MOTT MACDONALD

Development at West Kowloon Cultural District

Monthly Environmental Monitoring and Audit (EM&A) Report for Jun 2017

July 2017

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This Monthly EM&A Report has been reviewed and certified by the Environmental Team Leader (ETL) and verified by the Independent Environmental Checker (IEC).

Certified by:

Brian Tam
Environmental Team Leader (ETL)
West Kowloon Cultural District Authority

Date 13.7.2017

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Date 14 July 2017

Contents

Executive Summary

Mott MacDonald Hong Kong Limited (MMHK) was commissioned to undertake the Environmental Team (ET) services (including environmental monitoring and audit (EM&A)) for the construction of M+ Museum Main Works (Contract No.: CC/2015/3A/022) and Lyric Theatre Complex Foundation Works (Contract No.: CC/2015/3A/014) at West Kowloon Cultural District (WKCD) (The Project) as part of the WKCD development. The Project Proponent is the West Kowloon Cultural District Authority (WKCDA). The construction works and EM&A programme for M+ Museum and Lyric Theatre Complex commenced on 31 October 2015 and 1 March 2016 respectively.

The overall works for the WKCD fall under two separate categories of Designated Project (DP) of the Environmental Impact Assessment Ordinance (EIAO), namely an "engineering feasibility study of urban development projects with a study area covering more than 20 ha or involving a total population of more than 100 000" (Item 3 of Schedule 3) and "an underpass more than 100m in length under the built areas" (Item A.9, Part I, Schedule 2). An Environmental Permit No. EP-453/2013/B (EP) was issued with respect to the "Underpass Road and Austin Road Flyover Serving the West Kowloon Cultural District" which specifically includes the abovementioned category of DP under Item A.9, Part I, Schedule 2 of the EIAO.

This Monthly EM&A Report presents the monitoring works at both the main works of M+ Museum and foundation works of Lyric Theatre Complex conducted from 1 June to 30 June 2017.

Exceedance of Action and Limit Levels

There was no breach of Action or Limit levels for Air Quality (1-hour TSP and 24-hour TSP) and Noise in this reporting month.

Implementation of Mitigation Measures

Construction phase weekly site inspections were carried out on 1, 8, 15, 22 and 30 June 2017 for M+ Museum and 7, 14, 21 and 27 June 2017 for Lyric Theatre Complex to confirm the implementation measures undertaken by the Contractors in the reporting month The outcomes are presented in Section 4 and the status of implementation of mitigation measures in the site is shown in **Appendix J**.

Landscape and visual impact inspections were conducted as part of the abovementioned weekly site inspections during the reporting month. No adverse comment on landscape and visual aspects was made during these inspections.

EPD site inspection with Contractor was conducted on 23 June 2017 at M+ Museum. No malpractice was observed.

EPD site inspection with Contractor was conducted on 7 and 23 June 2017 at Lyric Theatre Complex. No adverse comments were received.

Record of Complaints

No environmental complaints were recorded in the reporting month.

Record of Notification of Summons and Successful Prosecutions

No notification of summons and successful prosecution were recorded in the reporting month.

Future Key Issues

The major site works at M+ Museum scheduled to be commissioned in the coming month include:

- Construction of 3/F, 2/F, 1M/F, 1/F, G/F, LG/F, B1 slab;
- Construction of column from B1 to LGF, LGF to GF, G/F to 1/F, 1/F to 1M/F, 1M/F to 2/F, 2/F to 3/F;
- Construction of mega truss;
- ABWF work at DCS;
- E&M work at B2/F and SPS;
- Construction of B1 slab and beam and Roof Beam and slab at ICP
- Sheet Pile Installation for seawater outfall pipe between Ch0+66 to Ch0+108
- Storm Drainage at Portion M45
- Sewerage work at Portion L08

The major site works at Lyric Theatre Complex scheduled to be commissioned in the coming month include:

- Pumping Test
- Preparation works for ELS

Potential environmental impacts due to the construction activities, including air quality, noise, water quality, waste, landscape and visual, will be monitored or reviewed. The recommended environmental mitigation measures shall be implemented on site and regular inspections as required will be carried out to ensure that the environmental conditions are acceptable.

1 Introduction

1.1 Background

Mott MacDonald Hong Kong Limited (MMHK) was commissioned to undertake the Environmental Team (ET) services (including environmental monitoring and audit (EM&A)) for the construction of M+ Museum Main Works (Contract No.: CC/2015/3A/022) and Lyric Theatre Complex Foundation Works (Contract No.: CC/2015/3A/014) at West Kowloon Cultural District (WKCD) (The Project) as part of the WKCD development. The Project Proponent is the West Kowloon Cultural District Authority (WKCDA). The construction works and EM&A programme for M+ Museum and Lyric Theatre Complex commenced on 31 October 2015 and 1 March 2016 respectively.

The overall works for the WKCD fall under two separate categories of Designated Project (DP) of the Environmental Impact Assessment Ordinance (EIAO), namely an "engineering feasibility study of urban development projects with a study area covering more than 20 ha or involving a total population of more than 100 000" (Item 3 of Schedule 3) and "an underpass more than 100m in length under the built areas" (Item A.9, Part I, Schedule 2). An Environmental Permit No. EP-453/2013/B (EP) was issued with respect to the "Underpass Road and Austin Road Flyover Serving the West Kowloon Cultural District" which specifically includes the abovementioned category of DP under Item A.9, Part I, Schedule 2 of the EIAO. The captioned projects include part of the abovementioned underpass road located within the site boundary also falls under this same category.

The M+ museum development aims to provide an iconic presence for the M+ museum, semi-transparent vertical plane, housing education facilities, a public restaurant and museum offices. At ground and lower levels, generous access will be provided to the park and other West Kowloon Cultural District facilities, alongside a public resource centre, theatres, retail and dining, and back-of-house functions.

The 1,200-seat Lyric Theatre Complex will be Hong Kong's first world-class facility for dance performances, including ballet, contemporary and Chinese dance forms. In the run up to the opening of further major performing arts venues in the WKCD, it will also be used for a wide variety of performing arts events including drama, opera and musical performances. The Lyric Theatre Complex will act as a platform for Hong Kong's leading arts organisations, and be a new major venue to show programmes from Asia and worldwide.

The Monthly EM&A Report is prepared in accordance with the Condition 3.4 of the Environmental Permit No. EP-453/2013/B. This Monthly EM&A Report presents the monitoring works at both the main works of M+ Museum and foundation works of Lyric Theatre Complex conducted from 1 June to 30 June 2017. The purpose of this report is to summarise the findings in the EM&A of the project over the reporting period.

1.2 Project Organisation

The organisation chart and lines of communication with respect to the on-site environmental management structure together with the contact information of the key personnel are shown in **Appendix A**.

1.3 Environmental Status in the Reporting Period

During the reporting period, construction works at M+ Museum undertaken include:

- Construction of 3/F, 2/F, 1M/F, 1/F, G/F, LG/F, B1 slab;

- Construction of column from B1 to LGF, LGF to GF, G/F to 1/F, 1/F to 1M/F, 1M/F to 2/F, 2/F to 3/F;
- Installation of mega truss;
- ABWF work at DCS;
- E&M work at B2/F and SPS;
- Construction of B1 slab and beam and Roof Beam and slab at ICP
- Sheet Pile Installation for seawater outfall pipe between Ch0+66 to Ch0+108
- Storm Drainage at Portion M45
- Sewerage work at Portion L08

During the reporting period, construction works at Lyric Theatre Complex undertaken include:

- Installation of Monitoring Instrumentation
- Pipe Pile Construction
- Pumping Test
- Pile Loading Test

The Construction Works Programmes of M+ Museum and Lyric Theatre Complex are provided in **Appendix B**. A layout plan of the Project is provided in **Figure 1**. Please refer to **Table 4.3** on the status of the environmental licenses.

1.4 Summary of EM&A Requirements

The EM&A programme requires environmental monitoring of air quality, noise, landscape and visual as specified in the approved EM&A Manual.

A summary of impact EM&A requirements is presented in **Table 1.1**.

Table 1.1: Summary of Impact EM&A Requirements

Parameters	Descriptions	Locations	Frequencies
Air Quality	24-Hour TSP	AM1 - International Commerce Centre	At least once every 6 days
	1-Hour TSP	AM1 - International Commerce Centre	At least 3 times every 6 days
	24-Hour TSP	AM2A – Austin Road West opposite to The Harbourside Tower 1	At least once every 6 days
	1-Hour TSP	AM2A – Austin Road West opposite to The Harbourside Tower 1	At least 3 times every 6 days
Noise	Leq, 30 minutes	NM1A- Podium level of The Harbourside Tower 1	Weekly
Landscape & Visual	Monitor implementation of proposed mitigation measures during the construction stage	As described in Table 9.1 and 9.2 of the EM&A Manual	Bi-weekly

Given that the Project covers only a small part of the whole WKCD area (i.e. M+ Museum, Lyric Theatre Complex and respective portions of underpass road), it was proposed that the EM&A programme for the Project should only require 1 noise monitoring station and 2 air quality monitoring stations located closest to the Project area. Currently, the works under the captioned project are confined in the western part of the WKCD site. Therefore, only the monitoring stations AM1, AM2 and NM1 were set up. Other monitoring locations are too far away (i.e. AM3 to AM5 and NM2 to NM5) are not included in this EM&A programme until the construction of the corresponding area commences.

The Harbourside management office formally rejected our proposal of setting up air quality and noise monitoring equipment on its premises at the podium level of Tower 1 (AM2/NM1) on 10 November 2015. Alternative noise monitoring location was identified at The Arch (NM2), however The Arch management office formally rejected our proposal of setting up noise monitoring equipment on its premises on 23 November 2015. Nevertheless, suitable air quality monitoring location at AM2 was

identified on the ground floor in front of The Harbourside Tower 1, which is at the same location as that of baseline monitoring for consistency. No management approval is required at the ground floor for conducting the air monitoring. However, the electricity supply at AM2 was suspended from 31 August 2016 and was no longer available. In order to have a more secure electricity supply, an alternative air monitoring location (AM2A) was identified at Austin Road West opposite to The Harbourside Tower 1, which is close to Lyric Theatre Complex site entrance. This alternative air monitoring location was approved by EPD on 28 September 2016. Noise monitoring at G/F of Harbourside will not be representative. Approval from the management office of the International Commerce Centre has been granted on 29 February 2016 for conducting noise monitoring at the alternative noise monitoring location identified at the podium floor (NM1A) which is free from screening to the construction activities. Therefore, 2 air quality monitoring stations and 1 noise impact monitoring station were confirmed for the impact monitoring.

The Environmental Quality Performance Limits for air quality and noise are shown in **Appendix C**.

The Event and Action Plan for air quality, construction noise. landscape and visual are shown in **Appendix D**.

The EM&A programme followed the recommended mitigation measures in the EM&A Manual. The EM&A requirements as well as the summary of implementation status of the environmental mitigation measures are provided in **Appendix J**.

2 Impact Monitoring Methodology

2.1 Introduction

For air quality and noise, the monitoring methodology, including the monitoring locations, monitoring equipment used, monitoring parameters, and frequency and duration etc., for air quality and noise are detailed in this Section. The environmental monitoring schedules for the reporting period and the tentative monitoring Schedule for the coming month are provided in **Appendix E**.

For landscape and audit impact, the relevant EM&A monitoring requirements and details are also presented in this Section.

2.2 Air Quality

2.2.1 Monitoring Parameters, Frequency and Duration

Table 2.1 summarizes the monitoring parameters, frequency and duration of the TSP monitoring.

Table 2.1: Air Quality Monitoring Parameters, Frequency and Duration

Parameter	Frequency	Duration
24-hour TSP	At least once in every six-days	24 hours
1-hour TSP	At least 3 times every six-days	60 minutes

2.2.2 Monitoring Locations

Currently, the works under the captioned project are confined in the western part of the WKCD site. Therefore, only the monitoring stations AM1 and AM2A were set up at the proposed locations in accordance with updated EM&A Manual. Location of the monitoring station is given in **Table 2.2** and shown in **Figure 1**.

Table 2.2: Air Quality Monitoring Station

Monitoring Station	Location
AM1	International Commerce Centre (ICC)
AM2A	Austin Road West opposite to The Harbourside Tower 1

2.2.3 Monitoring Equipment

Continuous 24-hour TSP air quality monitoring was conducted using High Volume Sampler (HVS) (Model: TE-5170) located at the designated monitoring station. The HVS meets all the requirements stated in of the EM&A Manual. Portable direct reading dust meter was used to carry out the 1-hour TSP monitoring. **Table 2.3** summarizes the equipment used in the impact air quality monitoring. Copies of the calibration certificates for the HVS, calibration kit and portable dust meters are attached in **Appendix F**.

Table 2.3: TSP Monitoring Equipment

Equipment	Model
24-hour TSP monitoring	
High Volume Sampler	TE-5170 (Serial No.: 0767 and 8919)
Calibrator	TE-5025A (Orifice I.D.: 2454)
1-hour TSP monitoring	
Portable direct reading dust meter	Sibata LD-3B (Serial No.: 276020 and 2Z6240)

Calibration of the HVS (five point calibration) using Calibration Kit was carried out every two months. The HVS calibration orifice will be calibrated annually. Calibration certificate of the TE-5025A Calibration Kit and the HVS are provided in **Appendix F**

The 1-hour TSP monitoring should be determined periodically (e.g. annually) by the HVS to check the validity and accuracy of the results measured by direct reading method.

2.2.4 Monitoring Methodology

24-hour TSP Monitoring

Installation

The HVS was installed at the site boundary. The following criteria were considered in the installation of the HVS.

- A horizontal platform with appropriate support to secure the sampler against gusty wind was provided.
- The distance between the HVS and any obstacles, such as buildings, was at least twice the height that the obstacle protrudes above the HVS.
- A minimum of 2 metres separation from walls, parapets and penthouse was required for rooftop sampler.
- A minimum of 2 metres separation from any supporting structure, measured horizontally was required.
- No furnace or incinerator flues or building vent were nearby.
- Airflow around the sampler was unrestricted.
- The sampler has been more than 20 metres from any drip line.
- Permission was obtained to set up the sampler and to obtain access to the monitoring station.
- A secured supply of electricity is needed to operate the sampler.

Preparation of Filter Papers

- Glass fibre filters were labelled and sufficient filters that were clean and without pinholes were selected.
- The filters used are specified to have a minimum collection efficiency of 99 percent for 0.3 µm (DOP) particles.
- All filters were equilibrated in the conditioning environment for 24 hours before weighing. The conditioning environment temperature was around 25 °C and not variable by more than ±3 °C with relative humidity (RH) < 50% and was not variable by more than ±5 %. A convenient working RH was 40%. All preparation of filters was done by Hong Kong Laboratory Accreditation Scheme (HOKLAS) accredited laboratory.

Field Monitoring Procedures

- The power supply was checked to ensure the HVS works properly.
- The filter holder and the area surrounding the filter were cleaned.
- The filter holder was removed by loosening the four bolts and a new filter, with stamped number upward, on a supporting screen was aligned carefully.
- The filter was properly aligned on the screen so that the gasket formed an airtight seal on the outer edges of the filter.
- The swing bolts were fastened to hold the filter holder down to the frame. The pressure applied should be sufficient to avoid air leakage at the edges.
- The shelter lid was closed and was secured with the aluminium strip.
- The HVS was warmed-up for about 5 minutes to establish run-temperature conditions.
- A new flow rate record sheet was set into the flow recorder.
- The flow rate of the HVS was checked and adjusted at around 1.3 m^3/min. The range specified in the EM&A Manual was between 0.6-1.7 m^3/min.

- The programmable timer was set for a sampling period of 24 hours, and the starting time, weather condition and the filter number were recorded.
- The initial elapsed time was recorded.
- At the end of sampling, the sampled filter was removed carefully and folded in half length so that only surfaces with collected particulate matter were in contact.
- It was then placed in a clean plastic envelope and sealed.
- All monitoring information was recorded on a standard data sheet.
- Filters were sent to a Hong Kong Laboratory Accreditation Scheme (HOKLAS) accredited laboratory for analysis.

Maintenance and Calibration

- The HVS and its accessories are maintained in good working condition, such as replacing motor brushes routinely and checking electrical wiring to ensure a continuous power supply.
- HVSs were calibrated upon installation and thereafter at bi-monthly intervals. The calibration kits were calibrated annually.
- Calibration records for HVS and calibration kit are shown in **Appendix F**.

1-hour TSP Monitoring

Field Monitoring

The measuring procedures of the 1-hour dust meter are in accordance with the Manufacturer's Instruction Manual as follows:

- Turn the power on.
- Close the air collecting opening cover.
- Push the "TIME SETTING" switch to [BG].
- Push "START/STOP" switch to perform background measurement for 6 seconds.
- Turn the knob at SENSI ADJ position to insert the light scattering plate.
- Leave the equipment for 1 minute upon "SPAN CHECK" is indicated in the display.
- Push "START/STOP" switch to perform automatic sensitivity adjustment. This measurement takes 1 minute.
- Pull out the knob and return it to MEASURE position.
- Setting time period of 1 hour for the 1-hour TSP measurement.
- Push "START/STOP" to start the 1-hour TSP measurement.
- Regular checking of the time period setting to ensure monitoring time of 1 hour.

Maintenance and Calibration

- The 1-hour dust meter would be checked at 3-month intervals and calibrated at 1-year intervals throughout all stages of the air quality monitoring.
- Calibration records for direct dust meters are shown in **Appendix F**.

Weather Condition

- Meteorological data extracted from Hong Kong Observatory for the reporting month is provided in **Appendix H**.

2.3 Noise

2.3.1 Monitoring Parameters, Frequency and Duration

Table 2.4 summarizes the monitoring parameters, frequency and duration of noise monitoring. The noise in A-weighted levels L_{eq}, L_{10} and L_{90} are recorded in a 30-minute interval between 0700 and 1900 hours.

Table 2.4: Noise Monitoring Parameters, Period and Frequency

Time Period	Parameters	Frequency
Daytime on normal weekdays (0700-1900 hours)	L_{eq}(30 min), L_{90}(30 min) & L_{10} (30 min)	Once every week

2.3.2 Monitoring Location

Currently, the works under the captioned project are confined in the western part of the WKCD site. Therefore, only the monitoring station NM1A was set up at the proposed location in accordance with updated EM&A Manual. Location of the monitoring station is given in **Table 2.5** and shown in **Figure 1**.

Table 2.5: Noise Monitoring Station

Monitoring Station	Location
NM1A	Podium floor of International Commerce Centre (ICC)

2.3.3 Monitoring Equipment

Integrating Sound Level Meter was used for noise monitoring. It was a Type 1 sound level meter capable of giving a continuous readout of the noise level readings including equivalent continuous sound pressure level (L_{Aeq}) and percentile sound pressure level (L_x). They comply with International Electrotechnical Commission Publications 651:1979 (Type 1) and 804:1985 (Type 1). **Table 2.6** summarizes the noise monitoring equipment model being used.

Table 2.6: Noise Monitoring Equipments

Monitoring Station	Equipment Model	
	Integrating Sound Level Meter	Calibrator
NM1A	Rion NL-18 (Serial No.00360030)	Rion NC-73 (Serial No.10486660)

2.3.4 Monitoring Methodology

Field Monitoring

- The microphone of the Sound Level Meter was set at least 1.2 m above the ground.
- Free Field measurement was made at the monitoring locations.
- The battery condition was checked to ensure the correct functioning of the meter.
- Parameters such as frequency weighting, the time weighting and the measurement time were set as follows:
  - frequency weighting: A
  - time weighting: Fast
  - time measurement: 30 minutes intervals (between 0700-1900 on normal weekdays)
- Prior to and after each noise measurement, the meter was calibrated using a Calibrator for 94 dB at 1 kHz. If the difference in the calibration level before and after measurement was more than 1 dB, the measurement would be considered invalid and has to be repeated after re-calibration or repair of the equipment.
- During the monitoring period, the L_{eq}, L_{10} and L_{90} were recorded. In addition, any site observations and noise sources were recorded on a standard record sheet.
- A correction of +3dB(A) was made to the free field measurements.

Maintenance and Calibration

- The microphone head of the sound level meter and calibrator is cleaned with soft cloth at quarterly intervals.

- The sound level meter and calibrator are sent to the supplier or HOKLAS laboratory to check and calibrate at yearly intervals.
- Calibration records are shown in **Appendix F**.

Weather Condition

- Meteorological data extracted from Hong Kong Observatory for the reporting month is provided in **Appendix H**.

2.4 Landscape and Visual

2.4.1 Monitoring Program

Table 2.7 details the monitoring program (as proposed in the WKCD EIA report) for landscape and visual impact during the construction phase.

Table 2.7: Monitoring Program for Landscape and Visual Impact during Construction Phase

Stage	Monitoring Task	Frequency	Report	Approval
Construction	Monitor implementation of proposed mitigation measures during the construction stage.	Bi-weekly	ET to report on Contractor's compliance	Counter-signed by IEC

During the landscape and visual impact monitoring, any changes in relation to the landscape and visual amenity should be monitored with reference to the baseline conditions of the site. In addition, mitigation measures were proposed in the WKCD EIA report to minimise the landscape and visual impacts during the construction phase. The proposed mitigation measures as shown in Table 9.1 and Table 9.2 of the EM&A Manual should be checked for proper implementation.

3 Monitoring Results

3.1 Impact Monitoring

Construction impact monitoring for air quality, noise and landscape and visual impact was undertaken in compliance with the EM&A Manual during the reporting month.

3.2 Air Quality Monitoring

3.2.1 1-hour TSP

Results of 1-hour TSP at the monitoring location AM1 and AM2A are summarised in **Table 3.1**. Graphical plots of the monitoring results are shown in **Appendix G**.

Table 3.1: Summary of 1-hour TSP monitoring results

Monitoring Station	Monitoring Date	Start Time	1-hour TSP (μg/m^3)			Range (μg/m^3)	Action Level (μg/m^3)	Limit Level (μg/m^3)
			1st Result	2nd Result	3rd Result			
AM1	01-Jun-17	10:48	44	47	50	38-85	273.7	500
	07-Jun-17	10:40	42	44	50			
	13-Jun-17	14:00	70	77	85			
	19-Jun-17	10:40	44	52	59			
	23-Jun-17	8:02	38	41	40			
	30-Jun-17	8:00	38	40	41			
AM2A	01-Jun-17	11:12	49	63	60	44-88	274.2	500
	07-Jun-17	10:52	51	62	48			
	13-Jun-17	14:12	72	88	86			
	19-Jun-17	10:52	46	52	49			
	23-Jun-17	8:14	51	49	50			
	30-Jun-17	8:12	46	52	44			

3.2.2 24-hour TSP

Results of 24-hour TSP at the monitoring location AM1 and AM2A are summarised in **Table 3.2**. Graphical plots of the monitoring results are shown in **Appendix G**.

Table 3.2: Summary of 24-hour TSP monitoring results

Monitoring Station	Monitoring Date	Start Time	Monitoring Results (μg/m3)	Range (μg/m3)	Action Level (μg/m3)	Limit Level (μg/m3)
AM1	01-Jun-17	11:00	40	35-45	143.6	260
	07-Jun-17	10:38	42			
	13-Jun-17	14:02	45			
	19-Jun-17	10:42	44			
	23-Jun-17	08:00	35			
	30-Jun-17	08:02	42			
AM2A	01-Jun-17	11:10	56	40-81	151.1	260
	07-Jun-17	10:50	81			
	13-Jun-17	14:14	48			

Monitoring Station	Monitoring Date	Start Time	Monitoring Results (µg/m3)	Range (µg/m3)	Action Level (µg/m3)	Limit Level (µg/m3)
	19-Jun-17	10:54	52			
	23-Jun-17	08:12	40			
	30-Jun-17	08:14	43			

No exceedance of 1-hour and 24-hour TSP (Action or Limit Level) was recorded in the reporting period.

3.3 Noise Monitoring

The construction noise monitoring results at the monitoring location NM1A are summarized in **Table 3.3**. Graphical plots of the monitoring data and the station set-up of a free-field measurement are shown in **Appendix G**.

Table 3.3: Summary of noise monitoring results during normal weekdays

Monitoring Date	Start Time	End Time	Leq (30 mins), dB(A)	Limit Level for Leq (dB(A))
01-Jun-17	14:00	14:30	69	75
07-Jun-17	14:00	14:30	69	
13-Jun-17	16:25	16:55	69	
19-Jun-17	14:00	14:30	69	
30-Jun-17	10:30	11:00	70	

Remarks:
+3dB (A) correction was applied to free-field measurement.

No exceedance (Action/Limit Level) of construction noise was recorded in the reporting period as no noise related environmental complaint was received during the reporting period and noise levels recorded during the monitoring period were below 75 dB(A).

Construction works were extended to holidays on 4 and 25 June 2017. In accordance with the EM&A Manual, additional monitoring was carried out during the restricted hours on 4 and 25 June 2017. The L_{eq} (5 mins) is in the range of 67-70 dB(A). Major noise source includes traffic. Construction Noise Permits for the works carried out during restricted hours were obtained and listed in **Table 4.3**.

3.4 Landscape and Visual Impact

Landscape and visual impact inspections were conducted as part of the weekly site inspections on 8 and 22 June 2017 for M+ Museum and 7 and 21 June 2017 for Lyric Theatre Complex during the reporting month. As reviewed by the registered Landscape Architect, no adverse comment on landscape and visual aspects was made during these inspections.

The landscape and visual mitigation measures were implemented during the reporting period. The summary of implementation status of the environmental mitigation measures are provided in **Appendix J**.

4 Environmental Site Inspection

4.1 Site Inspection

4.1.1 M+ Museum

Construction phase weekly site inspections were carried out on 1, 8, 15, 22 and 30 June 2017. The joint site inspection with IEC, ET, ER and Contractor was held on 15 June 2017. All observations have been recorded in the site inspection checklist and passed to the Contractor together with the appropriate recommended mitigation measures where necessary. The key observations from the site inspections and associated recommendations are summarized in **Table 4.1**.

EPD site inspection with Contractor was conducted on 23 June 2017. The seafront and wastewater treatment facilities were inspected and no malpractice was observed.

Table 4.1: Summary of Site Inspections and Recommendations for M+ Museum

Inspection Date	Parameter	Observation / Recommendation	Contactor's Responses / Action(s) Undertaken	Close-out (Date)
25 May 2017	Air quality	Haul road was observed dry and dusty. The contractor was reminded to enhance water spraying to reduce dust impact.	The contractor has enhanced water spraying at the haul road.	1 Jun 2017
25 May 2017	Air quality	Cement bags were found without any cover at B2. The contractor was reminded to cover the cement bags with impervious sheeting.	The contractor has removed the previously observed uncovered cement bags.	1 Jun 2017
25 May 2017	Waste management	Construction waste/ general refuse was observed accumulated at B2. The contractor was reminded to remove the construction waste/ refuse.	The contractor has removed the construction waste at B2.	1 Jun 2017
1 Jun 2017	Air quality	Cements bags were found uncovered at B2. The contractor was reminded to cover the cement bags with impervious sheeting.	The contractor has either removed the previously uncovered cement bags or covered them with impervious sheeting.	8 Jun 2017
1 Jun 2017	Water quality	The contractor was reminded to provide sand bags at the bund near the seafront in case of heavy rainfall.	On 8 June, the bund was not enhanced with sand bags at seafront. The contractor was reminded to follow this as soon as possible. On 15 Jun, the contractor has maintained the bund near the seafront.	15 Jun 2017
1 Jun 2017	Waste management	Construction waste was found accumulated at B2. The contractor was reminded to remove the construction waste.	The contractor has removed the construction waste at B2.	8 Jun 2017
1 Jun 2017	Water quality	Effluent quality at ICP sampling point and M+ wetsep was checked. They were all visually clear when comparing to standard solution and within proper pH range.	N/A	N/A
1 Jun 2017	Waste management	Oil stain was found on the ground near DCS. The contractor was	The contractor has rectified the oil stain near DCS.	8 Jun 2017

Inspection Date	Parameter	Observation / Recommendation	Contactor's Responses / Action(s) Undertaken	Close-out (Date)
		reminded to rectify it and treat it as chemical waste.		
8 Jun 2017	Air quality	Haul road was observed dry and dusty. The contractor was reminded to enhance water spraying to reduce dust impact.	The contractor has enhanced water spraying at the haul road.	15 Jun 2017
8 Jun 2017	Waste management	Construction waste was found accumulated at B2. The contractor was reminded to remove them.	The contractor has removed the accumulated construction waste at B2.	15 Jun 2017
8 Jun 2017	Waste management	Chemicals were found without drip trays. The contractor was reminded to provide drip trays for the chemicals or remove them off site.	The contractor has removed the chemicals previously observed without drip trays.	15 Jun 2017
8 Jun 2017	Water quality	Effluent quality at ICP sampling point was checked. They were all visually clear when comparing to standard solution and within proper pH range.	N/A	N/A
8 Jun 2017	Air quality	Cement bags were found uncovered at B2. The contractor was reminded to cover them with impervious sheeting to reduce dust impact.	The contractor has covered the cement bags at B2 with impervious sheeting.	15 Jun 2017
15 Jun 2017	Air quality	Haul road was observed dry and dusty. The contractor was reminded to enhance water spraying to reduce dust impact.	On 22 June, the haul road was observed wet near Gate 3, but the haul road near DCS was still observed dry and dusty. The contractor was reminded to further enhance water spraying. On 23 June, the contractor has enhanced water spraying at haul road near DCS.	23 Jun 2017
15 Jun 2017	Water quality	Stagnant water was found near the seafront. The contractor was reminded to provide sufficient pumps to remove the stagnant water and enhance the bunding near the seafront.	On 22 Jun, the stagnant water near seafront was still observed. The contractor has provided pumps and bund at the seafront near M38 area. However, the contractor was reminded to further enhance the bund at seafront near DCS and remove stagnant water on the ground. On 30 Jun, the contractor has removed the stagnant water on the ground and enhanced the bund at seafront near DCS	30 Jun 2017
15 Jun 2017	Water quality	Effluent quality at ICP sampling point was checked. They were all visually clear when comparing to standard solution and within proper pH range.	N/A	N/A
22 Jun 2017	Waste management	Oil mixture was found in the drip trays. The contractor was reminded to clean the drip tray and treat the oil mixture as chemical waste.	The contractor has cleaned the drip tray and the other tray was removed offsite.	23 Jun 2017
22 Jun 2017	Air quality	Cement bags were found without proper cover at B2. The contractor was reminded to cover them with impervious sheeting to reduce dust impact.	The contractor has covered the cement bags at B2 with impervious sheeting.	23 Jun 2017
22 Jun 2017	Waste	Construction waste was found	The contractor has removed the	23 Jun 2017

Inspection Date	Parameter	Observation / Recommendation	Contactor's Responses / Action(s) Undertaken	Close-out (Date)
	management	accumulated near Gate 3. The contractor was reminded to remove the construction waste regularly.	construction waste near Gate 3.	
22 Jun 2017	Water quality	Effluent quality at ICP sampling point was checked. They were visually clear when comparing with standard solution and within proper pH range.	N/A	N/A
22 Jun 2017	Waste management	Oil drums were found without drip trays. The contractor was reminded to provide drip trays for the oil drums.	On 30 Jun, the contractor has removed part of the oil drums. However, two oil drums were still observed without drip rays. The contractor was reminded to remove them offsite or provide drip trays. Follow-up status will be provided in the next reporting month	On-going
30 Jun 2017	Water quality	The contractor was reminded to provide pits and 4" pumps near the seafront.	Follow-up status will be provided in the next reporting month	On-going
30 Jun 2017	Water quality	As requested by EPD, the contractor is required to further enhance the bund at the seafront as it is considered not high enough. According to site observation, the contractor has not enhanced the bund yet. The contractor was reminded to provide a higher bund near the seafront.	Follow-up status will be provided in the next reporting month	On-going
30 Jun 2017	Water quality	Effluent quality at ICP sampling point was checked. They were all visually clear when comparing with standard solution and with proper pH range.	N/A	N/A
30 Jun 2017	Waste management	Construction waste was observed at B2. The contractor was reminded to remove the waste regularly.	Follow-up status will be provided in the next reporting month	On-going
30 Jun 2017	Air quality	The haul road at DCS was observed dry and dusty. The contractor was reminded to enhance water spraying to reduce dust impact.	Follow-up status will be provided in the next reporting month	On-going
30 Jun 2017	Waste management	Refuse was found on G/F of RDE. The contractor was reminded to remove them and provide more rubbish bins.	Follow-up status will be provided in the next reporting month	On-going
30 Jun 2017	Air quality	Cement bags at B2 were observed without proper cover. The contractor was reminded to cover them with impervious sheeting.	Follow-up status will be provided in the next reporting month	On-going
30 Jun 2017	Noise	A construction blower was found without proper cover. The contractor was reminded to maintain it properly to reduce the noise impact.	Follow-up status will be provided in the next reporting month	On-going

4.1.2 Lyric Theatre Complex

Construction phase weekly site inspections were carried out on 7, 14, 21 and 27 June 2017. The joint site inspection with IEC, ET, ER and Contractor was held on 21 June 2017. All observations have been recorded in the site inspection checklist and passed to the Contractor together with the

appropriate recommended mitigation measures where necessary. The key observations from the site inspections and associated recommendations are summarized in **Table 4.2**.

EPD site inspection was conducted on 7 and 23 June 2017. On 7 June 2017, EPD conducted a follow-up inspection to check the submitted investigation report for the muddy water incident on 24 May 2017. They inspected and took photos of the site drainage system and seafront area. On 23 June 2017, EPD conducted a general inspection and took photos at seafront area. No adverse comments were received during both inspections.

Table 4.2: Summary of Site Inspections and Recommendations for Lyric Theatre Complex

Inspection Date	Parameter	Observation / Recommendation	Contactor's Responses / Action(s) Undertaken	Close-out (Date)
31 May 2017	Air quality	Dry ground was observed at Area L04. The contractor was reminded to increase water spraying frequency to reduce dust impact.	Regular spraying of water and proper cover for dust suppression were conducted.	5 Jun 2017
31 May 2017	Water quality	Suspended solid was observed at wetsep No.2. The contractor was reminded to clear the suspended solid in order to keep the quality of discharge water.	Suspended solid cleared and good quality of discharge being maintained	5 Jun 2017
7 Jun 2017	Air quality	Haul road was observed dry near the car park. The Contractor was reminded to increase water spraying frequency in order to avoid dust impact.	Regular spraying of water on the concerned haul road was conducted.	10 Jun 2017
14 Jun 2017	Waste management	The Contractor was reminded to provide suitable bunded area with drip tray for storage of chemical containers.	Suitable bunded area was provided and the storage tank was plugged already.	19 Jun 2017
14 Jun 2017	Water quality	Turbid water was observed at wetsep No.2. The Contractor was reminded to clean up the sludge in order to keep good quality of discharge water.	Sludge was cleaned and discharge was kept in good quality.	19 Jun 2017
21 Jun 2017	Waste management	Unplugged drip trays and leakage of stagnant water was observed in works area. The contractor was reminded to check the drip trays and plugged them properly to stop the leakage.	The drip trays were checked and plugged properly.	26 Jun 2017
27 Jun 2017	Waste management	Some drip trays were still unplugged in works area. The contractor was reminded to check the drip trays and plugged them properly to stop the stagnant water leakage.	Follow-up status will be provided in the next reporting month	On-going

4.2 Advice on the Solid and Liquid Waste Management Status

The Contractors have been registered as a chemical waste producer for the Project. Construction and demolition (C&D) material sorting will be carried out on site. A sufficient number of receptacles were available for general refuse collection.

4.2.1 M+ Museum

As advised by the Contractor, 40.78 tonnes, 119.16 tonnes and 291.63 tonnes of inert C&D material were disposed of as public fill to Chai Wan Public Fill Barging Point, Tuen Mun Area 38 and Tseung Kwan O Area 137 Public Fill respectively, while 98.7 tonnes of general refuse was disposed of at SENT landfill. 58.2 tonnes of metals[1], 1.4 tonnes of paper/cardboard packaging, 0 tonne of plastic and

[1] Since some metal generation amounts are still outstanding at the time of this report submission, the actual total amount of metals generated in June 2017 will be updated in the Appendix I of the Monthly EM&A Report for the next reporting month.

350.0 tonnes of timber were collected by recycling contractors in the reporting month. 0 tonne of inert C&D materials was reused on site. 0 tonne of inert C&D materials were reused in other projects and 198.4 tonnes of inert C&D materials were disposed to sorting facility. 0 tonne of chemical waste was collected by licensed contractors in the reporting period.

The actual amounts of different types of waste generated by the activities of construction works at M+ Museum in the reporting month are shown in **Appendix I**.

4.2.2 Lyric Theatre Complex

As advised by the Contractor, 129.72 tonnes of inert C&D material were disposed of as public fill to Tseung Kwan O Area 137, while 7.6 tonnes of general refuse was disposed of at SENT landfill. 0 tonne of metals, 0 tonne of paper/cardboard packaging, 0 tonne of plastic and 0 tonne of timber were collected by recycling contractors in the reporting month. 0 tonne of inert C&D materials was reused on site. 341.0 tonnes of inert C&D materials was reused in other projects and 5.3 tonnes of inert C&D materials were disposed to sorting facility. 0 tonne of chemical waste was collected by licensed contractors in the reporting period.

The actual amounts of different types of waste generated by the activities of construction works at Lyric Theatre Complex in the reporting month are shown in **Appendix I**.

4.3 Status of Environmental Licenses and Permits

The environmental permits, licenses, and/or notifications on environmental protection for this Project which were valid during the period are summarised in **Table 4.3 and Table 4.4**.

4.3.1 M+ Museum

Table 4.3: Status of Environmental Submissions, Licenses and Permits for M+ Museum

Permit / License No. / Notification / Reference No.	Valid Period		Status	Remarks
	From	To		
Chemical Waste Producer Registration				
5213-217-H2913-45	05-Nov-15	--	Valid	--
Billing Account Construction Waste Disposal				
7023393	13-Oct-15	--	Account Active	--
Construction Noise Permit				
GW-RE0348-17	4-May 17	3-Nov-17	Valid	
Wastewater Discharge License				
WT00023633-2016	4-Mar-16	31-Mar-21	Valid	--
Notification under Air Pollution Control (Construction Dust) Regulation				
394083	7-Oct-15	--	Notified	--

4.3.2 Lyric Theatre Complex

Table 4.4: Status of Environmental Submissions, Licenses and Permits for Lyric Theatre Complex

Permit / License No. / Notification / Reference No.	Valid Period		Status	Remarks
	From	To		
Chemical Waste Producer Registration				
5213-217-G2347-39	17-Feb-16	--	Valid	--
Billing Account Construction Waste Disposal				

Permit / License	Valid Period		Status	Remarks
7024189	25-Jan-16	--	Account Active	--
Construction Noise Permit				
GW-RE0214-17	20-Mar-17	19-Sep-17	Valid	
Wastewater Discharge License				
WT00023648-2016	9-Mar-16	31-Mar-21	Valid	--
Notification under Air Pollution Control (Construction Dust) Regulation				
398075	18-Jan-16	--	Notified	--

4.4 Recommended Mitigation Measures

The EM&A programme followed the recommended mitigation measures in the EM&A Manual. The EM&A requirements as well as the summary of implementation status of the environmental mitigation measures are provided in **Appendix J**. In particular, the following mitigation measures were brought to attention during the site inspections:

4.4.1 M+ Museum

Chemical and Waste Management

- All chemical drum/ containers stored on site should be provided with drip trays.
- Any oil stain found on the ground should be removed and treat it as chemical waste.
- Construction waste/ general refuse generated on site should be regularly removed and sufficient rubbish bins should be provided.
- Drip trays should be regularly cleaned up to avoid accumulation of chemical waste.

Air Quality

- Enhance water spraying for haul roads to reduce dust impact.
- Maintain high standard of housekeeping to prevent emission of fugitive dust.
- Cement bags should be well covered by impervious sheeting to reduce dust impact.

Water Quality

- Preventive measures, such as earth bund, pumps, sand bags, storage pits, should be in place near the seafront area to prevent overflow of any site runoff into the sea in case of rainstorms.
- Stagnant water on site, especially near the seafront should be regularly removed.

Noise

- All machinery should be properly maintained to reduce noise impact.

4.4.2 Lyric Theatre Complex

Chemical and Waste Management

- All chemical drum/ containers should be stored in bunded area/ drip trays.
- Drip trays should be properly plugged to prevent chemical waste leakage.

Air Quality

- Enhance water spraying for haul roads to reduce dust impact.

Water Quality

- Wetsep units should be regularly checked and maintained to ensure proper function to treat wastewater or runoff before discharge.

5 Compliance with Environmental Permit

The status of the required submission under the EP during the reporting period is summarized in **Table 5.1**.

Table 5.1: Status of Submissions under the Environmental Permit

EP Condition	Submission	Submission Date
Condition 3.4	Monthly EM&A Report for May 2017	14 June 2017

6 Report in Non-compliance, Complaints, Notification of Summons and Successful Prosecutions

6.1 Record on Non-compliance of Action and Limit Levels

There was no breach of Action or Limit Levels for Air Quality and Noise monitoring in the reporting month.

6.2 Record on Environmental Complaints Received

No environmental complaints were recorded in the reporting month. The cumulative statistics on complaints were provided in **Appendix K**.

6.3 Record on Notifications of Summons and Successful Prosecution

No notifications of summons or successful prosecution were received this month. The cumulative statistics on notifications of summons and successful prosecutions were provided in **Appendix K**.

7 Future Key Issues

7.1 Construction Works for the Coming Month(s)

7.1.1 M+ Museum

The major site works scheduled to be commissioned in the coming month include:

- Construction of 3/F, 2/F, 1M/F, 1/F, G/F, LG/F, B1 slab;
- Construction of column from B1 to LGF, LGF to GF, G/F to 1/F, 1/F to 1M/F, 1M/F to 2/F, 2/F to 3/F;
- Construction of mega struss;
- ABWF work at DCS;
- E&M work at B2/F and SPS;
- Construction of B1 slab and beam and Roof Beam and slab at ICP
- Sheet Pile Installation for seawater outfall pipe between Ch0+66 to Ch0+108
- Storm Drainage at Portion M45
- Sewerage work at Portion L08

7.1.2 Lyric Theatre Complex

The major site works scheduled to be commissioned in the coming month include:

- Pumping Test
- Preparation works for ELS

7.2 Key Issues for the Coming Month

7.2.1 M+ Museum

Key issues to be considered in the coming month include:

- Generation of dust from construction works;
- Noise impact from operating equipment and machinery on-site;
- Generation of site surface runoffs and wastewater from activities on-site;
- Management of stockpiles and slopes, particularly on rainy days;
- Sorting, recycling, storage and disposal of general refuse and construction waste; and
- Management of chemicals and avoidance of oil spillage on-site.

7.2.2 Lyric Theatre Complex

Key issues to be considered in the coming month include:

- Generation of dust from construction works;
- Noise impact from operating equipment and machinery on-site;
- Generation of site surface runoffs and wastewater from activities on-site;
- Management of stockpiles and slopes, particularly on rainy days;
- Sorting, recycling, storage and disposal of general refuse and construction waste; and
- Management of chemicals and avoidance of oil spillage on-site.

7.3 Monitoring Schedule for the Coming Month

The environmental site inspection and environmental monitoring will be continued in the coming month. Impact monitoring for air quality and noise in accordance with the approved EM&A Manual has commenced since 31 October 2015 and 5 March 2016 respectively. The tentative monitoring schedule for the coming month is shown in the **Appendix E**.

8 Conclusions and Recommendations

8.1 Conclusions

The EM&A programme as recommended in the EM&A Manual has been undertaken since the construction of M+ Museum main works commenced on 31 October 2015, and the construction of Lyric Theatre Complex foundation works commenced on 1 March 2016.

Monitoring of air quality and noise with respect to the Projects is underway. In particular, the 1-hour TSP, 24-hour TSP, noise level (as Leq, 30 minutes) under monitoring have been checked against established Action and Limit levels. There was no breach of Action and Limit Levels for 1-hour TSP, 24-hour TSP and noise in the reporting month.

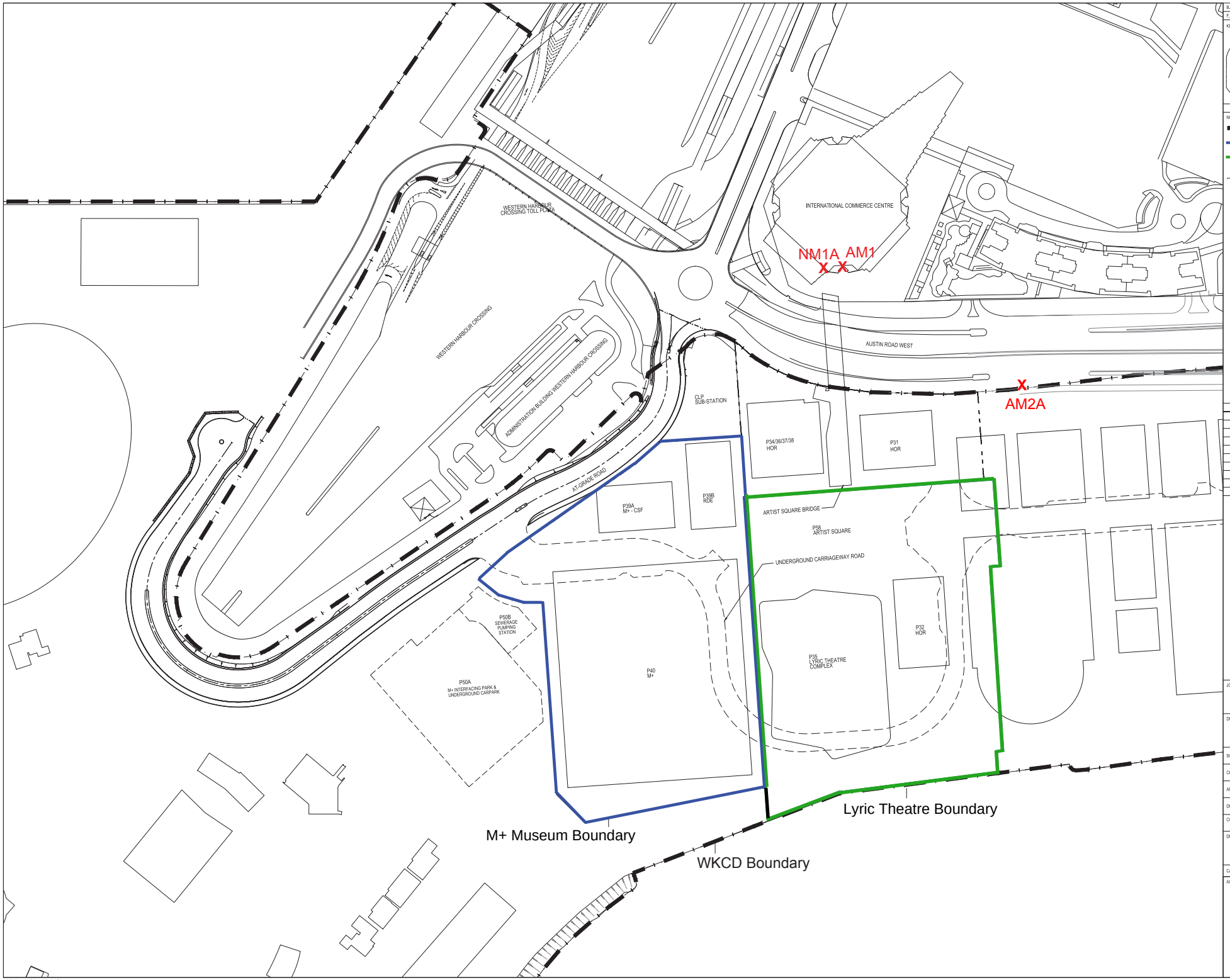
No environmental complaints were recorded in the reporting month. No notifications of summons or successful prosecution were received during the reporting month.

Weekly construction phase site inspections and bi-weekly landscape and visual impact inspections were conducted during the reporting month as required. It was observed that the Contractors had implemented all possible and feasible mitigation measures to mitigate the potential environmental impacts during construction phase works.

8.2 Recommendations

Potential environmental impacts due to the construction activities, including air quality, noise, water quality, waste, landscape and visual, will be monitored or reviewed. The recommended environmental mitigation measures shall be implemented on site and regular inspections as required will be carried out to ensure that the environmental conditions are acceptable.

Figure 1 Site Layout Plan and Monitoring Stations



B.D. REF:

F.S.D. REF:

KEY PLAN

KEY PLAN

NOTES:

WKCD BOUNDARY

M+ MUSEUM BOUNDARY

LYRIC THEATRE BOUNDARY

BOUNDARY OF UNDERPASS ROAD SERVING THE PLANNED WKCD

X CONSTRUCTION AIR/NOISE MONITORING STATION

REV.	DATE	DESCRIPTION	INITIAL

JOB TITLE: **M+ MUSEUM FOR VISUAL CULTURE (MAIN CONTRACT WORKS) & LYRIC THEATRE COMPLEX**

DRAWING TITLE: **PROPOSED LOCATIONS OF CONSTRUCTION AIR/NOISE MONITORING STATIONS**

SCALE	1:100	PRINTED	A1
CHECKED		DATE	
APPROVED		DATE	
DRAWN	TY	DATE	16-10-2015

CONTRACT NO.

DRAWING NO. **FIGURE 1** REV. XA

CAD REF NAME: XXXXX-AUT-PMS-DWG-P00-L000-0000-XXX.dwg

AUTHORITY

westKowloon 西九文化區

A1 (841mm x 594mm) Sheet Size

Appendices

A. Project Organisation

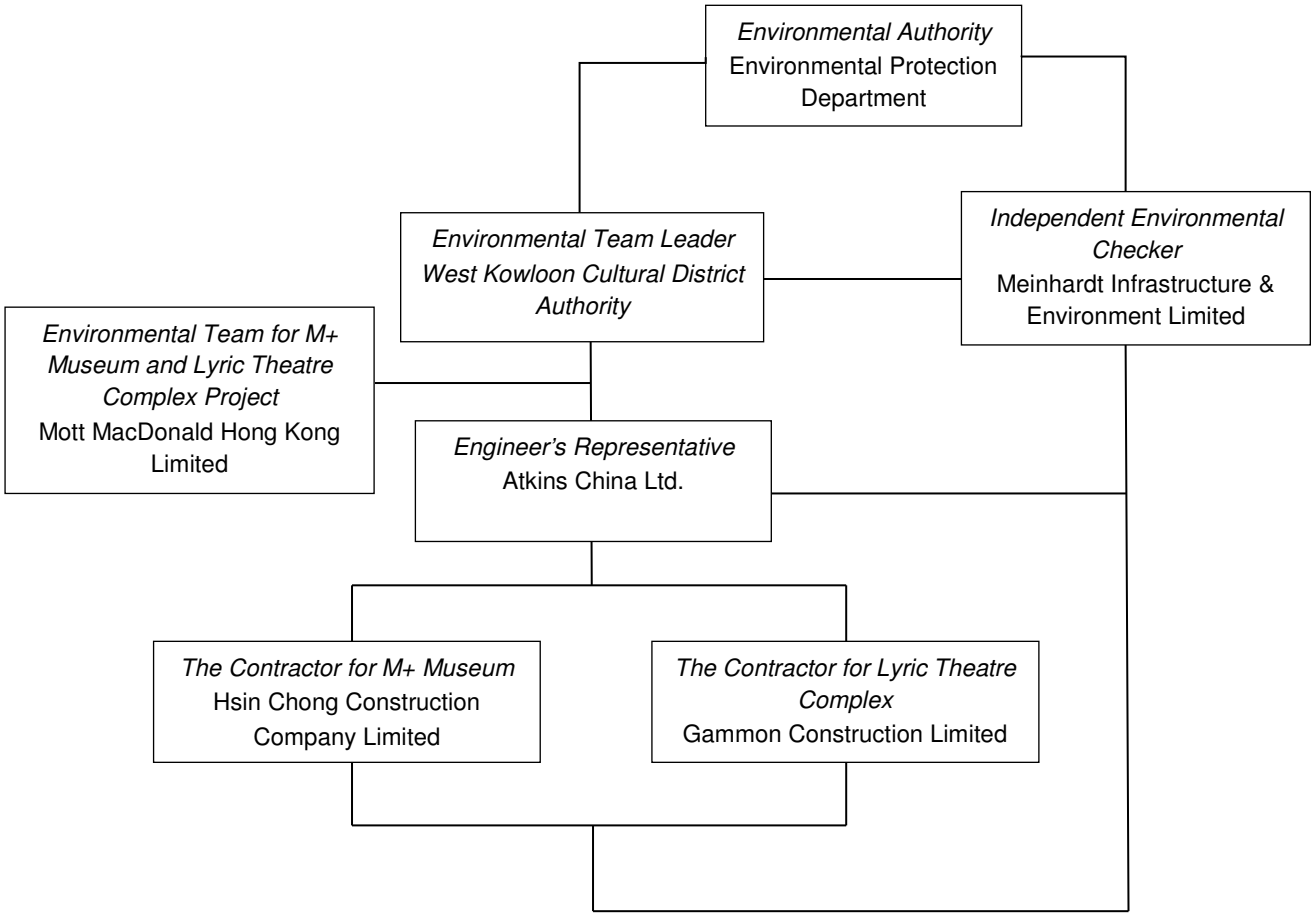


Table A-1: Contact information

Company Name	Role	Name	Telephone
Atkins China Ltd.	Resident Engineer	Mr. Benny Ip	9379 5614
Meinhardt Infrastructure & Environment Limited	Independent Environmental Checker	Mr. Fredrick Leong	2859 1739
Hsin Chong Construction Company Limited	Environmental Manager	Mr. Leo Chow	9266 6855
Gammon Construction Limited	Environmental Manager	Ms. Michelle Tang	9267 8866
Mott MacDonald Hong Kong Ltd.	Contractor's Environmental Team Leader	Mr Brandon Wong	2828 5875
West Kowloon Cultural District Authority	Senior Environmental Specialist	Mr. Brian Tam	2200 0059

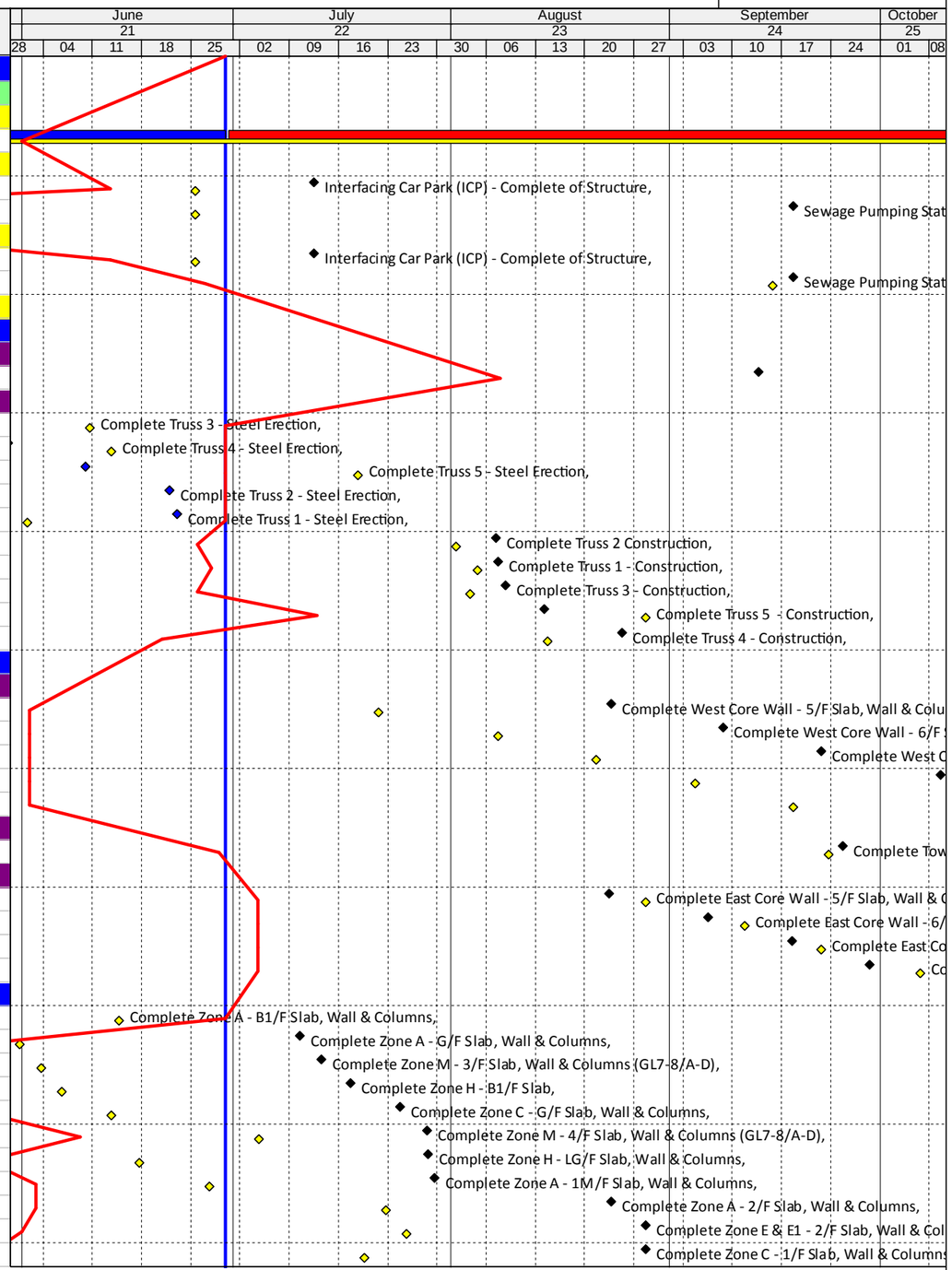
B. Tentative Construction Programme

M+ Museum

Data Date: 30-Jun-17
Layout Name: 01) CMWP - 3MRP (Template)
File Name: Three Months Rolling Programme 3MRP - Mth21 (30 June 2017)

Three Months Rolling Programme (3MRP) - Mth 21 - 30 June 2017

Activity ID	Activity Name	CMWP Dur.	CMWP - R0.D5 Start	CMWP -R0.D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	Comments / Mitigating Measures
Three Months Rolling Programme 3MRP - Mth21 (30 June 2017)										
M+										
Contract Dates										
CD01	Contract Period (1218 days)	800	17-Dec-16	24-Feb-19	17-Dec-16	25-Mar-19	24.38%	22.87%	-29	
Contract Key Dates										
CKD07	Interfacing Car Park (ICP) - Complete of Structure	0		25-Jun-17		12-Jul-17*	100%	0%	-16	
CKD01	Sewage Pumping Station (SPS) - Practical Completion for	0		25-Jun-17		18-Sep-17*	100%	0%	-85	
Forecast Completion Dates										
KD07	Interfacing Car Park (ICP) - Complete of Structure	0		25-Jun-17		12-Jul-17*	100%	0%	-16	
KD01	Sewage Pumping Station (SPS) - Practical Completion for	0		15-Sep-17		18-Sep-17*	0%	0%	-3	
Critical Key Dates										
Critical Key Dates - Mega Truss Works										
Critical Key Dates - Removal of Falsework										
A18440	Complete Removal of T3 falseworks	0		01-Nov-17		13-Sep-17	0%	0%	39	
Critical Key Dates - Mega Truss Erection & Construction										
A13130	Complete Truss 3 - Steel Erection	0		10-Jun-17		18-May-17 A	100%	100%	20	
A15500	Complete Truss 4 - Steel Erection	0		13-Jun-17		30-May-17 A	100%	100%	12	
A50580	Complete Truss 5 - Steel Erection	0		18-Jul-17		10-Jun-17 A	0%	100%	32	
A46675	Complete Truss 2 - Steel Erection	0		26-May-17		22-Jun-17 A	100%	100%	-21	
A40518	Complete Truss 1 - Steel Erection	0		01-Jun-17		23-Jun-17 A	100%	100%	-18	
A46720	Complete Truss 2 Construction	0		01-Aug-17		07-Aug-17	0%	0%	-4	
A40525	Complete Truss 1 - Construction	0		04-Aug-17		07-Aug-17	0%	0%	-2	
A13200	Complete Truss 3 - Construction	0		03-Aug-17		08-Aug-17	0%	0%	-4	
A50600	Complete Truss 5 - Construction	0		28-Aug-17		14-Aug-17	0%	0%	13	
A15520	Complete Truss 4 - Construction	0		14-Aug-17		25-Aug-17	0%	0%	-9	
Critical Key Dates - M+ Tower Structure RC Works										
Critical Key Dates - M+ Tower Structure Works - West Core										
A12770	Complete West Core Wall - 5/F Slab, Wall & Column (Gl	0		21-Jul-17		23-Aug-17	0%	0%	-28	
A12780	Complete West Core Wall - 6/F Slab, Wall & Column (Gl	0		07-Aug-17		08-Sep-17	0%	0%	-28	
A12790	Complete West Core Wall - 7/F Slab, Wall & Column (Gl	0		21-Aug-17		22-Sep-17	0%	0%	-28	
A12800	Complete West Core Wall - 8/F Slab, Wall & Column (Gl	0		04-Sep-17		09-Oct-17	0%	0%	-28	
A12810	Complete West Core Wall - 9/F Slab, Wall & Column (Gl	0		18-Sep-17		23-Oct-17	0%	0%	-28	
Critical Key Dates - M+ Tower Structure Works - Tower										
A13070	Complete Tower Structure - 5/F Slab, Wall & Column (G	0		23-Sep-17		25-Sep-17	0%	0%	-1	
Critical Key Dates - M+ Tower Structure Works - East Core										
A12920	Complete East Core Wall - 5/F Slab, Wall & Column (GL	0		28-Aug-17		23-Aug-17	0%	0%	5	
A12930	Complete East Core Wall - 6/F Slab, Wall & Column (GL	0		11-Sep-17		06-Sep-17	0%	0%	5	
A12940	Complete East Core Wall - 7/F Slab, Wall & Column (GL	0		22-Sep-17		18-Sep-17	0%	0%	5	
A12950	Complete East Core Wall - 8/F Slab, Wall & Column (GL	0		06-Oct-17		29-Sep-17	0%	0%	5	
Critical Key Dates - Podium Structure RC Works										
A10970	Complete Zone A - B1/F Slab, Wall & Columns	0		14-Jun-17		07-Jan-17 A	100%	100%	126	
A11110	Complete Zone A - G/F Slab, Wall & Columns	0		31-May-17		10-Jul-17	100%	0%	-33	
A11920	Complete Zone M - 3/F Slab, Wall & Columns (GL7-8/A-	0		03-Jun-17		13-Jul-17	100%	0%	-33	
A11810	Complete Zone H - B1/F Slab	0		06-Jun-17		17-Jul-17	100%	0%	-34	
A12010	Complete Zone C - G/F Slab, Wall & Columns	0		13-Jun-17		24-Jul-17	100%	0%	-34	
A11930	Complete Zone M - 4/F Slab, Wall & Columns (GL7-8/A-	0		04-Jul-17		28-Jul-17	0%	0%	-21	
A11820	Complete Zone H - LG/F Slab, Wall & Columns	0		17-Jun-17		28-Jul-17	100%	0%	-34	
A11120	Complete Zone A - 1M/F Slab, Wall & Columns	0		27-Jun-17		29-Jul-17	100%	0%	-27	
A11125	Complete Zone A - 2/F Slab, Wall & Columns	0		22-Jul-17		23-Aug-17	0%	0%	-27	
A12500	Complete Zone E & E1 - 2/F Slab, Wall & Column (GL 12-	0		25-Jul-17		28-Aug-17	0%	0%	-29	
A12020	Complete Zone C - 1/F Slab, Wall & Columns	0		19-Jul-17		28-Aug-17	0%	0%	-34	



Remaining Level of Effort
Actual Level of Effort
Milestone
Critical Milestone
Actual Work
Remaining Work
Critical Remaining Work
Actual Milestone
Project Baseline
Project LoE Baseline
Baseline Milestone

West Kowloon Cultural District Authority

M+ Contractor's Main Works Programme CMWP - (Rev. 0 - Draft 5)

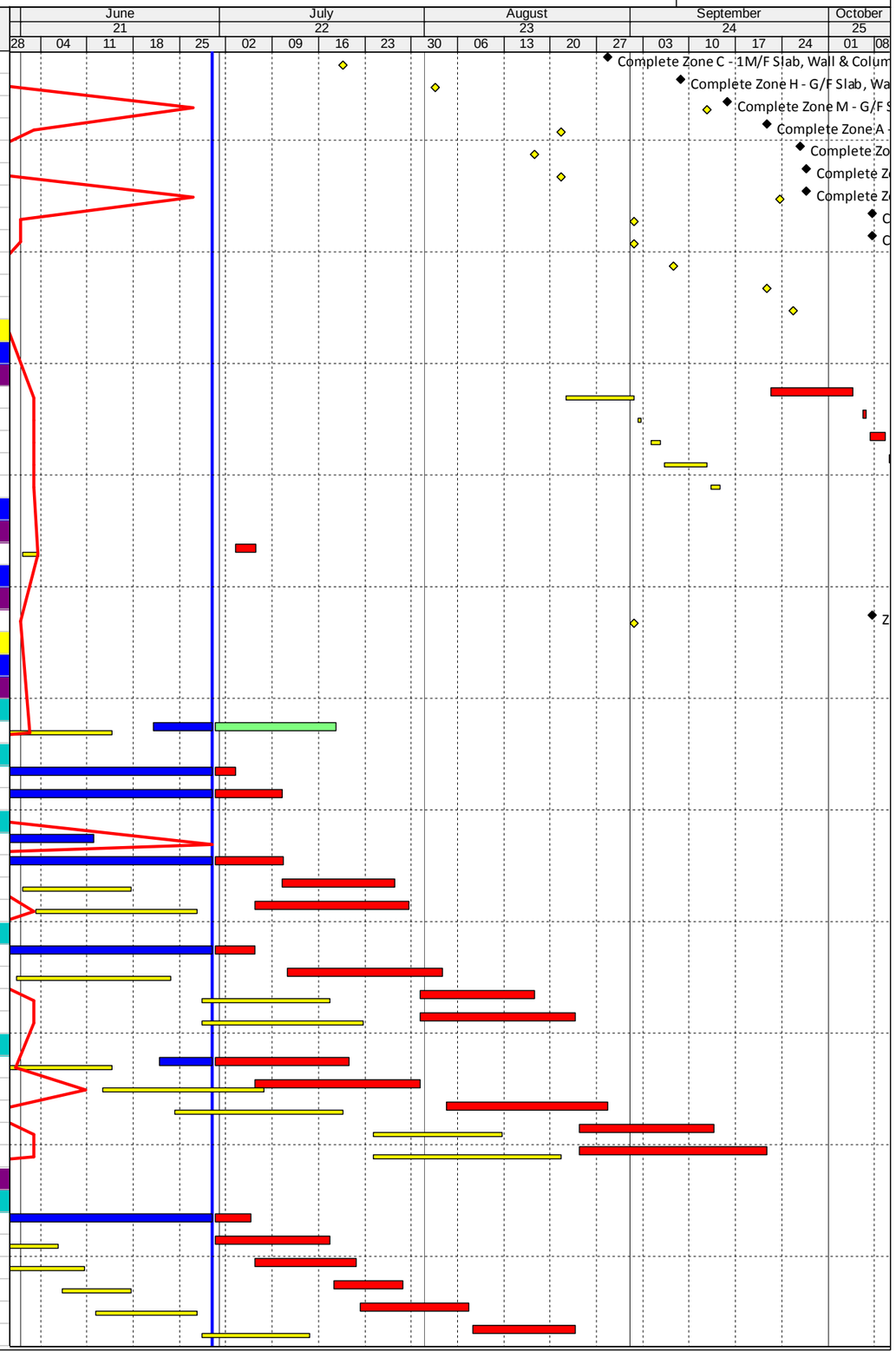
HSIN CHONG 新昌

Date	Revision	Checked	Approved
28-Feb-17	3MRP_M17_29 Feb 17	Chris S.	Chis Chau / Ricky Lau
31-Mar-17	3MRP_M18_31 Mar 17	Chris S.	Chis Chau / Ricky Lau
30-Apr-17	3MRP_M19_30 April 17	Chris S.	Chis Chau / Ricky Lau
31-May-17	3MRP_M20_31 May 17	Chris S.	Chis Chau / Ricky Lau
30-Jun-17	3MRP_M21_30 Jun 17	Chris S.	Chis Chau / Ricky Lau

Data Date: 30-Jun-17
Layout Name: 01) CMWP - 3MRP (Template)
File Name: Three Months Rolling Programme 3MRP - Mth21 (30 June 2017)

Three Months Rolling Programme (3MRP) - Mth 21 - 30 June 2017

Activity ID	Activity Name	CMWP Dur.	CMWP - R0.D5 Start	CMWP -R0.D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	Comments / Mitigating Measures
A12030	Complete Zone C - 1M/F Slab, Wall & Columns	0		19-Jul-17		28-Aug-17	0%	0%	-34	
A11830	Complete Zone H - G/F Slab, Wall & Columns	0		02-Aug-17		08-Sep-17	0%	0%	-32	
A11950	Complete Zone M - G/F Slab, Wall & Columns (GL7-8/D-	0		12-Sep-17		15-Sep-17	0%	0%	-3	
A11800	Complete Zone A - 3/F Slab, Wall & Columns	0		21-Aug-17		21-Sep-17	0%	0%	-27	
A12040	Complete Zone C - 2/F Slab, Wall & Columns	0		17-Aug-17		26-Sep-17	0%	0%	-34	
A11840	Complete Zone H - 1/F Slab, Wall & Columns	0		21-Aug-17		27-Sep-17	0%	0%	-32	
A11960	Complete Zone M - 1M/F Slab, Wall & Columns (GL7-8/	0		23-Sep-17		27-Sep-17	0%	0%	-3	
A12490	Complete Zone E & E1 - 1M/F Slab, Wall & Column incld	0		01-Sep-17		07-Oct-17	0%	0%	-29	
A12510	Complete Zone E & E1 - 3/F Slab, Wall & Column incld D	0		01-Sep-17		07-Oct-17	0%	0%	-29	
A11850	Complete Zone H - 1M/F Slab, Wall & Columns	0		07-Sep-17		17-Oct-17	0%	0%	-32	
A12050	Complete Zone C - 3/F Slab, Wall & Columns	0		21-Sep-17		03-Nov-17	0%	0%	-34	
A11860	Complete Zone H - 2/F Slab, Wall & Columns	0		25-Sep-17		04-Nov-17	0%	0%	-32	
Tower Crane Provision										
Provision of TC2 (Truss 1 & 2, Podium, Tower Construction)										
TC2 1st Jack										
A41300	Concrete curing & remove scaffolding @3/F Zone A5	10	22-Aug-17	01-Sep-17	22-Sep-17	04-Oct-17	0%	0%	-27	
A41310	Install & Connect Tie-in between TC2 & Zone A5 3/F slab	1	02-Sep-17	02-Sep-17	06-Oct-17	06-Oct-17	0%	0%	-27	
A41320	Inspection and ICE & RPE Certification for TC2 Ties	2	04-Sep-17	05-Sep-17	07-Oct-17	09-Oct-17	0%	0%	-27	
A41340	1st Raise & Jack up of TC2 to 75.1mPD	6	06-Sep-17	12-Sep-17	10-Oct-17	16-Oct-17	0%	0%	-27	
A41350	Inspection and ICE & RPE Certification for TC2 @75.1mP	2	13-Sep-17	14-Sep-17	17-Oct-17	18-Oct-17	0%	0%	-27	
Provision of TC5 (ICP & SPS Construction)										
TC5 Removal										
A59980	Dismantle TC5 (after ICP & SPS construction complete)	3	01-Jun-17	03-Jun-17	03-Jul-17	06-Jul-17	100%	0%	-26	
Provision of TC6 (Truss 3 & 4, Podium & Tower Construction)										
TC6-2										
A42785	Zone E - 3/F Slab Complete	0		01-Sep-17		07-Oct-17	0%	0%	-29	
M+ Podium Structure RC Works										
Podium Structure Zone A, M, N & H (Non-deferred Zone Parallel w/ Trusses)										
Zone A Structure										
B1 Level (updated as of 16 Dec 2016)										
A10965	Zone A5 Wall & Column (Industrial Space)	21	20-May-17	14-Jun-17	21-Jun-17	18-Jul-17	100%	30%	-28	
B1-GF Level										
A11010	Zone A4 Wall, Column & GF Slab (GL 2-3/D-H)	15	06-Feb-17	22-Feb-17	06-Feb-17	03-Jul-17	100%	90%	-104	Delay Due to changes /r
A11020	Zone A5 Wall, Column & GF Slab (GL 3-6/D-H)	15	03-Apr-17	24-Apr-17	03-Apr-17	10-Jul-17	100%	50%	-62	
GF-1F-1MF Level										
A11040	Zone A2 Wall, Column & 1MF Slab (GL 3-5/A-D)	21	23-Jan-17	18-Feb-17	23-Jan-17	12-Jun-17 A	100%	100%	-89	Subject to Embed BD co
A11030	Zone A1 Wall, Column & 1MF Slab (GL 2-3/A-D)	21	13-Feb-17	08-Mar-17	13-Feb-17	10-Jul-17	100%	61.9%	-98	
A11070	Zone A5 Wall, Column & 1MF Slab (GL 3-6/D-H)	15	01-Jun-17	17-Jun-17	10-Jul-17	27-Jul-17	100%	0%	-33	
A11060	Zone A4 Wall, Column & 1MF Slab (GL 2-3/D-H)	21	03-Jun-17	27-Jun-17	06-Jul-17	29-Jul-17	100%	0%	-27	
1MF-2F Level										
A11090	Zone A2 Wall, Column & 2F Slab (GL 3-5/A-D)	21	10-Apr-17	09-May-17	10-Apr-17	06-Jul-17	100%	80%	-47	
A11080	Zone A1 Wall, Column & 2F Slab (GL 2-3/A-D)	21	31-May-17	23-Jun-17	11-Jul-17	03-Aug-17	100%	0%	-34	
A11220	Zone A5 Wall, Column & 2F Slab (GL 3-6/D-H)	16	28-Jun-17	17-Jul-17	31-Jul-17	17-Aug-17	12.5%	0%	-27	
A11160	Zone A4 Wall, Column & 2F Slab (GL 2-3/D-H)	21	28-Jun-17	22-Jul-17	31-Jul-17	23-Aug-17	9.52%	0%	-27	
2F-3F Level										
A11480	Zone A3 Wall, Column & 3F Slab (GL 5-7/A-D)	21	20-May-17	14-Jun-17	22-Jun-17	20-Jul-17	100%	20%	-30	
A11400	Zone A2 Wall, Column & 3F Slab (GL 3-5/A-D)	21	13-Jun-17	07-Jul-17	06-Jul-17	31-Jul-17	71.43%	0%	-19	
A11320	Zone A1 Wall, Column & 3F Slab (GL 2-3/A-D)	21	24-Jun-17	19-Jul-17	04-Aug-17	28-Aug-17	23.81%	0%	-34	
A11620	Zone A5 Wall, Column & 3F Slab @GL 3-6/D-H	18	24-Jul-17	12-Aug-17	24-Aug-17	13-Sep-17	0%	0%	-27	
A11530	Zone A4 Wall, Column & 3F Slab (GL 2-3/D-H)	25	24-Jul-17	21-Aug-17	24-Aug-17	21-Sep-17	0%	0%	-27	
Zone H Structure										
GL-3F Level (Structure Remains Propped before Zone K construction complete)										
A10880	Podium Wall, Column & GF slab (GL 11-14/L-M)	82	03-Oct-16	10-Jan-17	03-Oct-16	05-Jul-17	100%	95.12%	-140	
A17315	Construct B1 Slab (GL 11-12/G-M & GL 11-14/M)	14	20-May-17	06-Jun-17	30-Jun-17	17-Jul-17	100%	0%	-34	
A10890	Podium Wall, Column & 1F slab (GL 11-14/L-M)	14	25-May-17	10-Jun-17	06-Jul-17	21-Jul-17	100%	0%	-34	
A17325	Podium Wall, Column & LGF slab (GL 11-13/H-L)	10	07-Jun-17	17-Jun-17	18-Jul-17	28-Jul-17	100%	0%	-34	
A10900	Podium Wall, Column & 1MF slab (GL 11-14/L-M)	14	12-Jun-17	27-Jun-17	22-Jul-17	07-Aug-17	100%	0%	-34	
A10910	Podium Wall, Column & 2F slab (GL 11-14/L-M)	14	28-Jun-17	14-Jul-17	08-Aug-17	23-Aug-17	14.29%	0%	-34	



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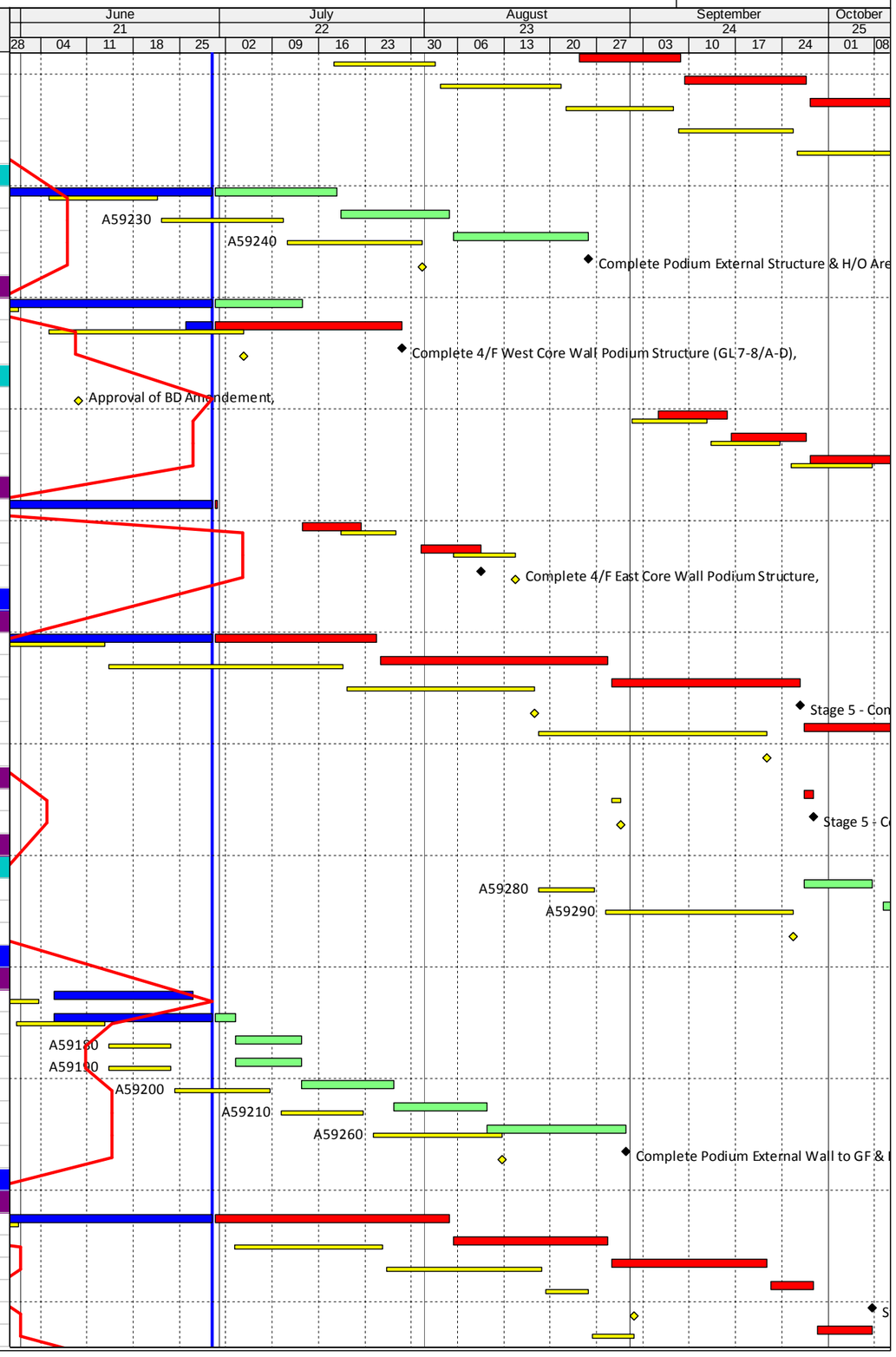
Three Months Rolling Programme (3MRP) - Mth 21 - 30 June 2017

Activity ID	Activity Name	CMWP Dur.	CMWP - R0.D5 Start	CMWP -R0.D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	Comments / Mitigating Measures
A17330	Podium Wall, Column & GF slab (GL 11-14/H-L, Staircas	14	18-Jul-17	02-Aug-17	24-Aug-17	08-Sep-17	0%	0%	-32	
A17340	Podium Wall, Column & 1F slab (GL 11-14/H-L)	16	03-Aug-17	21-Aug-17	09-Sep-17	27-Sep-17	0%	0%	-32	
A17350	Podium Wall, Column & 1MF slab (GL 11-14/H-L)	15	22-Aug-17	07-Sep-17	28-Sep-17	17-Oct-17	0%	0%	-32	
A17360	Podium Wall, Column & 2F slab (GL 11-14/H-L)	15	08-Sep-17	25-Sep-17	18-Oct-17	04-Nov-17	0%	0%	-32	
A17370	Podium Wall, Column & 3F slab (GL 11-14/H-M)	24	26-Sep-17	25-Oct-17	06-Nov-17	02-Dec-17	0%	0%	-32	
Zone H External Wall (GL 11-13/M) @M14a										
A59220	Construct carriageway wall CWA (GL 11.5-12/M)	15	05-Jun-17	21-Jun-17	03-May-17	18-Jul-17	100%	0%	-22	
A59230	Construct external staircase B1F-GF (1st pour)	15	22-Jun-17	10-Jul-17	19-Jul-17	04-Aug-17	46.67%	0%	-22	
A59240	Construct external staircase B1F-GF (2nd pour)	18	11-Jul-17	31-Jul-17	05-Aug-17	25-Aug-17	0%	0%	-22	
A59250	Complete Podium External Structure & H/O Area M14a	0		31-Jul-17		25-Aug-17	0%	0%	-22	
West Core Wall (Zone M) @ GL 7-8/A-E										
A43110	2F-3F Wall, Column & 3F slab (GL 7-8/A-D)	21	06-May-17	31-May-17	06-May-17	13-Jul-17	100%	50%	-36	
A43120	3F-4F Wall, Column & 4F slab (GL 7-8/A-D)	25	05-Jun-17	04-Jul-17	26-Jun-17	28-Jul-17	88%	5%	-21	
A43130	Complete 4/F West Core Wall Podium Structure (GL 7-8	0		04-Jul-17		28-Jul-17	0%	0%	-21	
Area Effected by Struts @ GL 7-8/D-E										
A57780	Approval of BD Amendement	0		09-Jun-17		09-Jan-17 A	100%	100%	120	
A57820	Construct B1-GF Wall, Column & GF Slab (GL 7-8/D-E)	10	01-Sep-17	12-Sep-17	05-Sep-17	15-Sep-17	0%	0%	-3	
A57830	Construct GF-1MF Wall, Column & 1MF Slab (GL 7-8/D-E)	10	13-Sep-17	23-Sep-17	16-Sep-17	27-Sep-17	0%	0%	-3	
A57840	Construct 1MF-2F Wall, Column & 2F Slab (GL 7-8/D-E)	10	25-Sep-17	07-Oct-17	28-Sep-17	11-Oct-17	0%	0%	-3	
East Core Wall (Zone N) @ GL 7-8/L-M										
A43140	1MF-2F Staircase (GL 7-8/M)	8	02-May-17	11-May-17	02-May-17	30-Jun-17	100%	90%	-42	
A43150	2F-3F Staircase (GL 7-8/M)	8	19-Jul-17	27-Jul-17	13-Jul-17	22-Jul-17	0%	0%	5	
A43160	3F-4F Staircase (GL 7-8/M)	8	05-Aug-17	14-Aug-17	31-Jul-17	09-Aug-17	0%	0%	5	
A43170	Complete 4/F East Core Wall Podium Structure	0		14-Aug-17		09-Aug-17	0%	0%	5	
Podium Structure Zone B, C, D & Q (Deferred Zone @ T5 & T1)										
Zone C @ GL 1-5/H-K										
A15920	Stage 2 - Construct wall, column & GF slab (GL 7'-5/H-K)	20	20-May-17	13-Jun-17	29-May-17	24-Jul-17	100%	0%	-34	
A15930	Stage 3/4 - Construct hanging columns, wall, beam & sla	30	14-Jun-17	19-Jul-17	25-Jul-17	28-Aug-17	46.67%	0%	-34	
A15940	Stage 5 - Construct wall, column & 2F slab (GL 1-5/H-K)	25	20-Jul-17	17-Aug-17	29-Aug-17	26-Sep-17	0%	0%	-34	
A15950	Stage 5 - Complete Zone C for T5 stability prop installati	0		17-Aug-17		26-Sep-17	0%	0%	-34	
A42900	Stage 5 - Construct wall, column & 3F slab (GL 1-5/H-K)	30	18-Aug-17	21-Sep-17	27-Sep-17	03-Nov-17	0%	0%	-34	
A42910	Complete Zone C Structure	0		21-Sep-17		03-Nov-17	0%	0%	-34	
Installation of Stability Prop for T5										
A15960	Stage 5 - Install T5 stability prop	2	29-Aug-17	30-Aug-17	27-Sep-17	28-Sep-17	0%	0%	-25	
A15970	Stage 5 - Complete T5 stability prop	0		30-Aug-17		28-Sep-17	0%	0%	-25	
Zone D @GL 1-5/K-M and @GL 5-7/H-M										
Zone D External Wall (GL 1-7/M) @ M14 & M13										
A59280	Install void former on AEL tunnel @GL 1-7/M	8	18-Aug-17	26-Aug-17	27-Sep-17	07-Oct-17	0%	0%	-34	
A59290	Construct B1 slab support & External Wall @GL 1-7/M	25	28-Aug-17	25-Sep-17	09-Oct-17	07-Nov-17	0%	0%	-34	
A59300	Complete External Wall @GL 1-7/M & H/O M13 & M14	0		25-Sep-17		07-Nov-17	0%	0%	-34	
Podium Structure Zone K, L & P (Deferred Zone Near T1 & T2)										
Zone K & L External & Carriageway Walls (GL 8-11/M) @M14										
A59160	Construct external wall CWC (GL 8-10/M)	12	20-May-17	03-Jun-17	06-Jun-17	27-Jun-17 A	100%	100%	-19	
A59170	Construct carriageway wall CWB (GL 8-10/M)	12	31-May-17	13-Jun-17	06-Jun-17	03-Jul-17	100%	90%	-15	
A59180	Construct B1 slab (GL 8-10/M)	10	14-Jun-17	23-Jun-17	03-Jul-17	13-Jul-17	100%	0%	-19	
A59190	Construct tunnel base slab (GL 11/L-M)	10	14-Jun-17	23-Jun-17	03-Jul-17	13-Jul-17	100%	0%	-19	
A59200	Construct B1 slab (GL 9-11/K-L)	12	24-Jun-17	08-Jul-17	13-Jul-17	27-Jul-17	41.67%	0%	-15	
A59210	Construct carriageway wall CWA (GL 11-11.5/L)	12	10-Jul-17	22-Jul-17	27-Jul-17	10-Aug-17	0%	0%	-15	
A59260	Construct column, wall & GF slab (GL 8-12/M)	18	24-Jul-17	12-Aug-17	10-Aug-17	31-Aug-17	0%	0%	-15	
A59270	Complete Podium External Wall to GF & H/O Area M14	0		12-Aug-17		31-Aug-17	0%	0%	-15	
Podium Structure Zone E, G & J (Deferred Zone Near T3 & T4)										
Zone E & E1 @GL 10-8/A-E (not within deferred zone)										
A16850	Stage 3 - Construct 1MF beam & slab (GL 12-8/A-C)	60	15-Mar-17	31-May-17	15-Mar-17	04-Aug-17	100%	50%	-55	GL 8-10 to be cast on 12
A16870	Stage 4 - Construct 2F beam & slab (GL 12-8/A-C)	20	03-Jul-17	25-Jul-17	05-Aug-17	28-Aug-17	0%	0%	-29	
A16890	Stage 5 - Construct wall, column & 3F roof (GL 12-8/A-C)	21	26-Jul-17	18-Aug-17	29-Aug-17	21-Sep-17	0%	0%	-29	
A16920	Stage 8 - 1MF, 2F & 3F Concrete Curing (GL 12-8/A-C: in	7	19-Aug-17	25-Aug-17	22-Sep-17	28-Sep-17	0%	0%	-34	
A16940	Stage 8 - Complete Zone E	0		01-Sep-17		07-Oct-17	0%	0%	-29	
A16930	Stage 9 - De-prop 1MF & 3F	6	26-Aug-17	01-Sep-17	29-Sep-17	07-Oct-17	0%	0%	-29	



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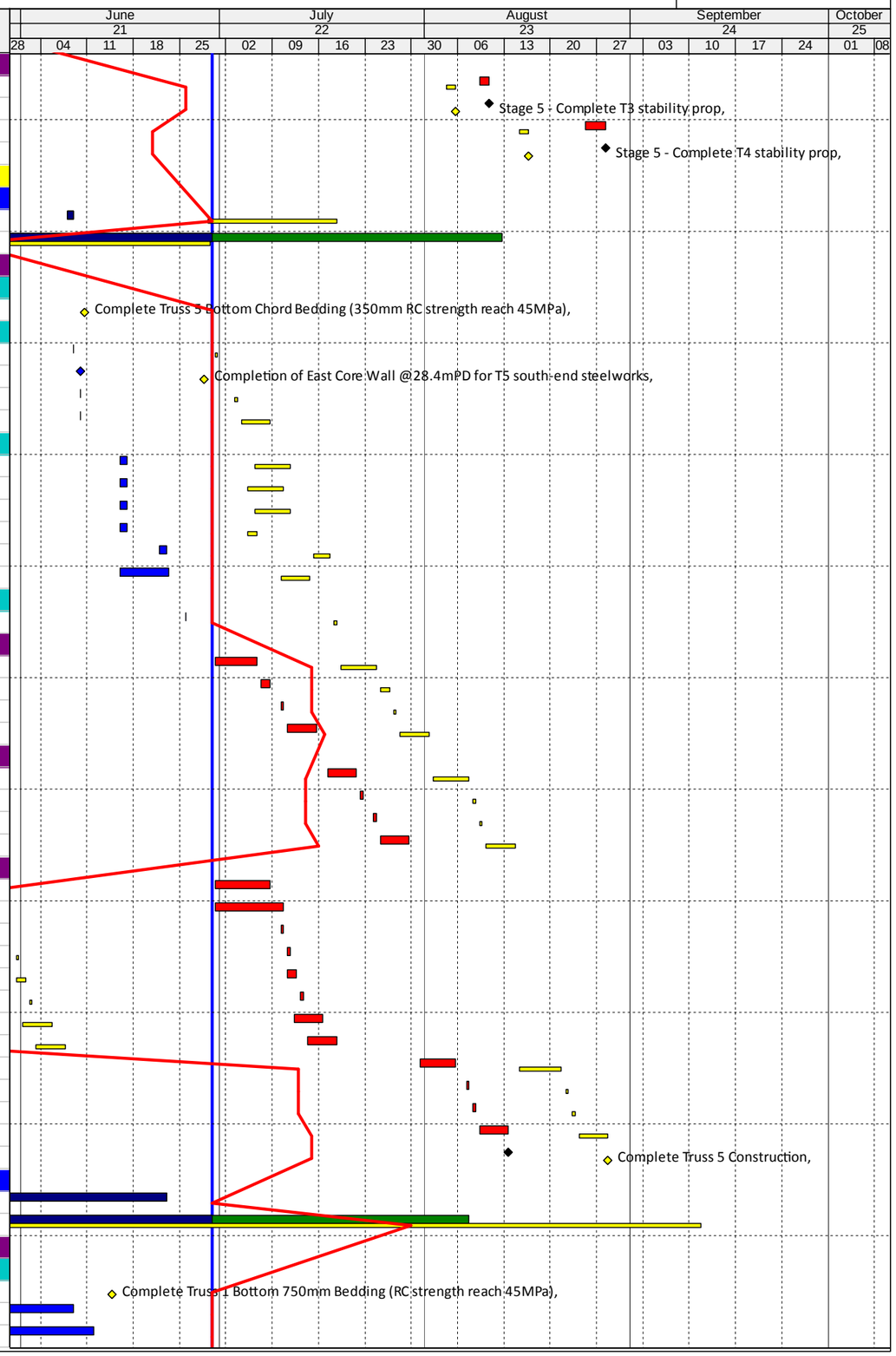
Installation of Stability Prop for T3 & T4										
A16960	Stage 5 - Install T3 stability prop	2	04-Aug-17	05-Aug-17	09-Aug-17	10-Aug-17	0%	0%	-4	
A16970	Stage 5 - Complete T3 stability prop	0		05-Aug-17		10-Aug-17	0%	0%	-4	
A16980	Stage 5 - Install T4 stability prop	2	15-Aug-17	16-Aug-17	25-Aug-17	28-Aug-17	0%	0%	-9	
A16990	Stage 5 - Complete T4 stability prop	0		16-Aug-17		28-Aug-17	0%	0%	-9	
M+ Mega Truss Site Construction										
Site Construction of Truss 5										
A50570	T5 Steel Truss Erection - Part 2 (incl. T5N04, T5-D21 & T5	16	29-Jun-17	18-Jul-17	08-Jun-17	09-Jun-17 A	6.25%	100%	33	
A50525	T5 Steel Truss Concrete Encasement (LoE)	91	08-Mar-17	29-Jun-17	08-Mar-17	12-Aug-17	100%	59.34%	-37	
T5 Steel Erection (incl. Modular Towers & Working Platform)										
Temporary Supports & Modular Towers										
MT1030	Complete Truss 5 Bottom Chord Bedding (350mm RC str	0		10-Jun-17		28-Dec-16 A	100%	100%	130	
Installation of T5 Remaining Components										
MT1710	Installation T5-N04	1	30-Jun-17	30-Jun-17	09-Jun-17	09-Jun-17 A	0%	100%	19	
MT1700	Completion of East Core Wall @28.4mPD for T5 south-e	0		28-Jun-17		10-Jun-17 A	100%	100%	16	
MT1720	Installation T5-D21	1	03-Jul-17	03-Jul-17	10-Jun-17	10-Jun-17 A	0%	100%	19	
MT1730	Installation T5-B14	5	04-Jul-17	08-Jul-17	10-Jun-17	10-Jun-17 A	0%	100%	24	
Welding and NDT of Top Chords (Remaining)										
MT1740	Welding D21-N01	5	06-Jul-17	11-Jul-17	16-Jun-17	17-Jun-17 A	0%	100%	20	
MT1750	Welding N04(A) N04 (B)	5	05-Jul-17	10-Jul-17	16-Jun-17	17-Jun-17 A	0%	100%	19	
MT1760	Welding N04-D21	5	06-Jul-17	11-Jul-17	16-Jun-17	17-Jun-17 A	0%	100%	20	
MT1780	Welding N04-B14	2	05-Jul-17	06-Jul-17	16-Jun-17	17-Jun-17 A	0%	100%	16	
MT1790	NDT for top chord (main)	2	15-Jul-17	17-Jul-17	22-Jun-17	23-Jun-17 A	0%	100%	20	
MT1770	Welding B14-N05	5	10-Jul-17	14-Jul-17	16-Jun-17	23-Jun-17 A	0%	100%	18	
Completion of T5 Installation										
MT1800	Survey check for overall truss T5	1	18-Jul-17	18-Jul-17	26-Jun-17	26-Jun-17 A	0%	100%	19	
RC Works CJ2 to +23.7mPD (Bottom Chord)										
A50690	Rebar Fixing CJ2 @GL 5-7	5	19-Jul-17	24-Jul-17	30-Jun-17	06-Jul-17	0%	0%	15	
A50740	Formworks CJ2 @GL 5-7	2	25-Jul-17	26-Jul-17	07-Jul-17	08-Jul-17	0%	0%	15	
A50820	Concreting CJ2 @GL 5-7	1	27-Jul-17	27-Jul-17	10-Jul-17	10-Jul-17	0%	0%	15	
A50930	Concrete Curing CJ2 @GL 5-7	5	28-Jul-17	01-Aug-17	11-Jul-17	15-Jul-17	0%	0%	17	
RC Works to CJ3 to +28.6mPD (7 nos. of Bracing)										
A51180	Rebar Fixing CJ3 @GL 5-7	5	02-Aug-17	07-Aug-17	17-Jul-17	21-Jul-17	0%	0%	14	
A51190	Formworks CJ3 @GL 5-7	1	08-Aug-17	08-Aug-17	22-Jul-17	22-Jul-17	0%	0%	14	
A51240	Concreting CJ3 @GL 5-7	1	09-Aug-17	09-Aug-17	24-Jul-17	24-Jul-17	0%	0%	14	
A51290	Concrete Curing CJ3 @GL 5-7	5	10-Aug-17	14-Aug-17	25-Jul-17	29-Jul-17	0%	0%	16	
RC Works to +31.3mPD (Top Chord - 3/F)										
A52030	Rebar Fixing CJ4 @GL 3-5	7	20-May-17	27-May-17	30-Jun-17	08-Jul-17	100%	0%	-34	
A51710	Rebar Fixing CJ4 @GL 1-3	8	20-May-17	29-May-17	30-Jun-17	10-Jul-17	100%	0%	-34	
A52060	Formworks CJ4 @GL 3-5	1	29-May-17	29-May-17	10-Jul-17	10-Jul-17	100%	0%	-34	
A52150	Concreting Top Chord CJ4 @GL 3-5	1	31-May-17	31-May-17	11-Jul-17	11-Jul-17	100%	0%	-34	
A51740	Formworks CJ4 @GL 1-3	2	31-May-17	01-Jun-17	11-Jul-17	12-Jul-17	100%	0%	-34	
A51840	Concreting Top Chord CJ4 @GL 1-3	1	02-Jun-17	02-Jun-17	13-Jul-17	13-Jul-17	100%	0%	-34	
A52240	Concrete Curing Top Chord CJ4 @GL 3-5	5	01-Jun-17	05-Jun-17	12-Jul-17	16-Jul-17	100%	0%	-41	
A51940	Concrete Curing Top Chord CJ4 @GL 1-3	5	03-Jun-17	07-Jun-17	14-Jul-17	18-Jul-17	100%	0%	-41	
A52330	Rebar Fixing CJ4 @GL 5-7	6	15-Aug-17	21-Aug-17	31-Jul-17	05-Aug-17	0%	0%	13	
A52420	Formworks CJ4 @GL 5-7	1	22-Aug-17	22-Aug-17	07-Aug-17	07-Aug-17	0%	0%	13	
A52510	Concreting to Top Chord CJ4 @GL 5-7	1	23-Aug-17	23-Aug-17	08-Aug-17	08-Aug-17	0%	0%	13	
A52570	Concrete Curing Top Chord CJ4 @GL 5-7	5	24-Aug-17	28-Aug-17	09-Aug-17	13-Aug-17	0%	0%	15	
A52575	Complete Truss 5 Construction	0		28-Aug-17		13-Aug-17	0%	0%	15	
Site Construction of Truss 1										
A40515	T1 Steel Truss Erection (LoE)	83	23-Jan-17	09-May-17	23-Jan-17	23-Jun-17 A	100%	100%	-37	
A40520	T1 Steel Truss Concrete Encasement (LoE)	110	04-May-17	11-Sep-17	03-May-17	07-Aug-17	43.64%	70.91%	30	
T1 Steel Erection (incl. Modular Towers & Working Platform)										
Temporary Supports & Modular Towers										
MT1850	Complete Truss 1 Bottom 750mm Bedding (RC strength	0		14-Jun-17		24-Jan-17 A	100%	100%	111	
MT5140	Installation of temporary support towers @GL D-E	2	19-May-17	20-May-17	19-May-17	09-Jun-17 A	100%	100%	-15	
MT5160	Install tie to T1 bottom chord for temporary support tow	1	24-May-17	24-May-17	24-May-17	12-Jun-17 A	100%	100%	-14	



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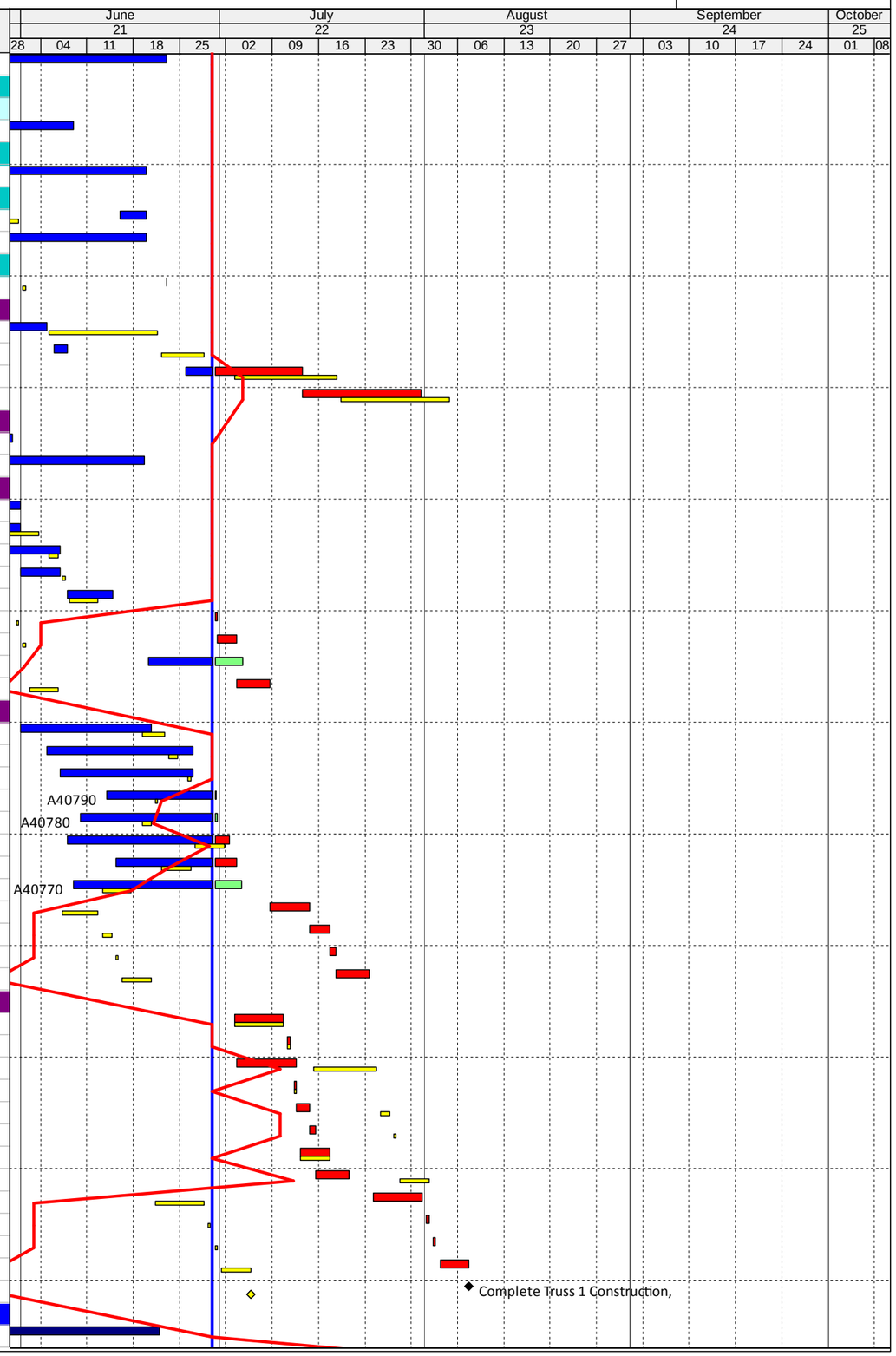
Three Months Rolling Programme (3MRP) - Mth 21 - 30 June 2017

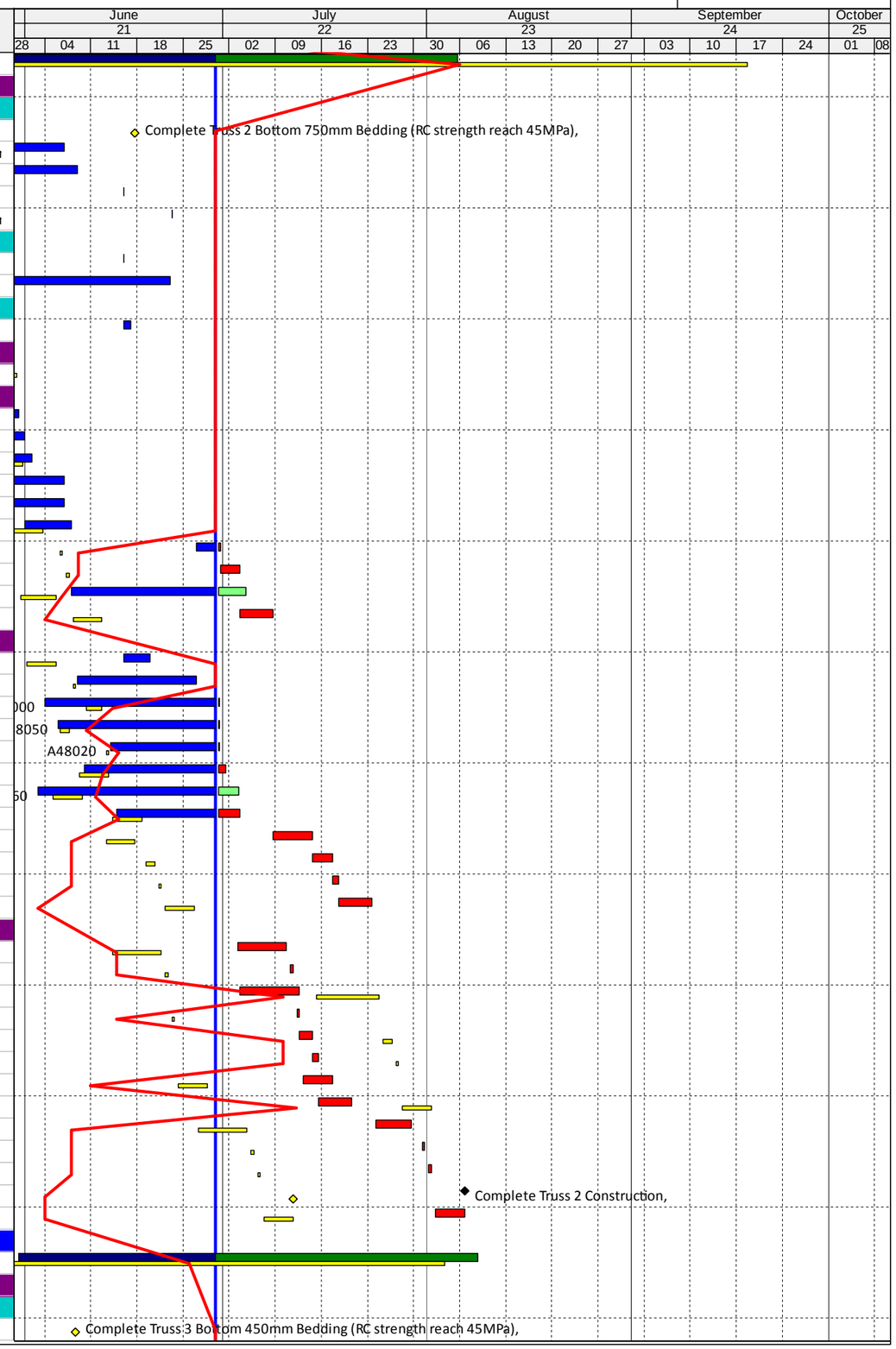
Activity ID	Activity Name	CMWP Dur.	CMWP - R0.D5 Start	CMWP -R0.D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	Comments / Mitigating Measures
MT2510	Erection hanger platform 1	1	19-May-17	19-May-17	19-May-17	23-Jun-17 A	100%	100%	-28	
Installation of Bottom Chords, Bracings & Top Chords										
Top Chords & Bracing Windows Plates										
MT2520	Installation T1-N05	1	25-May-17	25-May-17	25-May-17	09-Jun-17 A	100%	100%	-11	Depends on B1 Slab Cor
Welding and NDT for cover plates										
MT2480	NDT for cover plates	18	06-Apr-17	29-Apr-17	06-Apr-17	20-Jun-17 A	100%	100%	-40	
Welding and NDT for Top Chords										
MT2580	Welding N06-N05	4	26-May-17	31-May-17	16-Jun-17	20-Jun-17 A	100%	100%	-16	
MT2590	NDT for top chord (main)	2	18-Mar-17	20-Mar-17	18-Mar-17	20-Jun-17 A	100%	100%	-71	
Completion of T1 Installation										
MT2600	Survey check for overall truss T1	1	01-Jun-17	01-Jun-17	23-Jun-17	23-Jun-17 A	100%	100%	-18	
RC Works East Core Wall (incl. to +28.3mPD for T5-N04A & T5-N04B)										
A37520	Construct +23.7mPD to 28.4mPD (2F to 3F L.S.)	15	05-Jun-17	21-Jun-17	23-May-17	05-Jun-17 A	100%	100%	15	
A37530	Concrete Curing +28.4mPD	7	22-Jun-17	28-Jun-17	06-Jun-17	08-Jun-17 A	100%	100%	21	
A37540	Construct +28.4mPD to 34.75mPD (3F L.S. to 3F U.S.)	14	03-Jul-17	18-Jul-17	26-Jun-17	13-Jul-17	0%	25%	5	
A37550	Construct +34.75mPD to 37.95mPD (3F to 4F)	15	19-Jul-17	04-Aug-17	13-Jul-17	31-Jul-17	0%	0%	5	
RC Works CJ2 to +23.7mPD (Bottom Chord)										
A40600	Concrete Curing CJ2 @GL L-J	5	23-May-17	27-May-17	26-May-17	30-May-17 A	100%	100%	-3	
A44440	Concrete Curing CJ2 @GL G-D	5	09-May-17	13-May-17	09-May-17	19-Jun-17 A	100%	100%	-37	
RC Works to CJ3 to +29.3mPD (7 nos. of Bracing)										
A40740	Concrete Curing CJ3 @GL J-G	5	23-May-17	27-May-17	14-May-17	01-Jun-17 A	100%	100%	-4	
A40670	Rebar Fixing CJ3 @GL L-J	5	29-May-17	03-Jun-17	26-May-17	01-Jun-17 A	100%	100%	3	
A40680	Formworks CJ3 @GL L-J	2	05-Jun-17	06-Jun-17	28-May-17	07-Jun-17 A	100%	100%	0	
A40690	Concreting CJ3 @GL L-J	1	07-Jun-17	07-Jun-17	01-Jun-17	07-Jun-17 A	100%	100%	1	
A40700	Concrete Curing CJ3 @GL L-J	5	08-Jun-17	12-Jun-17	08-Jun-17	15-Jun-17 A	100%	100%	-2	
A40760	Formworks CJ3 @GL G-D	1	31-May-17	31-May-17	27-Jul-17 A	30-Jun-17	100%	5%	-26	
A44950	Concreting CJ3 @GL G-D	1	01-Jun-17	01-Jun-17	30-Jun-17	03-Jul-17	100%	0%	-26	
A40750	Rebar Fixing CJ3 @GL G-D	5	24-May-17	29-May-17	20-Jun-17	04-Jul-17	100%	50%	-29	
A45060	Concrete Curing CJ3 @GL G-D	5	02-Jun-17	06-Jun-17	03-Jul-17	08-Jul-17	100%	0%	-32	
RC Works to CJ4 to 34.75mPD (7 nos. of Bracing)										
A40810	Rebar Fixing CJ4 @GL J-G	4	19-Jun-17	22-Jun-17	01-Jun-17	20-Jun-17 A	100%	100%	2	
A40820	Formworks CJ4 @GL J-G	2	23-Jun-17	24-Jun-17	05-Jun-17	27-Jun-17 A	100%	100%	-1	
A40830	Concreting CJ4 @GL J-G	1	26-Jun-17	26-Jun-17	07-Jun-17	27-Jun-17 A	100%	100%	0	
A40790	Concreting CJ4 @GL L-J	1	21-Jun-17	21-Jun-17	14-Jun-17	30-Jun-17	100%	25%	-8	
A40780	Formworks CJ4 @GL L-J	2	19-Jun-17	20-Jun-17	10-Jun-17	30-Jun-17	100%	55%	-9	
A40840	Concrete Curing CJ4 @GL J-G	5	27-Jun-17	01-Jul-17	08-Jun-17	02-Jul-17	60%	50%	-1	
A40800	Concrete Curing CJ4 @GL L-J	5	22-Jun-17	26-Jun-17	15-Jun-17	03-Jul-17	100%	25%	-7	
A40770	Rebar Fixing CJ4 @GL L-J	5	13-Jun-17	17-Jun-17	09-Jun-17	04-Jul-17	100%	55%	-12	
A40850	Rebar Fixing CJ4 @GL G-D	5	07-Jun-17	12-Jun-17	08-Jul-17	14-Jul-17	100%	0%	-27	
A40860	Formworks CJ4 @GL G-D	2	13-Jun-17	14-Jun-17	14-Jul-17	17-Jul-17	100%	0%	-27	
A45570	Concreting CJ4 @GL G-D	1	15-Jun-17	15-Jun-17	17-Jul-17	18-Jul-17	100%	0%	-27	
A45680	Concrete Curing CJ4 @GL G-D	5	16-Jun-17	20-Jun-17	18-Jul-17	23-Jul-17	100%	0%	-33	
RC Works to +37.95mPD (Top Chord - 4/F)										
A40910	Rebar Fixing @GL J-G	7	03-Jul-17	10-Jul-17	03-Jul-17	10-Jul-17	0%	0%	0	
A40920	Formworks @GL J-G	1	11-Jul-17	11-Jul-17	11-Jul-17	11-Jul-17	0%	0%	0	
A40870	Rebar Fixing @GL L-J	8	15-Jul-17	24-Jul-17	03-Jul-17	12-Jul-17	0%	0%	10	
A40930	Concreting Top Chord @GL J-G	1	12-Jul-17	12-Jul-17	12-Jul-17	12-Jul-17	0%	0%	0	
A40880	Formworks @GL L-J	2	25-Jul-17	26-Jul-17	12-Jul-17	14-Jul-17	0%	0%	10	
A40890	Concreting Top Chord @GL L-J	1	27-Jul-17	27-Jul-17	14-Jul-17	15-Jul-17	0%	0%	10	
A40940	Concrete Curing Top Chord @GL J-G	5	13-Jul-17	17-Jul-17	13-Jul-17	17-Jul-17	0%	0%	0	
A40900	Concrete Curing Top Chord @GL L-J	5	28-Jul-17	01-Aug-17	15-Jul-17	20-Jul-17	0%	0%	12	
A40950	Rebar Fixing @GL G-D	7	21-Jun-17	28-Jun-17	24-Jul-17	31-Jul-17	100%	0%	-27	
A40960	Formworks @GL G-D	1	29-Jun-17	29-Jun-17	01-Aug-17	01-Aug-17	100%	0%	-27	
A40970	Concreting to Top Chord @GL G-D	1	30-Jun-17	30-Jun-17	02-Aug-17	02-Aug-17	0%	0%	-27	
A40980	Concrete Curing Top Chord @GL G-D	5	01-Jul-17	05-Jul-17	03-Aug-17	07-Aug-17	0%	0%	-33	
A40985	Complete Truss 1 Construction	0		05-Jul-17		07-Aug-17	0%	0%	-33	
Site Construction of Truss 2										
A46665	T2 Steel Truss Erection (LoE)	80	27-Jan-17	10-May-17	27-Jan-17	22-Jun-17 A	100%	100%	-35	



Data Date: 30-Jun-17
Layout Name: 01) CMWP - 3MRP (Template)
File Name: Three Months Rolling Programme 3MRP - Mth21 (30 June 2017)

Three Months Rolling Programme (3MRP) - Mth 21 - 30 June 2017

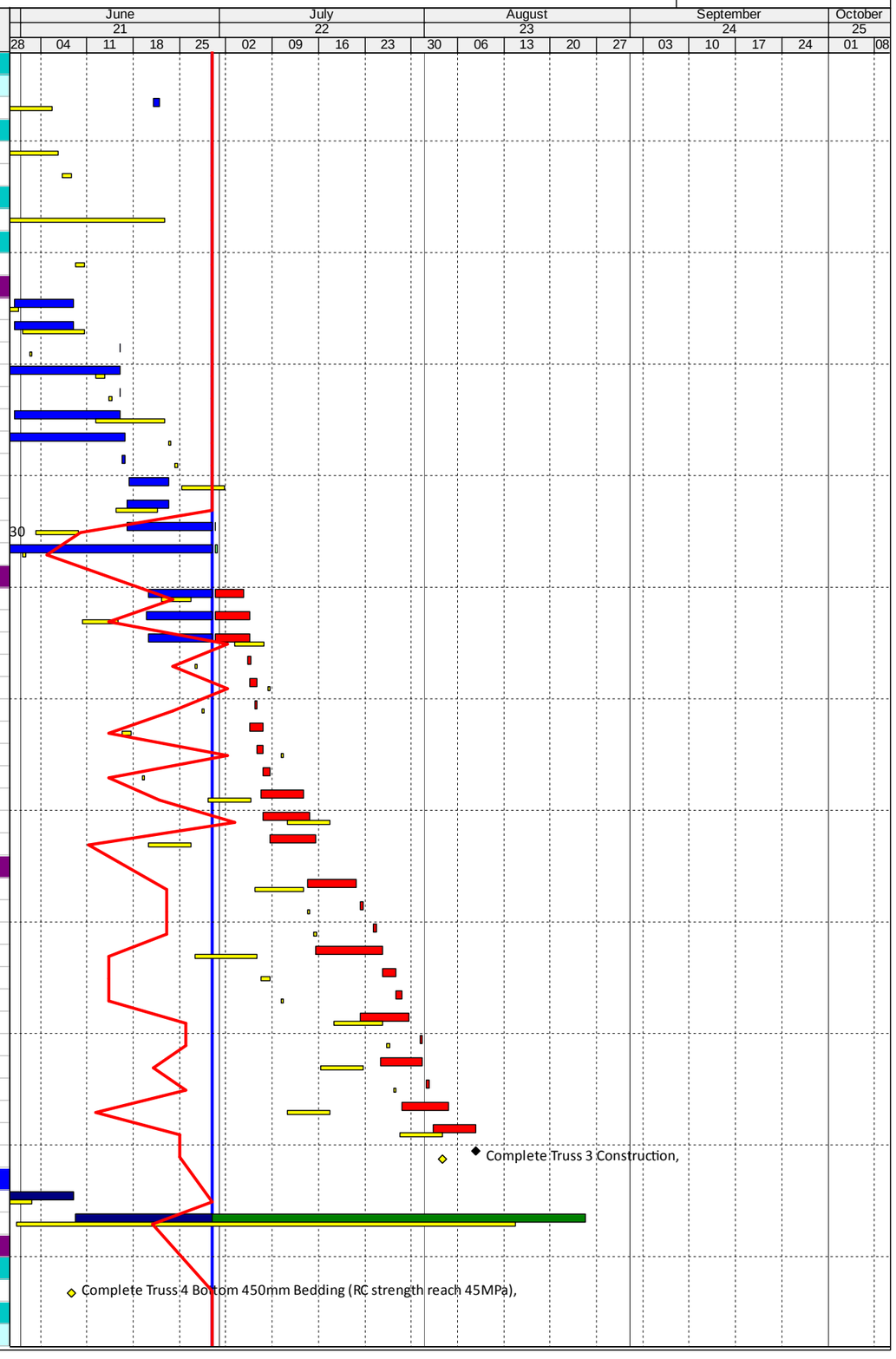
Activity ID	Activity Name	CMWP Dur.	CMWP - R0.D5 Start	CMWP -R0.D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	Comments / Mitigating Measures
A46715	T2 Steel Truss Concrete Encasement (LoE)	110	11-May-17	18-Sep-17	11-May-17	05-Aug-17	38.18%	71.82%	37	
T2 Steel Erection (incl. Modular Towers & Working Platform)										
Temporary Supports & Modular Towers										
MT2650	Complete Truss 2 Bottom 750mm Bedding (RC strength	0		17-Jun-17		03-Feb-17 A	100%	100%	108	
MT3300	Installation of temporary support towers 1	1	13-May-17	13-May-17	13-May-17	07-Jun-17 A	100%	100%	-19	Depends on B1 Slab Cor
MT5150	Installation of temporary support towers @GL E-F	2	20-May-17	22-May-17	20-May-17	09-Jun-17 A	100%	100%	-14	
MT5170	Install tie to T2 bottom chord for temporary support tow	1	23-May-17	23-May-17	16-Jun-17	16-Jun-17 A	100%	100%	-19	
MT3310	Installation of hanger platform 1	1	22-May-17	22-May-17	23-Jun-17	23-Jun-17 A	100%	100%	-26	Depends on B1 Slab Cor
Welding and NDT for Top Chords										
MT3390	Welding N06-N05	4	20-May-17	24-May-17	16-Jun-17	16-Jun-17 A	100%	100%	-18	
MT3400	NDT for top chord (main)	7	22-May-17	29-May-17	20-Mar-17	23-Jun-17 A	100%	100%	-20	
Completion of T2 Installation										
MT3410	Survey check for overall truss T2	2	25-May-17	26-May-17	16-Jun-17	17-Jun-17 A	100%	100%	-17	
RC Works CJ2 to +23.7mPD (Bottom Chord)										
A47270	Concrete Curing CJ2 @GL L-J	5	26-May-17	30-May-17	25-May-17	29-May-17 A	100%	100%	1	
RC Works to CJ3 to +29.3mPD (7 nos. of Bracing)										
A47460	Concreting CJ3 @GL J-G	1	26-May-17	26-May-17	17-May-17	31-May-17 A	100%	100%	-2	
A47400	Rebar Fixing CJ3 @GL L-J	5	20-May-17	25-May-17	20-May-17	01-Jun-17 A	100%	100%	-4	
A47470	CJ3 @GL J-G Concrete Curing	5	27-May-17	31-May-17	18-May-17	02-Jun-17 A	100%	100%	-1	
A47410	Formworks CJ3 @GL L-J	2	26-May-17	27-May-17	26-May-17	07-Jun-17 A	100%	100%	-7	
A47420	Concreting CJ3 @GL L-J	1	29-May-17	29-May-17	29-May-17	07-Jun-17 A	100%	100%	-6	
A47430	CJ3 @GL L-J Concrete Curing	5	30-May-17	03-Jun-17	01-Jun-17	08-Jun-17 A	100%	100%	-4	
A47620	Formworks CJ3 @GL G-D	1	06-Jun-17	06-Jun-17	27-Jun-17	30-Jun-17	100%	5%	-21	
A47720	Concreting CJ3 @GL G-D	1	07-Jun-17	07-Jun-17	30-Jun-17	03-Jul-17	100%	0%	-21	
A47540	Rebar Fixing CJ3 @GL G-D	5	31-May-17	05-Jun-17	08-Jun-17	04-Jul-17	100%	50%	-24	
A47830	Concrete Curing CJ3 @GL G-D	5	08-Jun-17	12-Jun-17	03-Jul-17	08-Jul-17	100%	0%	-26	
RC Works to CJ4 to 34.75mPD (7 nos. of Bracing)										
A48040	Rebar Fixing CJ4 @GL J-G	4	01-Jun-17	05-Jun-17	16-Jun-17	20-Jun-17 A	100%	100%	-12	
A48060	Concreting CJ4 @GL J-G	1	08-Jun-17	08-Jun-17	09-Jun-17	27-Jun-17 A	100%	100%	-15	
A48000	Formworks CJ4 @GL L-J	2	10-Jun-17	12-Jun-17	04-Jun-17	30-Jun-17	100%	65%	-16	
A48050	Formworks CJ4 @GL J-G	2	06-Jun-17	07-Jun-17	06-Jun-17	30-Jun-17	100%	65%	-20	
A48020	Concreting CJ4 @GL L-J	1	13-Jun-17	13-Jun-17	14-Jun-17	30-Jun-17	100%	25%	-15	
A48070	Concrete Curing CJ4 @GL J-G	5	09-Jun-17	13-Jun-17	10-Jun-17	01-Jul-17	100%	75%	-17	
A47960	Rebar Fixing CJ4 @GL L-J	5	05-Jun-17	09-Jun-17	03-Jun-17	03-Jul-17	100%	75%	-18	
A48030	Concrete Curing CJ4 @GL L-J	5	14-Jun-17	18-Jun-17	15-Jun-17	03-Jul-17	100%	25%	-15	
A48080	Rebar Fixing CJ4 @GL G-D	5	13-Jun-17	17-Jun-17	08-Jul-17	14-Jul-17	100%	0%	-22	
A48090	Formworks CJ4 @GL G-D	2	19-Jun-17	20-Jun-17	14-Jul-17	17-Jul-17	100%	0%	-22	
A48110	Concreting CJ4 @GL G-D	1	21-Jun-17	21-Jun-17	17-Jul-17	18-Jul-17	100%	0%	-22	
A48170	Concrete Curing CJ4 @GL G-D	5	22-Jun-17	26-Jun-17	18-Jul-17	23-Jul-17	100%	0%	-27	
RC Works to +37.95mPD (Top Chord - 4/F)										
A48660	Rebar Fixing @GL J-G	7	14-Jun-17	21-Jun-17	03-Jul-17	10-Jul-17	100%	0%	-15	
A48700	Formworks @GL J-G	1	22-Jun-17	22-Jun-17	11-Jul-17	11-Jul-17	100%	0%	-15	
A48330	Rebar Fixing @GL L-J	8	15-Jul-17	24-Jul-17	03-Jul-17	12-Jul-17	0%	0%	10	
A48770	Concreting Top Chord @GL J-G	1	23-Jun-17	23-Jun-17	12-Jul-17	12-Jul-17	100%	0%	-15	
A48400	Formworks @GL L-J	2	25-Jul-17	26-Jul-17	12-Jul-17	14-Jul-17	0%	0%	10	
A48490	Concreting Top Chord @GL L-J	1	27-Jul-17	27-Jul-17	14-Jul-17	15-Jul-17	0%	0%	10	
A48820	Concrete Curing Top Chord @GL J-G	5	24-Jun-17	28-Jun-17	13-Jul-17	17-Jul-17	100%	0%	-19	
A48570	Concrete Curing Top Chord @GL L-J	5	28-Jul-17	01-Aug-17	15-Jul-17	20-Jul-17	0%	0%	12	
A48890	Rebar Fixing @GL G-D	6	27-Jun-17	04-Jul-17	24-Jul-17	29-Jul-17	50%	0%	-22	
A48990	Formworks @GL G-D	1	05-Jul-17	05-Jul-17	31-Jul-17	31-Jul-17	0%	0%	-22	
A49080	Concreting to Top Chord @GL G-D	1	06-Jul-17	06-Jul-17	01-Aug-17	01-Aug-17	0%	0%	-22	
A49165	Complete Truss 2 Construction	0		11-Jul-17		06-Aug-17	0%	0%	-26	
A49160	Concrete Curing Top Chord @GL G-D	5	07-Jul-17	11-Jul-17	02-Aug-17	06-Aug-17	0%	0%	-26	
Site Construction of Truss 3										
A13190	T3 Steel Truss Concrete Encasement (LoE)	63	20-May-17	03-Aug-17	31-May-17	08-Aug-17	53.97%	47.62%	-4	
T3 Steel Erection (incl. Modular Towers & Working Platform)										
Temporary Supports & Modular Towers										
MT3470	Complete Truss 3 Bottom 450mm Bedding (RC strength	0		08-Jun-17		06-Mar-17 A	100%	100%	74	



Data Date: 30-Jun-17
Layout Name: 01) CMWP - 3MRP (Template)
File Name: Three Months Rolling Programme 3MRP - Mth21 (30 June 2017)

Three Months Rolling Programme (3MRP) - Mth 21 - 30 June 2017

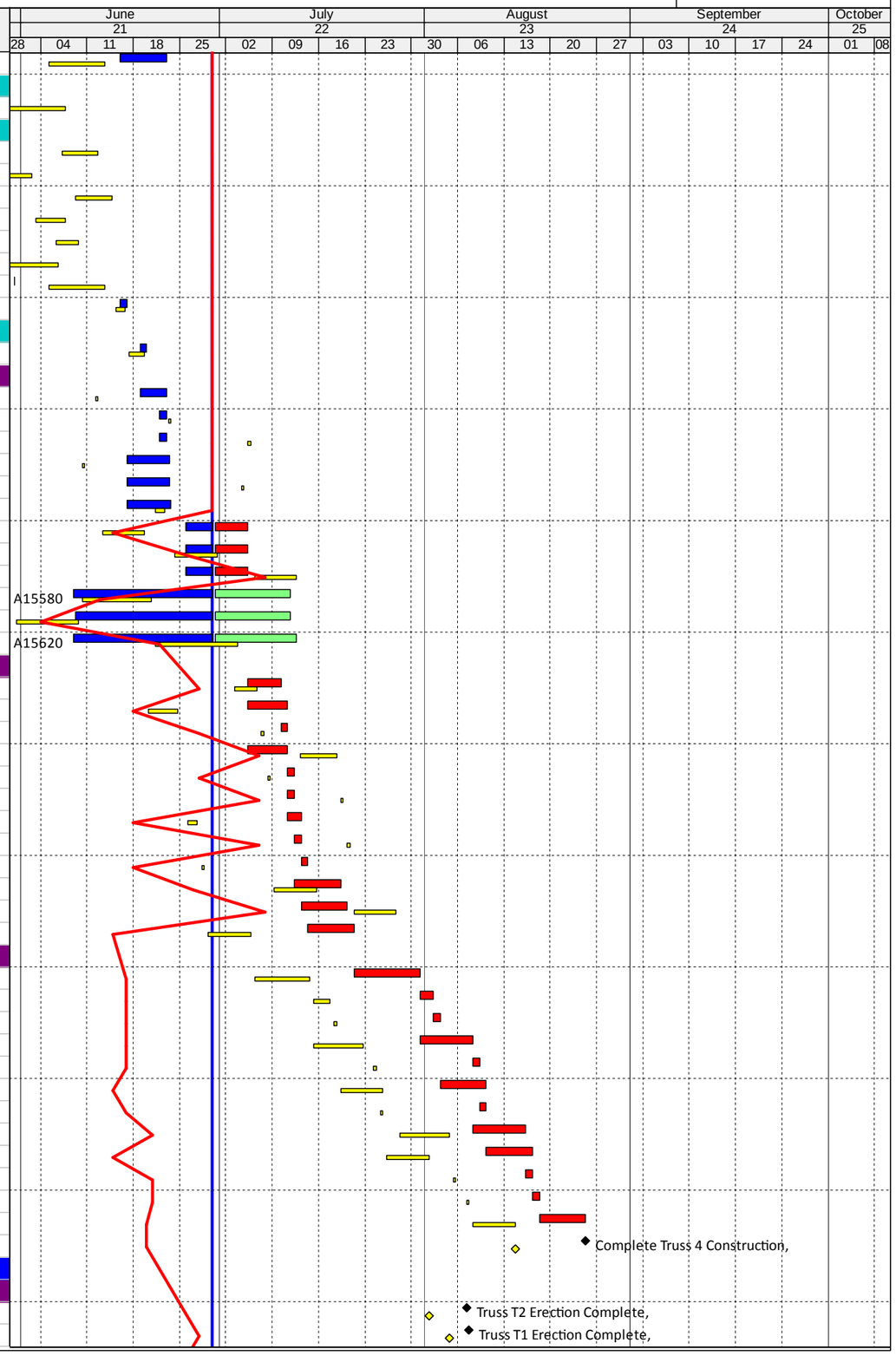
Activity ID	Activity Name	CMWP Dur.	CMWP - R0.D5 Start	CMWP -R0.D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	Comments / Mitigating Measures
Installation of Bottom Chords, Bracings & Top Chords										
Top Chords & Bracing Windows Plates										
MT4370	Installation of TCB bolts and shaped plates for T3-D26	8	26-May-17	05-Jun-17	21-Jun-17	22-Jun-17 A	100%	100%	-14	
Welding and NDT of Main Bracings										
MT4380	Welding of TCB bolts and shaped plates for T3-D26	8	27-May-17	06-Jun-17	18-May-17	19-May-17 A	100%	100%	15	
MT4390	NDT for cover and shaped plates, T3-D26	2	07-Jun-17	08-Jun-17	22-May-17	24-May-17 A	100%	100%	13	
Welding and NDT of top Chords										
MT4360	NDT for bracing and top chord (window plate)	29	19-May-17	22-Jun-17	19-May-17	19-May-17 A	100%	100%	28	no window plate
Completion of T3 Installation										
MT4400	Survey check for overall truss T3	2	09-Jun-17	10-Jun-17	18-May-17	18-May-17 A	100%	100%	20	
RC Works CJ2 to +23.7mPD (Bottom Chord)										
A13210	Rebar Fixing CJ2 @GL H-F	9	20-May-17	31-May-17	31-May-17	09-Jun-17 A	100%	100%	-7	
A13500	Rebar Fixing CJ2 @GL F-E	9	01-Jun-17	10-Jun-17	31-May-17	09-Jun-17 A	100%	100%	2	
A13330	Concreting CJ2 @GL H-F	1	02-Jun-17	02-Jun-17	16-Jun-17	16-Jun-17 A	100%	100%	-11	
A13580	Formworks CJ2 @GL F-E	2	12-Jun-17	13-Jun-17	30-May-17	16-Jun-17 A	100%	100%	-2	
A13660	Concreting CJ2 @GL F-E	1	14-Jun-17	14-Jun-17	16-Jun-17	16-Jun-17 A	100%	100%	-1	
A13820	Rebar Fixing CJ2 @GL E-C	10	12-Jun-17	22-Jun-17	31-May-17	16-Jun-17 A	100%	100%	6	
A13910	Formworks CJ2 @GL E-C	1	23-Jun-17	23-Jun-17	30-May-17	16-Jun-17 A	100%	100%	6	
A13990	Concreting CJ2 @GL E-C	1	24-Jun-17	24-Jun-17	16-Jun-17	16-Jun-17 A	100%	100%	7	
A14060	Concrete Curing CJ2 @GL E-C	7	25-Jun-17	01-Jul-17	17-Jun-17	23-Jun-17 A	71.43%	100%	9	
A13750	Concrete Curing CJ2 @GL F-E	7	15-Jun-17	21-Jun-17	17-Jun-17	23-Jun-17 A	100%	100%	-1	
A13430	Concrete Curing CJ2 @GL H-F	7	03-Jun-17	09-Jun-17	17-Jun-17	30-Jun-17	100%	100%	-20	
A13260	Formworks CJ2 @GL H-F	1	01-Jun-17	01-Jun-17	30-May-17	30-Jun-17	100%	0%	-25	
RC Works to CJ3 to +28.6mPD (7 nos. of Bracing)										
A14530	Rebar Fixing CJ3 @GL F-E	4	22-Jun-17	26-Jun-17	20-Jun-17	04-Jul-17	100%	25%	-6	
A14220	Rebar Fixing CJ3 @GL H-F	5	10-Jun-17	15-Jun-17	20-Jun-17	05-Jul-17	100%	25%	-16	
A14860	Rebar Fixing CJ3 @GL E-C	5	03-Jul-17	07-Jul-17	20-Jun-17	05-Jul-17	0%	25%	2	
A14610	Formworks CJ3 @GL F-E	1	27-Jun-17	27-Jun-17	05-Jul-17	05-Jul-17	100%	0%	-6	
A14980	Formworks CJ3 @GL E-C	1	08-Jul-17	08-Jul-17	05-Jul-17	06-Jul-17	0%	0%	2	
A14690	Concreting CJ3 @GL F-E	1	28-Jun-17	28-Jun-17	06-Jul-17	06-Jul-17	100%	0%	-6	
A14300	Formworks CJ3 @GL H-F	2	16-Jun-17	17-Jun-17	05-Jul-17	07-Jul-17	100%	0%	-16	
A15100	Concreting CJ3 @GL E-C	1	10-Jul-17	10-Jul-17	06-Jul-17	07-Jul-17	0%	0%	2	
A14370	Concreting CJ3 @GL H-F	1	19-Jun-17	19-Jun-17	07-Jul-17	08-Jul-17	100%	0%	-16	
A14780	CJ3 @GL F-E Concrete Curing	7	29-Jun-17	05-Jul-17	07-Jul-17	13-Jul-17	14.29%	0%	-8	
A15180	Concrete Curing CJ3 @GL E-C	7	11-Jul-17	17-Jul-17	07-Jul-17	14-Jul-17	0%	0%	3	
A14450	CJ3 @GL H-F Concrete Curing	7	20-Jun-17	26-Jun-17	08-Jul-17	15-Jul-17	100%	0%	-19	
RC Works to +31.3mPD (Top Chord - 3/F)										
A15340	Rebar Fixing CJ4 @GL F-E	7	06-Jul-17	13-Jul-17	14-Jul-17	21-Jul-17	0%	0%	-7	
A15350	Formworks CJ4 @GL F-E	1	14-Jul-17	14-Jul-17	22-Jul-17	22-Jul-17	0%	0%	-7	
A15360	Concreting Top Chord CJ4 @GL F-E	1	15-Jul-17	15-Jul-17	24-Jul-17	24-Jul-17	0%	0%	-7	
A15300	Rebar Fixing CJ4 @GL H-F	8	27-Jun-17	06-Jul-17	15-Jul-17	25-Jul-17	37.5%	0%	-16	
A15310	Formworks CJ4 @GL H-F	2	07-Jul-17	08-Jul-17	25-Jul-17	27-Jul-17	0%	0%	-16	
A15320	Concreting Top Chord CJ4 @GL H-F	1	10-Jul-17	10-Jul-17	27-Jul-17	28-Jul-17	0%	0%	-16	
A15380	Rebar Fixing CJ4 @GL E-C	7	18-Jul-17	25-Jul-17	22-Jul-17	29-Jul-17	0%	0%	-4	
A15390	Formworks CJ4 @GL E-C	1	26-Jul-17	26-Jul-17	31-Jul-17	31-Jul-17	0%	0%	-4	
A15370	Concrete Curing Top Chord CJ4 @GL F-E	7	16-Jul-17	22-Jul-17	25-Jul-17	31-Jul-17	0%	0%	-9	
A15400	Concreting to Top Chord CJ4 @GL E-C	1	27-Jul-17	27-Jul-17	01-Aug-17	01-Aug-17	0%	0%	-4	
A15330	Concrete Curing Top Chord CJ4 @GL H-F	7	11-Jul-17	17-Jul-17	28-Jul-17	04-Aug-17	0%	0%	-18	
A15410	Concrete Curing Top Chord CJ4 @GL E-C	7	28-Jul-17	03-Aug-17	02-Aug-17	08-Aug-17	0%	0%	-5	
A15420	Complete Truss 3 Construction	0		03-Aug-17		08-Aug-17	0%	0%	-5	
Site Construction of Truss 4										
A15490	T4 Steel Truss Erection (LoE)	65	11-Mar-17	02-Jun-17	11-Mar-17	09-Jun-17 A	100%	100%	-5	
A15510	T4 Steel Truss Concrete Encasement (LoE)	64	31-May-17	14-Aug-17	09-Jun-17	25-Aug-17	40.63%	26.5%	-9	
T4 Steel Erection (incl. Modular Towers & Working Platform)										
Temporary Supports & Modular Towers										
MT4500	Complete Truss 4 Bottom 450mm Bedding (RC strength	0		08-Jun-17		10-Mar-17 A	100%	100%	70	
Installation of Bottom Chords, Bracings & Top Chords										
Top Chords & Bracing Windows Plates										



Data Date: 30-Jun-17
Layout Name: 01) CMWP - 3MRP (Template)
File Name: Three Months Rolling Programme 3MRP - Mth21 (30 June 2017)

Three Months Rolling Programme (3MRP) - Mth 21 - 30 June 2017

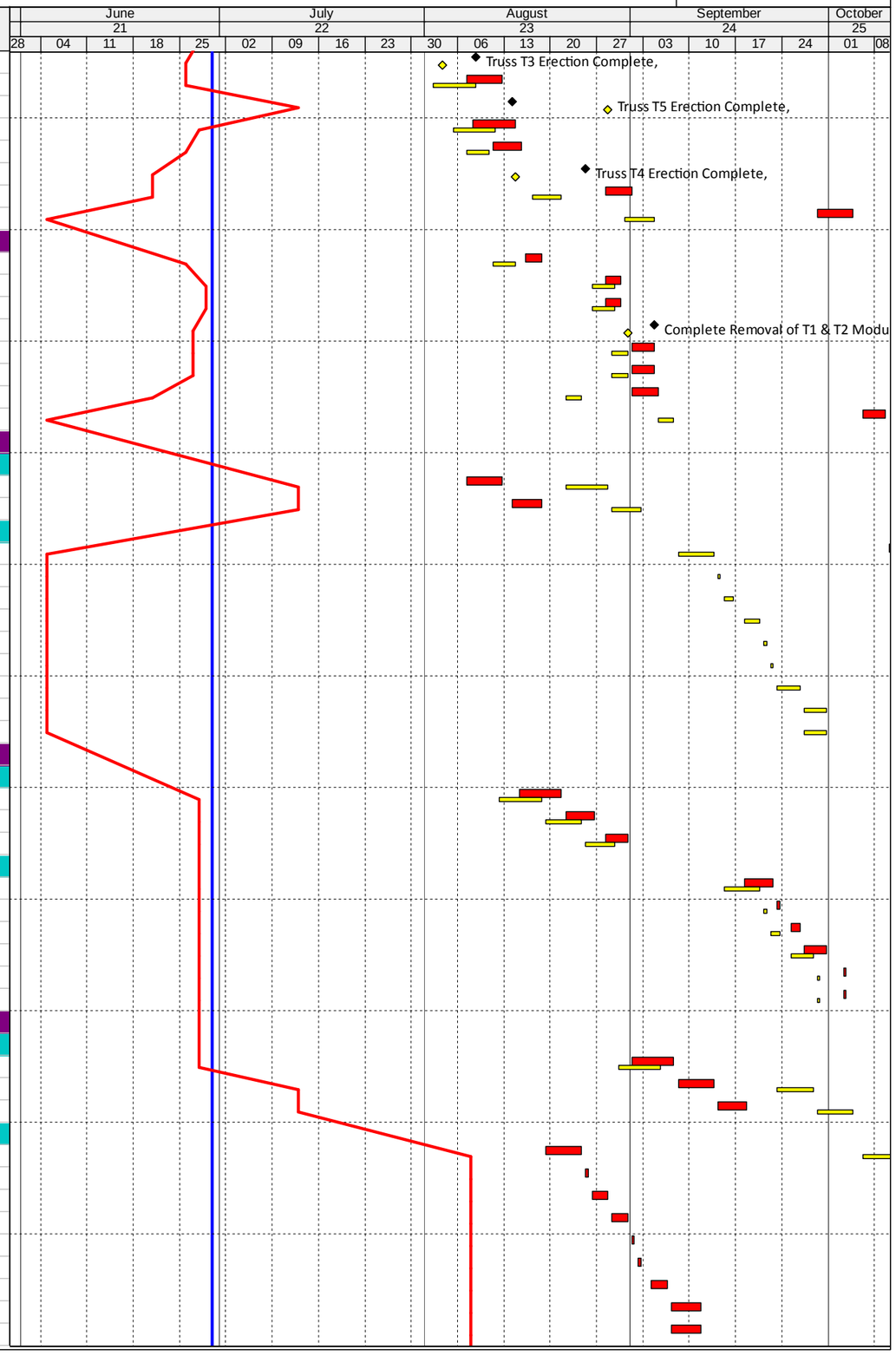
Activity ID	Activity Name	CMWP Dur.	CMWP - R0.D5 Start	CMWP -R0.D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	Comments / Mitigating Measures
MT5100	Installation of TCB bolts and shaped plates for T5-d26	8	05-Jun-17	13-Jun-17	16-Jun-17	23-Jun-17 A	100%	100%	-8	
Welding and NDT of bottom Chords										
MT4640	NDT for bottom chord (main)	24	10-May-17	07-Jun-17	10-May-17	15-May-17 A	100%	100%	19	
Welding and NDT of main Bracings and Top Chords										
MT4900	Welding B14-N08	5	07-Jun-17	12-Jun-17	12-May-17	13-May-17 A	100%	100%	25	
MT4870	Welding D23-N03	4	29-May-17	02-Jun-17	18-May-17	19-May-17 A	100%	100%	12	
MT4910	Welding D23-N07	5	09-Jun-17	14-Jun-17	18-May-17	19-May-17 A	100%	100%	22	
MT4880	Welding D22-B11	4	03-Jun-17	07-Jun-17	25-May-17	26-May-17 A	100%	100%	10	
MT4890	Welding D21-N02	4	06-Jun-17	09-Jun-17	23-May-17	26-May-17 A	100%	100%	12	
MT5090	NDT for bracing and top chord (main)	20	13-May-17	06-Jun-17	13-May-17	29-May-17 A	100%	100%	7	
MT5110	Welding of TCB bolts and shaped plates for T4-D21, D26	8	05-Jun-17	13-Jun-17	31-May-17	31-May-17 A	100%	100%	12	
MT5120	NDT for cover and shaped plates, T4-D21, D26	2	15-Jun-17	16-Jun-17	16-Jun-17	17-Jun-17 A	100%	100%	0	
Completion of T4 Installation										
MT5130	Survey check for overall truss T4	2	17-Jun-17	19-Jun-17	19-Jun-17	20-Jun-17 A	100%	100%	0	
RC Works CJ2 to +23.7mPD (Bottom Chord)										
A15560	Concreting CJ2 @GL F-D	1	12-Jun-17	12-Jun-17	19-Jun-17	23-Jun-17 A	100%	100%	-9	
A15600	Concreting CJ2 @GL D-C	1	23-Jun-17	23-Jun-17	22-Jun-17	23-Jun-17 A	100%	100%	1	
A15640	Concreting CJ2 @GL C-A	1	05-Jul-17	05-Jul-17	22-Jun-17	23-Jun-17 A	0%	100%	10	
A15550	Formworks CJ2 @GL F-D	1	10-Jun-17	10-Jun-17	17-Jun-17	23-Jun-17 A	100%	100%	-10	
A15630	Formworks CJ2 @GL C-A	1	04-Jul-17	04-Jul-17	17-Jun-17	23-Jun-17 A	0%	100%	9	
A15590	Formworks CJ2 @GL D-C	2	21-Jun-17	22-Jun-17	17-Jun-17	23-Jun-17 A	100%	100%	-1	
A15570	Concrete Curing CJ2 @GL F-D	7	13-Jun-17	19-Jun-17	26-Jun-17	05-Jul-17	100%	28.01%	-15	
A15610	Concrete Curing CJ2 @GL D-C	7	24-Jun-17	30-Jun-17	26-Jun-17	05-Jul-17	85.71%	28.01%	-4	
A15650	Concrete Curing CJ2 @GL C-A	7	06-Jul-17	12-Jul-17	26-Jun-17	05-Jul-17	0%	28.01%	8	
A15580	Rebar Fixing CJ2 @GL D-C	9	10-Jun-17	20-Jun-17	09-Jun-17	11-Jul-17	100%	0%	-17	
A15540	Rebar Fixing CJ2 @GL F-D	9	31-May-17	09-Jun-17	09-Jun-17	11-Jul-17	100%	0%	-26	
A15620	Rebar Fixing CJ2 @GL C-A	10	21-Jun-17	03-Jul-17	09-Jun-17	12-Jul-17	80%	0%	-8	
RC Works to CJ3 to +28.6mPD (11 nos. of Bracing)										
A15700	Rebar Fixing CJ3 @GL D-C	4	03-Jul-17	06-Jul-17	05-Jul-17	10-Jul-17	0%	0%	-2	
A15660	Rebar Fixing CJ3 @GL F-D	5	20-Jun-17	24-Jun-17	05-Jul-17	11-Jul-17	100%	0%	-12	
A15710	Formworks CJ3 @GL D-C	1	07-Jul-17	07-Jul-17	10-Jul-17	11-Jul-17	0%	0%	-2	
A15740	Rebar Fixing CJ3 @GL C-A	5	13-Jul-17	18-Jul-17	05-Jul-17	11-Jul-17	0%	0%	7	
A15720	Concreting CJ3 @GL D-C	1	08-Jul-17	08-Jul-17	11-Jul-17	12-Jul-17	0%	0%	-2	
A15750	Formworks CJ3 @GL C-A	1	19-Jul-17	19-Jul-17	11-Jul-17	12-Jul-17	0%	0%	7	
A15670	Formworks CJ3 @GL F-D	2	26-Jun-17	27-Jun-17	11-Jul-17	13-Jul-17	100%	0%	-12	
A15760	Concreting CJ3 @GL C-A	1	20-Jul-17	20-Jul-17	12-Jul-17	13-Jul-17	0%	0%	7	
A15680	Concreting CJ3 @GL F-D	1	28-Jun-17	28-Jun-17	13-Jul-17	14-Jul-17	100%	0%	-12	
A15730	CJ3 @GL D-C Concrete Curing	7	09-Jul-17	15-Jul-17	12-Jul-17	19-Jul-17	0%	0%	-3	
A15770	Concrete Curing CJ3 @GL C-A	7	21-Jul-17	27-Jul-17	13-Jul-17	20-Jul-17	0%	0%	8	
A15690	CJ3 @GL F-3 Concrete Curing	7	29-Jun-17	05-Jul-17	14-Jul-17	21-Jul-17	14.29%	0%	-15	
RC Works to +31.3mPD (Top Chord - 3/F)										
A15780	Rebar Fixing CJ4 @GL F-D	8	06-Jul-17	14-Jul-17	21-Jul-17	31-Jul-17	0%	0%	-13	
A15790	Formworks CJ4 @GL F-D	2	15-Jul-17	17-Jul-17	31-Jul-17	02-Aug-17	0%	0%	-13	
A15800	Concreting Top Chord CJ4 @GL F-D	1	18-Jul-17	18-Jul-17	02-Aug-17	03-Aug-17	0%	0%	-13	
A15820	Rebar Fixing CJ4 @GL D-C	7	15-Jul-17	22-Jul-17	31-Jul-17	08-Aug-17	0%	0%	-13	
A15830	Formworks CJ4 @GL D-C	1	24-Jul-17	24-Jul-17	08-Aug-17	09-Aug-17	0%	0%	-13	
A15810	Concrete Curing Top Chord CJ4 @GL F-D	7	19-Jul-17	25-Jul-17	03-Aug-17	10-Aug-17	0%	0%	-15	
A15840	Concreting Top Chord CJ4 @GL D-C	1	25-Jul-17	25-Jul-17	09-Aug-17	10-Aug-17	0%	0%	-13	
A15860	Rebar Fixing CJ4 @GL C-A	7	28-Jul-17	04-Aug-17	08-Aug-17	16-Aug-17	0%	0%	-9	
A15850	Concrete Curing Top Chord CJ4 @GL D-C	7	26-Jul-17	01-Aug-17	10-Aug-17	17-Aug-17	0%	0%	-15	
A15870	Formworks CJ4 @GL C-A	1	05-Aug-17	05-Aug-17	16-Aug-17	17-Aug-17	0%	0%	-9	
A15880	Concreting to Top Chord CJ4 @GL C-A	1	07-Aug-17	07-Aug-17	17-Aug-17	18-Aug-17	0%	0%	-9	
A15890	Concrete Curing Top Chord CJ4 @GL C-A	7	08-Aug-17	14-Aug-17	18-Aug-17	25-Aug-17	0%	0%	-10	
A15900	Complete Truss 4 Construction	0		14-Aug-17		25-Aug-17	0%	0%	-10	
Mega Truss Infill Construction (Zone F @ GL 7-8/D-M)										
Truss Completion & De-prop										
A17970	Truss T2 Erection Complete	0		01-Aug-17		07-Aug-17	0%	0%	-4	
A17960	Truss T1 Erection Complete	0		04-Aug-17		07-Aug-17	0%	0%	-2	



Data Date: 30-Jun-17
Layout Name: 01) CMWP - 3MRP (Template)
File Name: Three Months Rolling Programme 3MRP - Mth21 (30 June 2017)

Three Months Rolling Programme (3MRP) - Mth 21 - 30 June 2017

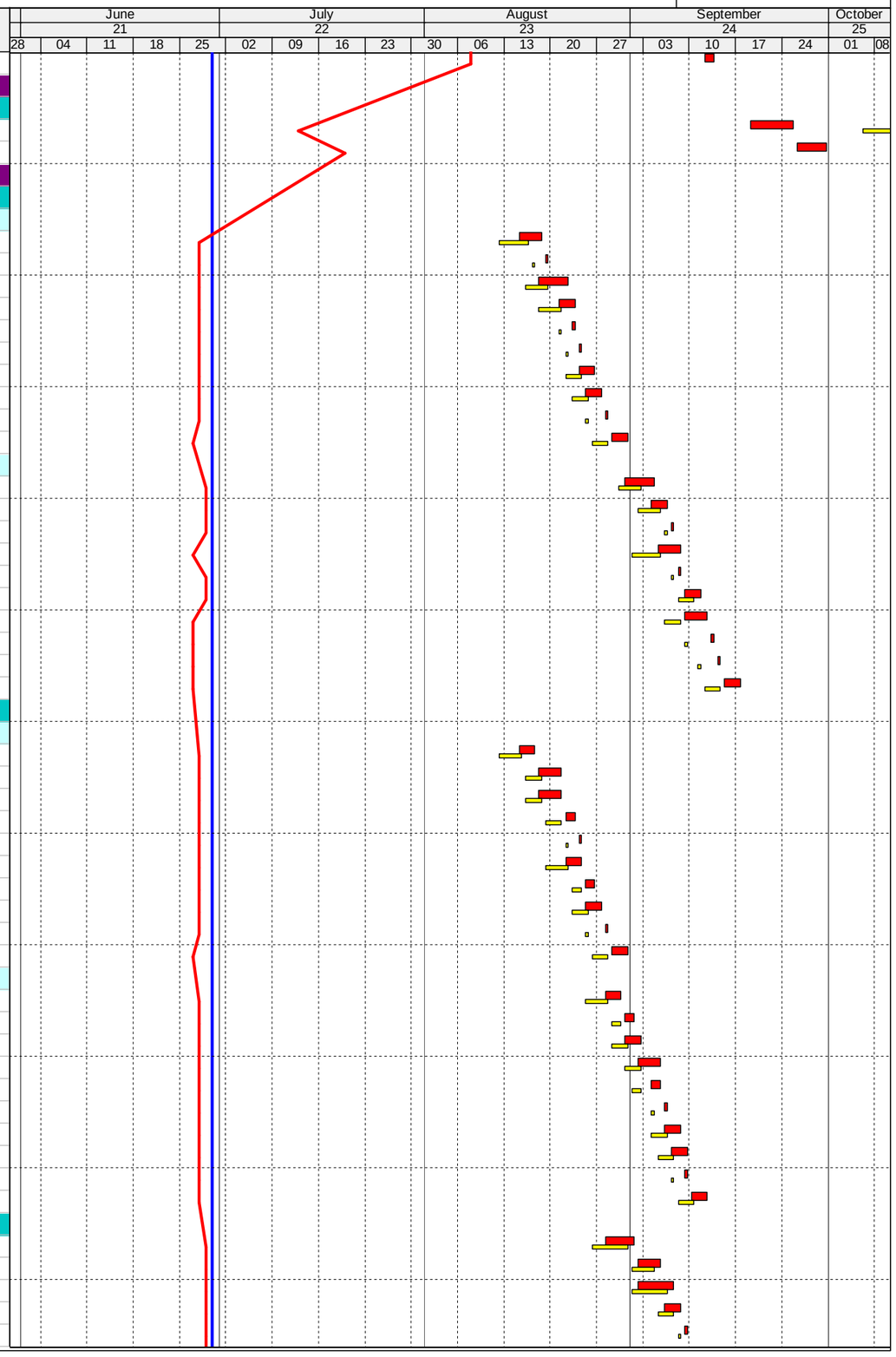
Activity ID	Activity Name	CMWP Dur.	CMWP - R0.D5 Start	CMWP -R0.D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	Comments / Mitigating Measures
A17985	Truss T3 Erection Complete	0		03-Aug-17		08-Aug-17	0%	0%	-4	
A50080	De-prop Truss 2	6	02-Aug-17	08-Aug-17	07-Aug-17	12-Aug-17	0%	0%	-4	
A17975	Truss T5 Erection Complete	0		28-Aug-17		14-Aug-17	0%	0%	13	
A50000	De-prop Truss 1	6	05-Aug-17	11-Aug-17	08-Aug-17	14-Aug-17	0%	0%	-2	
A50095	De-prop Truss T3	4	07-Aug-17	10-Aug-17	11-Aug-17	15-Aug-17	0%	0%	-4	
A17995	Truss T4 Erection Complete	0		14-Aug-17		25-Aug-17	0%	0%	-9	
A50105	De-prop Truss T4	4	17-Aug-17	21-Aug-17	28-Aug-17	01-Sep-17	0%	0%	-9	
A50085	De-prop Truss T5	4	31-Aug-17	04-Sep-17	29-Sep-17	04-Oct-17	0%	0%	-25	
Removal of Modular Towers										
A57690	Removal of T3 Modular Side Towers & Bracing	3	11-Aug-17	14-Aug-17	16-Aug-17	18-Aug-17	0%	0%	-4	
A17980	Removal of Modular Middle Towers & Bracing to Middle	3	26-Aug-17	29-Aug-17	28-Aug-17	30-Aug-17	0%	0%	-1	
A17990	Removal of Modular Side Towers & Bracing to Side Towe	3	26-Aug-17	29-Aug-17	28-Aug-17	30-Aug-17	0%	0%	-1	
A18060	Complete Removal of T1 & T2 Modular Towers	0		31-Aug-17		04-Sep-17	0%	0%	-3	
A18010	Removal of Modular Middle Towers & Bracing to Middle	3	29-Aug-17	31-Aug-17	01-Sep-17	04-Sep-17	0%	0%	-3	
A18020	Removal of Modular Side Towers & Bracing to Side Towe	3	29-Aug-17	31-Aug-17	01-Sep-17	04-Sep-17	0%	0%	-3	
A57700	Removal of T4 Modular Side Towers & Bracing	3	22-Aug-17	24-Aug-17	01-Sep-17	05-Sep-17	0%	0%	-9	
A57680	Removal of T5 Modular Side Towers & Bracing	3	05-Sep-17	07-Sep-17	06-Oct-17	09-Oct-17	0%	0%	-25	
Removal of T5 Falseworks										
Pre-setup Works										
A18340	Install additional beam for strengthening T5 9M trusses	6	22-Aug-17	28-Aug-17	07-Aug-17	12-Aug-17	0%	0%	13	
A18350	Set up Strand Jack Support System at T5	5	29-Aug-17	02-Sep-17	14-Aug-17	18-Aug-17	0%	0%	13	
Removal Works for T5 Falseworks										
A57880	Installation of Strand Jack on Strand Jack Support at T5	5	08-Sep-17	13-Sep-17	10-Oct-17	14-Oct-17	0%	0%	-25	
A57890	Lift up 100mm	1	14-Sep-17	14-Sep-17	16-Oct-17	16-Oct-17	0%	0%	-25	
A57900	Remove PERI Tower Jack head	2	15-Sep-17	16-Sep-17	17-Oct-17	18-Oct-17	0%	0%	-25	
A57910	Remove PERI Tower (12 nos.)	3	18-Sep-17	20-Sep-17	19-Oct-17	21-Oct-17	0%	0%	-25	
A57920	Lower down 9M truss (6 nos.)	1	21-Sep-17	21-Sep-17	23-Oct-17	23-Oct-17	0%	0%	-25	
A57930	Disconnect strand jack system at T5	1	22-Sep-17	22-Sep-17	24-Oct-17	24-Oct-17	0%	0%	-25	
A57940	Remove T5 working platform	3	23-Sep-17	26-Sep-17	25-Oct-17	27-Oct-17	0%	0%	-25	
A57960	Remove 9M truss (12 nos.)	4	27-Sep-17	30-Sep-17	30-Oct-17	02-Nov-17	0%	0%	-25	
A57970	Remove Non-Typical truss	4	27-Sep-17	30-Sep-17	30-Oct-17	02-Nov-17	0%	0%	-25	
Removal of T1 & T2 Falseworks										
Pre-setup Works										
A18250	Install additional beam for strengthening T1&T2 18M tru	6	12-Aug-17	18-Aug-17	15-Aug-17	21-Aug-17	0%	0%	-2	
A18260	Remove Strand Jack on Strand Jack Support at T5	5	19-Aug-17	24-Aug-17	22-Aug-17	26-Aug-17	0%	0%	-2	
A18270	Set up Strand Jack Support System at T1 & T2	4	25-Aug-17	29-Aug-17	28-Aug-17	31-Aug-17	0%	0%	-2	
Removal Works for T1 & T2 Falseworks										
A18280	Installation of Strand Jack on Strand Jack Support at T1,T	5	15-Sep-17	20-Sep-17	18-Sep-17	22-Sep-17	0%	0%	-2	
A18290	Lift up 100mm	1	21-Sep-17	21-Sep-17	23-Sep-17	23-Sep-17	0%	0%	-2	
A18300	Remove PERI Tower Jack head	2	22-Sep-17	23-Sep-17	25-Sep-17	26-Sep-17	0%	0%	-2	
A18310	Remove PERI Tower (12 nos.)	4	25-Sep-17	28-Sep-17	27-Sep-17	30-Sep-17	0%	0%	-2	
A57710	Lower down 18M truss (6 nos.)	1	29-Sep-17	29-Sep-17	03-Oct-17	03-Oct-17	0%	0%	-2	
A57720	Disconnect strand jack system at T1 & T2	1	29-Sep-17	29-Sep-17	03-Oct-17	03-Oct-17	0%	0%	-2	
Removal of T3 Falseworks										
Pre-setup Works										
A18410	Install additional beam for strengthening T3 9M trusses	6	30-Aug-17	05-Sep-17	01-Sep-17	07-Sep-17	0%	0%	-2	
A18420	Remove Strand Jack on Strand Jack Support at T1 & T2	5	23-Sep-17	28-Sep-17	08-Sep-17	13-Sep-17	0%	0%	13	
A18430	Set up Strand Jack Support System at T3	4	29-Sep-17	04-Oct-17	14-Sep-17	18-Sep-17	0%	0%	13	
Removal Works for T3 Falseworks										
A57990	Install Strand Jack on Strand Jack Support at T3	5	06-Oct-17	11-Oct-17	19-Aug-17	24-Aug-17	0%	0%	39	
A58000	Lift up 100mm	1	12-Oct-17	12-Oct-17	25-Aug-17	25-Aug-17	0%	0%	39	
A58010	Remove PERI Tower Jack head	2	13-Oct-17	14-Oct-17	26-Aug-17	28-Aug-17	0%	0%	39	
A58020	Remove PERI Tower (12 nos.)	3	16-Oct-17	18-Oct-17	29-Aug-17	31-Aug-17	0%	0%	39	
A58030	Lower down 9M truss (6 nos.)	1	19-Oct-17	19-Oct-17	01-Sep-17	01-Sep-17	0%	0%	39	
A58040	Disconnect strand jack system at T3	1	20-Oct-17	20-Oct-17	02-Sep-17	02-Sep-17	0%	0%	39	
A58050	Remove T3 working platform	3	21-Oct-17	24-Oct-17	04-Sep-17	06-Sep-17	0%	0%	39	
A58070	Remove 9M truss (12 nos.)	4	25-Oct-17	30-Oct-17	07-Sep-17	11-Sep-17	0%	0%	39	
A58080	Remove Non-Typical truss	4	25-Oct-17	30-Oct-17	07-Sep-17	11-Sep-17	0%	0%	39	



Data Date: 30-Jun-17
Layout Name: 01) CMWP - 3MRP (Template)
File Name: Three Months Rolling Programme 3MRP - Mth21 (30 June 2017)

Three Months Rolling Programme (3MRP) - Mth 21 - 30 June 2017

Activity ID	Activity Name	CMWP Dur.	CMWP - R0.D5 Start	CMWP -R0.D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	Comments / Mitigating Measures
A58090	Remove Spreader Beam	2	31-Oct-17	01-Nov-17	12-Sep-17	13-Sep-17	0%	0%	39	
Removal of T4 Falseworks										
Pre-setup Works										
A18470	Install additional beam for strengthening T4 9M trusses	6	06-Oct-17	12-Oct-17	19-Sep-17	25-Sep-17	0%	0%	13	
A18480	Remove Strand Jack on Strand Jack Support at T3	5	21-Oct-17	26-Oct-17	26-Sep-17	30-Sep-17	0%	0%	20	
RC Works for T1 & T2 In-fill Slabs										
RC Works for 4/F In-fill Slab										
Area Between Modular Towers										
A18000	Scaffolding for 4/F Slab RC Works @GL L-H	4	12-Aug-17	16-Aug-17	15-Aug-17	18-Aug-17	0%	0%	-2	
A18015	Formworks of 4/F Slab @GL L-H	1	17-Aug-17	17-Aug-17	19-Aug-17	19-Aug-17	0%	0%	-2	
A18040	Scaffolding for 4/F Slab RC Works @GL H-E	4	16-Aug-17	19-Aug-17	18-Aug-17	22-Aug-17	0%	0%	-2	
A18005	Rebar fixing of 4/F Slab @GL L-H	3	18-Aug-17	21-Aug-17	21-Aug-17	23-Aug-17	0%	0%	-2	
A18160	Formworks of 4/F Slab @GL H-E	1	21-Aug-17	21-Aug-17	23-Aug-17	23-Aug-17	0%	0%	-2	
A18030	Concreting 4/F Slab @GL L-H	1	22-Aug-17	22-Aug-17	24-Aug-17	24-Aug-17	0%	0%	-2	
A18050	Rebar fixing of 4/F Slab @GL H-E	3	22-Aug-17	24-Aug-17	24-Aug-17	26-Aug-17	0%	0%	-2	
A18035	Concrete Curing 4/F Slab @GL L-H	3	23-Aug-17	25-Aug-17	25-Aug-17	27-Aug-17	0%	0%	-2	
A18165	Concreting 4/F Slab @GL H-E	1	25-Aug-17	25-Aug-17	28-Aug-17	28-Aug-17	0%	0%	-2	
A18175	Concrete Curing 4/F Slab @GL H-E	3	26-Aug-17	28-Aug-17	29-Aug-17	31-Aug-17	0%	0%	-3	
Area of Modular Towers										
A57480	Scaffolding for 4/F Slab RC Works @GL L-H	4	30-Aug-17	02-Sep-17	31-Aug-17	04-Sep-17	0%	0%	-1	
A57490	Rebar fixing of 4/F Slab @GL L-H	3	02-Sep-17	05-Sep-17	04-Sep-17	06-Sep-17	0%	0%	-1	
A57500	Formworks of 4/F Slab @GL L-H	1	06-Sep-17	06-Sep-17	07-Sep-17	07-Sep-17	0%	0%	-1	
A57530	Scaffolding for 4/F Slab RC Works @GL H-E	4	01-Sep-17	05-Sep-17	05-Sep-17	08-Sep-17	0%	0%	-3	
A57510	Concreting 4/F Slab @GL L-H	1	07-Sep-17	07-Sep-17	08-Sep-17	08-Sep-17	0%	0%	-1	
A57520	Concrete Curing 4/F Slab @GL L-H	3	08-Sep-17	10-Sep-17	09-Sep-17	11-Sep-17	0%	0%	-1	
A57540	Rebar fixing of 4/F Slab @GL H-E	3	06-Sep-17	08-Sep-17	09-Sep-17	12-Sep-17	0%	0%	-3	
A57550	Formworks of 4/F Slab @GL H-E	1	09-Sep-17	09-Sep-17	13-Sep-17	13-Sep-17	0%	0%	-3	
A57560	Concreting 4/F Slab @GL H-E	1	11-Sep-17	11-Sep-17	14-Sep-17	14-Sep-17	0%	0%	-3	
A57570	Concrete Curing 4/F Slab @GL H-E	3	12-Sep-17	14-Sep-17	15-Sep-17	17-Sep-17	0%	0%	-3	
RC Works for 2/F Slab & Beams (6 nos. of Beam)										
Area Between Modular Towers										
A18065	Scaffolding for 2/F Slab & Beam @GL L-H	3	12-Aug-17	15-Aug-17	15-Aug-17	17-Aug-17	0%	0%	-2	
A18070	Rebar fixing of 2/F Slab & Beam @GL L-H	3	16-Aug-17	18-Aug-17	18-Aug-17	21-Aug-17	0%	0%	-2	
A18105	Scaffolding for 2/F Slab & Beam @GL H-E	3	16-Aug-17	18-Aug-17	18-Aug-17	21-Aug-17	0%	0%	-2	
A18080	Formworks of 2/F Slab & Beam @GL L-H	2	19-Aug-17	21-Aug-17	22-Aug-17	23-Aug-17	0%	0%	-2	
A18090	Concreting 2/F Slab & Beam @GL L-H	1	22-Aug-17	22-Aug-17	24-Aug-17	24-Aug-17	0%	0%	-2	
A50340	Rebar fixing of 2/F Slab & Beam @GL H-E	3	19-Aug-17	22-Aug-17	22-Aug-17	24-Aug-17	0%	0%	-2	
A50350	Formworks of 2/F Slab & Beam @GL H-E	2	23-Aug-17	24-Aug-17	25-Aug-17	26-Aug-17	0%	0%	-2	
A18100	Concrete Curing 2/F Slab & Beam @GL L-H	3	23-Aug-17	25-Aug-17	25-Aug-17	27-Aug-17	0%	0%	-2	
A50360	Concreting 2/F Slab & Beam @GL H-E	1	25-Aug-17	25-Aug-17	28-Aug-17	28-Aug-17	0%	0%	-2	
A50370	Concrete Curing 2/F Slab & Beam @GL H-E	3	26-Aug-17	28-Aug-17	29-Aug-17	31-Aug-17	0%	0%	-3	
Area of Modular Towers										
A57580	Scaffolding for 2/F Slab & Beam @GL L-H	3	25-Aug-17	28-Aug-17	28-Aug-17	30-Aug-17	0%	0%	-2	
A57600	Formworks of 2/F Slab & Beam @GL L-H	2	29-Aug-17	30-Aug-17	31-Aug-17	01-Sep-17	0%	0%	-2	
A57630	Scaffolding for 2/F Slab & Beam @GL H-E	3	29-Aug-17	31-Aug-17	31-Aug-17	02-Sep-17	0%	0%	-2	
A57590	Rebar fixing of 2/F Slab & Beam @GL L-H	3	31-Aug-17	02-Sep-17	02-Sep-17	05-Sep-17	0%	0%	-2	
A57650	Formworks of 2/F Slab & Beam @GL H-E	2	01-Sep-17	02-Sep-17	04-Sep-17	05-Sep-17	0%	0%	-2	
A57610	Concreting 2/F Slab & Beam @GL L-H	1	04-Sep-17	04-Sep-17	06-Sep-17	06-Sep-17	0%	0%	-2	
A57640	Rebar fixing of 2/F Slab & Beam @GL H-E	3	04-Sep-17	06-Sep-17	06-Sep-17	08-Sep-17	0%	0%	-2	
A57620	Concrete Curing 2/F Slab & Beam @GL L-H	3	05-Sep-17	07-Sep-17	07-Sep-17	09-Sep-17	0%	0%	-2	
A57660	Concreting 2/F Slab & Beam @GL H-E	1	07-Sep-17	07-Sep-17	09-Sep-17	09-Sep-17	0%	0%	-2	
A57670	Concrete Curing 2/F Slab & Beam @GL H-E	3	08-Sep-17	10-Sep-17	10-Sep-17	12-Sep-17	0%	0%	-2	
RC Works for 3/F Beams (2 nos.)										
A18110	Falseworks for 3/F Beams RC Works @GL L-H	5	26-Aug-17	31-Aug-17	28-Aug-17	01-Sep-17	0%	0%	-1	
A18115	Rebar fixing of 3/F Beams @GL L-H	3	01-Sep-17	04-Sep-17	02-Sep-17	05-Sep-17	0%	0%	-1	
A18180	Falseworks for 3/F Beams RC Works @GL H-E	5	01-Sep-17	06-Sep-17	02-Sep-17	07-Sep-17	0%	0%	-1	
A18120	Formworks of 3/F Beams @GL L-H	3	05-Sep-17	07-Sep-17	06-Sep-17	08-Sep-17	0%	0%	-1	
A18130	Concreting 3/F Beams @GL L-H	1	08-Sep-17	08-Sep-17	09-Sep-17	09-Sep-17	0%	0%	-1	



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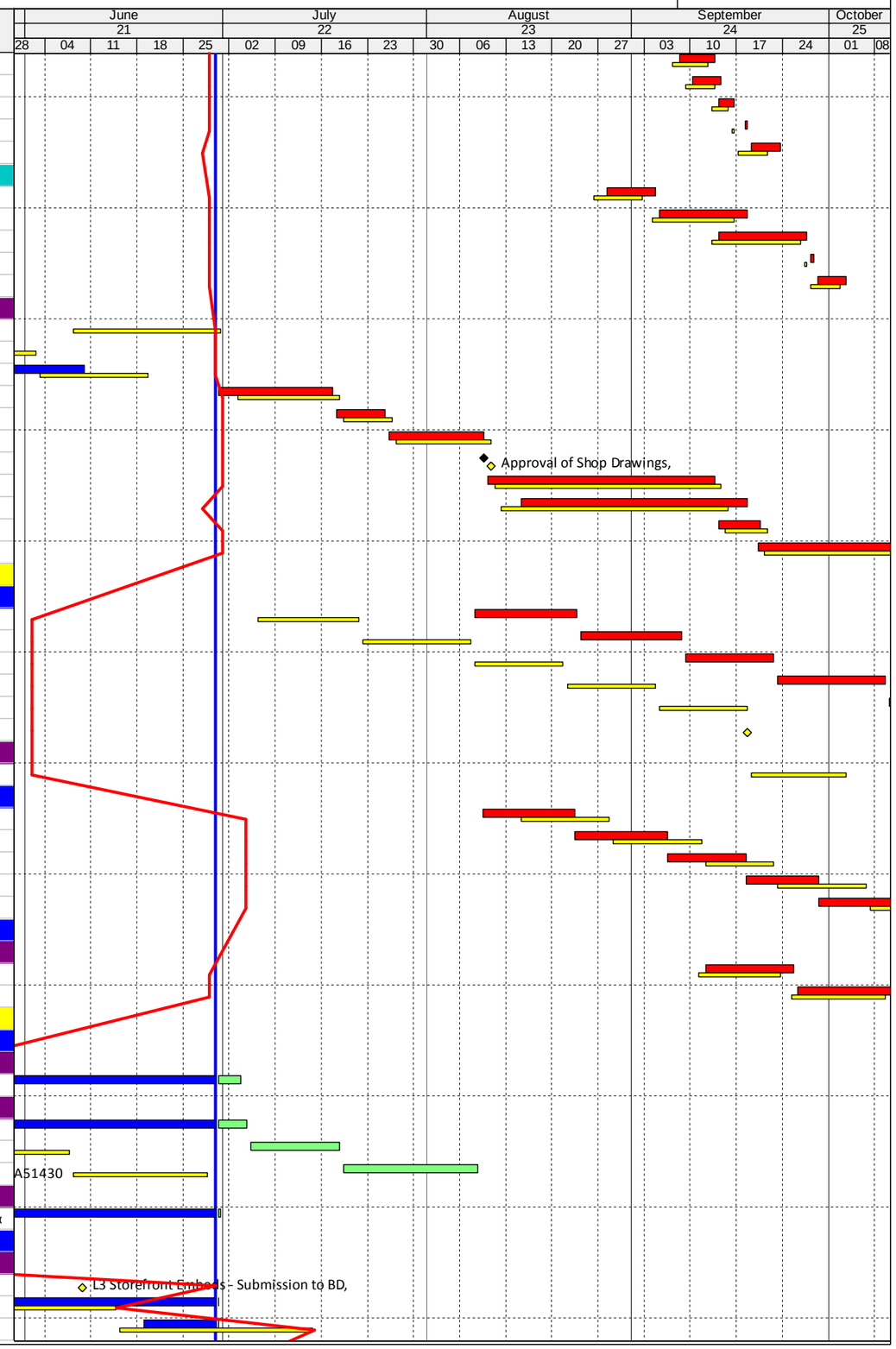
Three Months Rolling Programme (3MRP) - Mth 21 - 30 June 2017

Activity ID	Activity Name	CMWP Dur.	CMWP - R0.D5 Start	CMWP -R0.D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	Comments / Mitigating Measures
A18190	Rebar fixing of 3/F Beams @GL H-E	5	07-Sep-17	12-Sep-17	08-Sep-17	13-Sep-17	0%	0%	-1	
A18140	Concrete Curing 3/F Beams @GL L-H	5	09-Sep-17	13-Sep-17	10-Sep-17	14-Sep-17	0%	0%	-1	
A18200	Formworks of 3/F Beams @GL H-E	3	13-Sep-17	15-Sep-17	14-Sep-17	16-Sep-17	0%	0%	-1	
A18230	Concreting 3/F Beams @GL H-E	1	16-Sep-17	16-Sep-17	18-Sep-17	18-Sep-17	0%	0%	-1	
A18240	Concrete Curing 3/F Beams @GL H-E	5	17-Sep-17	21-Sep-17	19-Sep-17	23-Sep-17	0%	0%	-2	
RC Works for 3/F Wall, Column & Upper Slab (In-fill)										
A50455	Scaffolding for 3/F Upper Slab RC Works	7	26-Aug-17	02-Sep-17	28-Aug-17	04-Sep-17	0%	0%	-1	
A50460	Rebar fixing of 3/F Upper Slab	12	04-Sep-17	16-Sep-17	05-Sep-17	18-Sep-17	0%	0%	-1	
A50470	Formworks of 3/F Upper Slab	12	13-Sep-17	26-Sep-17	14-Sep-17	27-Sep-17	0%	0%	-1	
A50480	Concreting 3/F Upper Slab	1	27-Sep-17	27-Sep-17	28-Sep-17	28-Sep-17	0%	0%	-1	
A50490	Concrete Curing 3/F Upper Slab	5	28-Sep-17	02-Oct-17	29-Sep-17	03-Oct-17	0%	0%	-1	
Spiral Staircase Construction										
A58980	Preparation of Shop Drawing	20	08-Jun-17	30-Jun-17	25-Apr-17	10-May-17 A	95%	100%	44	
A58960	Review Drawing and Raise RFI	11	20-May-17	02-Jun-17	29-Dec-16	22-May-17 A	100%	100%	10	
A58970	RFI Response	14	03-Jun-17	19-Jun-17	19-Jan-17	10-Jun-17 A	100%	100%	8	
A58990	1st Review of Shop Drawings by MJV/Atkins	14	03-Jul-17	18-Jul-17	30-Jun-17	17-Jul-17	0%	0%	1	
A59000	Re-submission of shop drawing	7	19-Jul-17	26-Jul-17	18-Jul-17	25-Jul-17	0%	0%	1	
A59010	2nd Review of Shop Drawings by MJV/Atkins	13	27-Jul-17	10-Aug-17	26-Jul-17	09-Aug-17	0%	0%	1	
A59020	Approval of Shop Drawings	0		10-Aug-17		09-Aug-17	0%	0%	1	
A59030	Staircase Fabrication	30	11-Aug-17	14-Sep-17	10-Aug-17	13-Sep-17	0%	0%	1	
A59050	Installation of cast-in bolts	30	12-Aug-17	15-Sep-17	15-Aug-17	18-Sep-17	0%	0%	-2	
A59040	Trial Assembly	6	15-Sep-17	21-Sep-17	14-Sep-17	20-Sep-17	0%	0%	1	
A59060	Indtallation of Staircase	20	21-Sep-17	16-Oct-17	20-Sep-17	14-Oct-17	0%	0%	1	
M+ Tower Structure RC Works										
Tower Structure - West Core Wall (Non-deferred Zone M) @ GL 7-8/A-E										
A42960	4F-5F Wall, Column & 5F slab (GL 7-8/A-E)	14	06-Jul-17	21-Jul-17	08-Aug-17	23-Aug-17	0%	0%	-28	
A42970	5F-6F Wall, Column & 6F slab (GL 7-8/A-E)	14	22-Jul-17	07-Aug-17	24-Aug-17	08-Sep-17	0%	0%	-28	
A42980	6F-7F Wall, Column & 7F slab (GL 7-8/A-E)	12	08-Aug-17	21-Aug-17	09-Sep-17	22-Sep-17	0%	0%	-28	
A42990	7F-8F Wall, Column & 8F slab (GL 7-8/A-E)	12	22-Aug-17	04-Sep-17	23-Sep-17	09-Oct-17	0%	0%	-28	
A43220	8F-9F Wall, Column & 9F slab (GL 7-8/A-E)	12	05-Sep-17	18-Sep-17	10-Oct-17	23-Oct-17	0%	0%	-28	
A43240	Complete West Core Wall Structure to 9F slab	0		18-Sep-17		23-Oct-17	0%	0%	-28	
Tower Structure - West Core Wall @GL7-8/A-E (TC2 TIE TO WCW)										
A37565	9F-10F Wall, Column & 10F slab (GL 7-8/A-E)	12	19-Sep-17	03-Oct-17	24-Oct-17	07-Nov-17	0%	0%	-28	
Tower Structure - East Core Wall (Non-deferred Zone N) @ GL 7-8/L-M										
A43000	4F-5F Wall, Column & 5F slab (GL 7-8/L-M)	12	15-Aug-17	28-Aug-17	09-Aug-17	23-Aug-17	0%	0%	5	
A43010	5F-6F Wall, Column & 6F slab (GL 7-8/L-M)	12	29-Aug-17	11-Sep-17	23-Aug-17	06-Sep-17	0%	0%	5	
A43020	6F-7F Wall, Column & 7F slab (GL 7-8/L-M)	10	12-Sep-17	22-Sep-17	06-Sep-17	18-Sep-17	0%	0%	5	
A43030	7F-8F Wall, Column & 8F slab (GL 7-8/L-M)	10	23-Sep-17	06-Oct-17	18-Sep-17	29-Sep-17	0%	0%	5	
A43040	8F-9F Wall, Column & 9F slab (GL 7-8/L-M)	10	07-Oct-17	18-Oct-17	29-Sep-17	13-Oct-17	0%	0%	5	
Tower Structure (Deferred Zone F - 4F to RF) @ GL 7-8/E-L										
Tower Structure-Deferred Zone F @ GL 7-8/E-L (TC2 TIE TO WCW)										
A37760	4F-5F Wall, Column & 5F slab (GL 7-8/E-L)	12	11-Sep-17	23-Sep-17	12-Sep-17	25-Sep-17	0%	0%	-1	
A37770	5F-6F Wall, Column & 6F slab (GL 7-8/E-L)	11	25-Sep-17	09-Oct-17	26-Sep-17	10-Oct-17	0%	0%	-1	
M+ Podium & Tower FACADE Preliminaries										
SHOP DRAWING SUBMISSIONS FACADE SYSTEM & EMBEDS										
SHOP DRAWING - Glass Wall with T Mullion										
A51280	2nd Shopdrawing Submission - Review & Approval	21	19-Apr-17	09-May-17	19-Apr-17	03-Jul-17	100%	81%	-55	
SHOP DRAWING - Metal Cladding FAC-LV-01a/FAC-LV-01b (Additional Scope)										
A51410	1st Shopdrawing Submission - Review & Approval	21	11-Apr-17	01-May-17	11-Apr-17	04-Jul-17	100%	76.19%	-64	
A51420	2nd Shopdrawing Submission	14	25-May-17	07-Jun-17	05-Jul-17	18-Jul-17	100%	0%	-41	
A51430	2nd Shopdrawing Submission - Review & Approval	21	08-Jun-17	28-Jun-17	19-Jul-17	08-Aug-17	100%	0%	-41	
SHOP DRAWING - Tower Facade Lighting										
A51450	3rd Shopdrawing Submission - Review & Approval	31	30-Nov-16	30-Dec-16	30-Nov-16	30-Jun-17	100%	96.77%	-182	4th round submission t
BD SUBMISSIONS FACADE SYSTEM & EMBEDS										
BD Submission - L3 Storefront System & Embed										
A51540	L3 Storefront Embeds - Submission to BD	0		09-Jun-17		15-Apr-17 A	100%	100%	43	
A51550	L3 Storefront Embeds - BD Approval	60	16-Apr-17	14-Jun-17	16-Apr-17	30-Jun-17	100%	100%	-15	
A51560	L3 Storefront Embeds - Concent	30	15-Jun-17	14-Jul-17	19-Jun-17	30-Jun-17	50%	100%	15	



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Three Months Rolling Programme (3MRP) - Mth 21 - 30 June 2017

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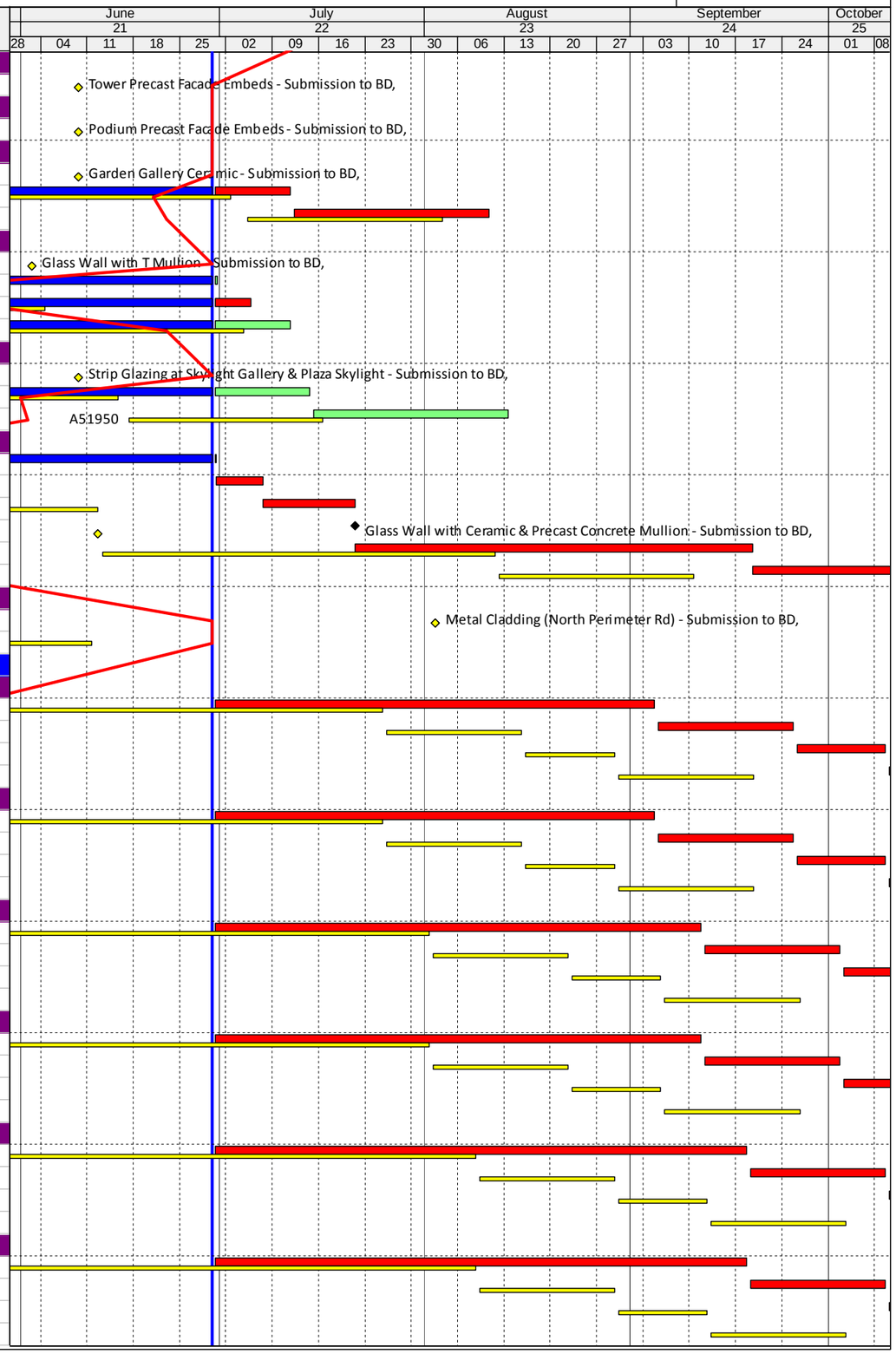
BD Submission - Tower Precast Facade System & Embed										
A51610	Tower Precast Facade Embeds - Submission to BD	0		09-Jun-17		09-Jan-17 A	100%	100%	121	
BD Submission - Podium Precast Facade System & Embed										
A51680	Podium Precast Facade Embeds - Submission to BD	0		09-Jun-17		09-Jan-17 A	100%	100%	121	
BD Submission - Garden Gallery Ceramic Cladding System & Embed										
A51770	Garden Gallery Ceramic - Submission to BD	0		09-Jun-17		03-May-17 A	100%	100%	31	
A51780	Garden Gallery Ceramic - BD Approval	60	04-May-17	02-Jul-17	04-May-17	11-Jul-17	95%	80%	-9	
A51790	Garden Gallery Ceramic - Concent	30	05-Jul-17	03-Aug-17	12-Jul-17	10-Aug-17	0%	0%	-7	
BD Submission - Glass Wall with T Mullion System & Embed										
A51850	Glass Wall with T Mullion - Submission to BD	0		02-Jun-17		06-May-17 A	100%	100%	22	
A51830	2nd Submission - Review & Approval by MJV (w/ RSE Er	14	06-May-17	19-May-17	06-May-17	30-Jun-17	100%	92.86%	-42	50% as embeds are pre
A51870	Glass Wall with T Mullion - Concent	30	06-May-17	04-Jun-17	06-May-17	05-Jul-17	100%	80%	-31	50% as embeds are pre
A51860	Glass Wall with T Mullion - BD Approval	60	06-May-17	04-Jul-17	06-May-17	11-Jul-17	91.67%	80%	-7	50% as embeds are pre
BD Submission - Strip Glazing at Skylight Gallery & Plaza Skylight at L3 System & Embed										
A51920	Strip Glazing at Skylight Gallery & Plaza Skylight - Submi	0		09-Jun-17		15-Apr-17 A	100%	100%	43	
A51930	Strip Glazing at Skylight Gallery & Plaza Skylight - BD Ap	60	17-Apr-17	15-Jun-17	17-Apr-17	14-Jul-17	100%	75%	-29	
A51950	Strip Glazing at Skylight Gallery & Plaza Skylight - Conce	30	17-Jun-17	16-Jul-17	15-Jul-17	13-Aug-17	43.33%	0%	-28	
BD Submission - Glass Wall with Ceramic/Precast Concrete Mullion, Concrete Tube & Perforated Claddin										
A51970	1st Submission - Review & Approval by MJV	14	11-Apr-17	24-Apr-17	11-Apr-17	30-Jun-17	100%	95%	-67	
A51980	2nd Submission	7	23-May-17	29-May-17	30-Jun-17	07-Jul-17	100%	0%	-39	
A51990	2nd Submission - Review & Approval by MJV (w/ RSE Er	14	30-May-17	12-Jun-17	07-Jul-17	21-Jul-17	100%	0%	-39	
A52000	Glass Wall with Ceramic & Precast Concrete Mullion - Su	0		12-Jun-17		21-Jul-17	100%	0%	-33	
A52010	Glass Wall with Ceramic & Precast Concrete Mullion - BI	60	13-Jun-17	11-Aug-17	21-Jul-17	19-Sep-17	28.33%	0%	-39	
A52020	Glass Wall with Ceramic & Precast Concrete Mullion - Cc	30	12-Aug-17	10-Sep-17	19-Sep-17	19-Oct-17	0%	0%	-39	
BD Submission - Metal Cladding FAC-LV-01a/FAC-LV-01b (North Perimeter Rd)										
A52090	Metal Cladding (North Perimeter Rd) - Submission to BD	0		02-Aug-17		26-Apr-17 A	0%	100%	80	
A52100	Metal Cladding (North Perimeter Rd) - BD Approval	60	13-Apr-17	11-Jun-17	13-Apr-17	26-Apr-17 A	100%	100%	46	
SHOPDRAWING SUBMISSIONS - FACADE DOORS										
Facade Doors Package #1 - Glazed door between Ceramic Concrete Mullion - Total No. of Doors = 53										
A52120	1st Shopdrawing Submission	67	20-May-17	25-Jul-17	30-Jun-17*	04-Sep-17	61.19%	0%	-41	
A52130	1st Shopdrawing Submission - Review & Approval	21	26-Jul-17	15-Aug-17	05-Sep-17	25-Sep-17	0%	0%	-41	
A52140	2nd Shopdrawing Submission	14	16-Aug-17	29-Aug-17	26-Sep-17	09-Oct-17	0%	0%	-41	
A52160	2nd Shopdrawing Submission - Review & Approval	21	30-Aug-17	19-Sep-17	10-Oct-17	30-Oct-17	0%	0%	-41	
Facade Doors Package #2 - Sliding door at L3 Storefront - Total No. of Doors = 4										
A52170	1st Shopdrawing Submission	67	20-May-17	25-Jul-17	30-Jun-17*	04-Sep-17	61.19%	0%	-41	
A52180	1st Shopdrawing Submission - Review & Approval	21	26-Jul-17	15-Aug-17	05-Sep-17	25-Sep-17	0%	0%	-41	
A52190	2nd Shopdrawing Submission	14	16-Aug-17	29-Aug-17	26-Sep-17	09-Oct-17	0%	0%	-41	
A52200	2nd Shopdrawing - Review & Approval	21	30-Aug-17	19-Sep-17	10-Oct-17	30-Oct-17	0%	0%	-41	
Facade Doors Package #3 - Swing Door at L3 Cafe- Total No. of Doors = 1										
A52210	1st Shopdrawing Submission	74	20-May-17	01-Aug-17	30-Jun-17*	11-Sep-17	55.41%	0%	-41	
A52220	1st Shopdrawing Submission - Review & Approval	21	02-Aug-17	22-Aug-17	12-Sep-17	02-Oct-17	0%	0%	-41	
A52230	2nd Shopdrawing Submission	14	23-Aug-17	05-Sep-17	03-Oct-17	16-Oct-17	0%	0%	-41	
A52250	2nd Shopdrawing Submission - Review & Approval	21	06-Sep-17	26-Sep-17	17-Oct-17	06-Nov-17	0%	0%	-41	
Facade Doors Package #4 - Swing Door mounted in GW with T Mullion - Total No. of Doors = 29										
A52260	1st Shopdrawing Submission	74	20-May-17	01-Aug-17	30-Jun-17*	11-Sep-17	55.41%	0%	-41	
A52270	1st Shopdrawing Submission - Review & Approval	21	02-Aug-17	22-Aug-17	12-Sep-17	02-Oct-17	0%	0%	-41	
A52280	2nd Shopdrawing Submission	14	23-Aug-17	05-Sep-17	03-Oct-17	16-Oct-17	0%	0%	-41	
A52290	2nd Shopdrawing Submission - Review & Approval	21	06-Sep-17	26-Sep-17	17-Oct-17	06-Nov-17	0%	0%	-41	
Facade Doors Package #5 - Large double door at B1 Transformer Room - Total No. of Doors = 1										
A52300	1st Shopdrawing Submission	81	20-May-17	08-Aug-17	30-Jun-17*	18-Sep-17	50.62%	0%	-41	
A52310	1st Shopdrawing Submission - Review & Approval	21	09-Aug-17	29-Aug-17	19-Sep-17	09-Oct-17	0%	0%	-41	
A52320	2nd Shopdrawing Submission	14	30-Aug-17	12-Sep-17	10-Oct-17	23-Oct-17	0%	0%	-41	
A52340	2nd Shopdrawing Submission - Review & Approval	21	13-Sep-17	03-Oct-17	24-Oct-17	13-Nov-17	0%	0%	-41	
Facade Doors Package #6 - B1 Exit Door - Total No. of Doors = 7 (7 x Manual)										
A52350	1st Shopdrawing Submission	81	20-May-17	08-Aug-17	30-Jun-17*	18-Sep-17	50.62%	0%	-41	
A52360	1st Shopdrawing Submission - Review & Approval	21	09-Aug-17	29-Aug-17	19-Sep-17	09-Oct-17	0%	0%	-41	
A52370	2nd Shopdrawing Submission	14	30-Aug-17	12-Sep-17	10-Oct-17	23-Oct-17	0%	0%	-41	
A52380	2nd Shopdrawing Submission - Review & Approval	21	13-Sep-17	03-Oct-17	24-Oct-17	13-Nov-17	0%	0%	-41	



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Three Months Rolling Programme (3MRP) - Mth 21 - 30 June 2017

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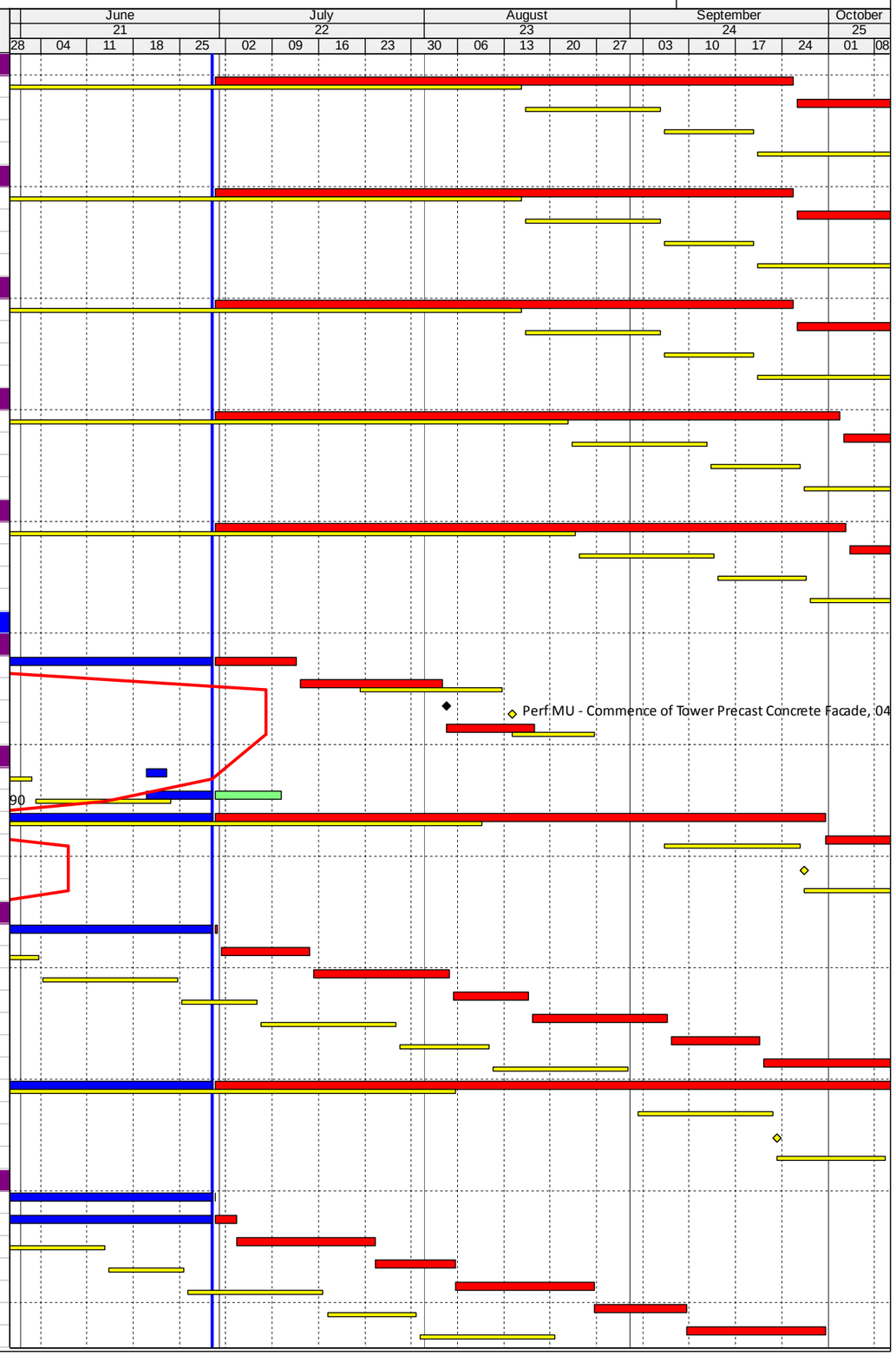
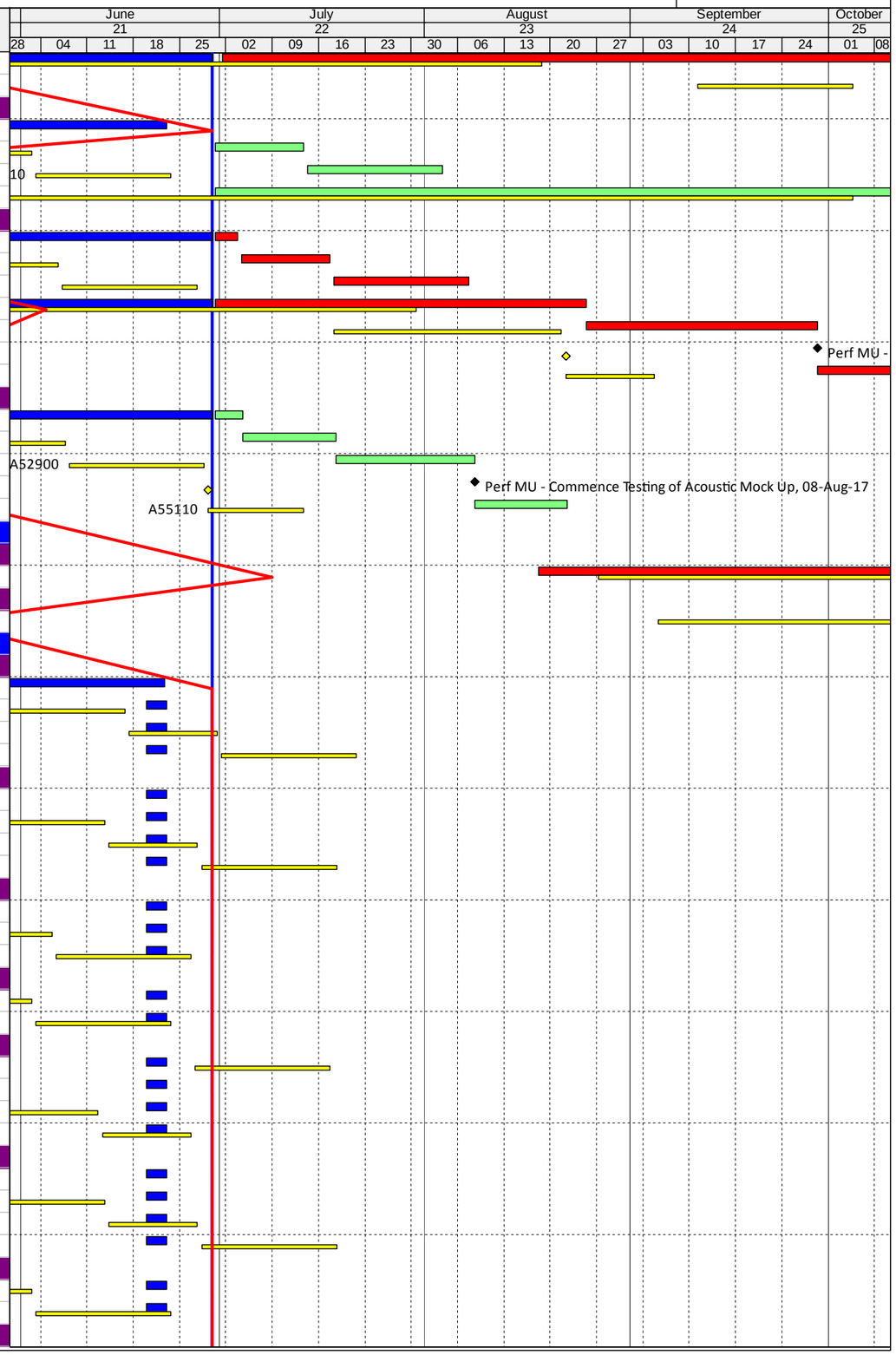
Facade Doors Package #7 - Garden Gallery Door - Total No.of Doors = 2 (2 x Manual)										
A52390	1st Shopdrawing Submission	88	20-May-17	15-Aug-17	30-Jun-17*	25-Sep-17	46.59%	0%	-41	
A52400	1st Shopdrawing Submission - Review & Approval	21	16-Aug-17	05-Sep-17	26-Sep-17	16-Oct-17	0%	0%	-41	
A52410	2nd Shopdrawing Submission	14	06-Sep-17	19-Sep-17	17-Oct-17	30-Oct-17	0%	0%	-41	
A52430	2nd Shopdrawing Submission - Review & Approval	21	20-Sep-17	10-Oct-17	31-Oct-17	20-Nov-17	0%	0%	-41	
Facade Doors Package #8 - Doors located in Metal Cladding - Total No.of Doors =20 (20 x Manual)										
A52440	1st Shopdrawing Submission	88	20-May-17	15-Aug-17	30-Jun-17*	25-Sep-17	46.59%	0%	-41	
A52450	1st Shopdrawing Submission - Review & Approval	21	16-Aug-17	05-Sep-17	26-Sep-17	16-Oct-17	0%	0%	-41	
A52460	2nd Shopdrawing Submission	14	06-Sep-17	19-Sep-17	17-Oct-17	30-Oct-17	0%	0%	-41	
A52470	2nd Shopdrawing Submission - Review & Approval	21	20-Sep-17	10-Oct-17	31-Oct-17	20-Nov-17	0%	0%	-41	
Facade Doors Package #9 - GF Lobby Access Door in Ceramic Tube - Total No.of Doors = 8										
A52480	1st Shopdrawing Submission	88	20-May-17	15-Aug-17	30-Jun-17*	25-Sep-17	46.59%	0%	-41	
A52490	1st Shopdrawing Submission - Review & Approval	21	16-Aug-17	05-Sep-17	26-Sep-17	16-Oct-17	0%	0%	-41	
A52500	2nd Shopdrawing Submission	14	06-Sep-17	19-Sep-17	17-Oct-17	30-Oct-17	0%	0%	-41	
A52520	2nd Shopdrawing Submission - Review & Approval	21	20-Sep-17	10-Oct-17	31-Oct-17	20-Nov-17	0%	0%	-41	
Facade Doors Package #10 - B1 Carriageway Access Panel & Doors - Total No. of Doors = 24										
A52530	1st Shopdrawing Submission	95	20-May-17	22-Aug-17	30-Jun-17*	02-Oct-17	43.16%	0%	-41	
A52540	1st Shopdrawing Submission - Review & Approval	21	23-Aug-17	12-Sep-17	03-Oct-17	23-Oct-17	0%	0%	-41	
A52550	2nd Shopdrawing Submission	14	13-Sep-17	26-Sep-17	24-Oct-17	06-Nov-17	0%	0%	-41	
A52560	2nd Shopdrawing Submission - Review & Approval	21	27-Sep-17	17-Oct-17	07-Nov-17	27-Nov-17	0%	0%	-41	
Facade Doors Package #12 - B1 Smoke Vent Panel - Total No. of Doors = 1										
A52580	1st Shopdrawing Submission	96	20-May-17	23-Aug-17	30-Jun-17*	03-Oct-17	42.71%	0%	-41	
A52590	1st Shopdrawing Submission - Review & Approval	21	24-Aug-17	13-Sep-17	04-Oct-17	24-Oct-17	0%	0%	-41	
A52600	2nd Shopdrawing Submission	14	14-Sep-17	27-Sep-17	25-Oct-17	07-Nov-17	0%	0%	-41	
A52610	2nd Shopdrawing Submission - Review & Approval	21	28-Sep-17	18-Oct-17	08-Nov-17	28-Nov-17	0%	0%	-41	
PERFORMANCE TEST - SHOPDRAWING SUBMISSION, FABRICATION, INSTALLATION & TEST										
PMU SHOPDRAWING SUBMISSION & TEST - Tower Facade Precast Panel										
A54620	Perf MU - Precast Concrete Facade Ordering & Productic	173	07-Dec-16	28-May-17	07-Dec-16	12-Jul-17	100%	92.49%	-45	
A54630	Perf MU - Precast Concrete Facade Installation	19	22-Jul-17	12-Aug-17	13-Jul-17	03-Aug-17	0%	0%	8	
A54640	Perf MU - Commence of Tower Precast Concrete Facade	0	14-Aug-17		04-Aug-17		0%	0%	8	
A54645	Perf MU - Testing & Report Submission of Tower Precast	12	14-Aug-17	26-Aug-17	04-Aug-17	17-Aug-17	0%	0%	8	
PMU SHOPDRAWING SUBMISSION & TEST - Podium Facade Precast Panel										
A55180	Perf MU - 2nd Podium Facade Test Proposal Submission	14	20-May-17	02-Jun-17	20-Jun-17	23-Jun-17 A	100%	100%	-20	
A55190	Perf MU - 2nd Podium Facade Test Proposal Review & A	21	03-Jun-17	23-Jun-17	20-Jun-17	10-Jul-17	100%	52%	-16	
A54650	Perf MU - Podium Facade Precast Concrete + Curtain Wa	160	03-Mar-17	09-Aug-17	03-Mar-17	30-Sep-17	74.38%	42%	-52	
A54660	Perf MU - Podium Facade Precast Concrete + Curtain Wa	18	06-Sep-17	26-Sep-17	30-Sep-17	24-Oct-17	0%	0%	-22	
A54670	Perf MU - Commence Testing of Podium Facade PC+CW	0	27-Sep-17		24-Oct-17		0%	0%	-22	
A54680	Perf MU - Testing & Report Submission of Podium Facad	12	27-Sep-17	12-Oct-17	24-Oct-17	08-Nov-17	0%	0%	-22	
PMU SHOPDRAWING SUBMISSION & TEST - Kinked Glass with T Mullion										
A52720	Perf MU - 1st Shopdrawing Submission - Review & Appr	21	05-Apr-17	25-Apr-17	05-Apr-17	30-Jun-17	100%	95.24%	-66	
A52730	Perf MU - 2nd Shopdrawing Submission	14	21-May-17	03-Jun-17	01-Jul-17	14-Jul-17	100%	0%	-41	
A52740	Perf MU - 2nd Shopdrawing Submission - Review & App	21	04-Jun-17	24-Jun-17	15-Jul-17	04-Aug-17	100%	0%	-41	
A55200	Perf MU - 1st GW with T Mullion Test Proposal Submissi	12	25-Jun-17	06-Jul-17	05-Aug-17	16-Aug-17	41.67%	0%	-41	
A55210	Perf MU - 1st GW with T Mullion Test Proposal Review &	21	07-Jul-17	27-Jul-17	17-Aug-17	06-Sep-17	0%	0%	-41	
A55220	Perf MU - 2nd GW with T Mullion Test Proposal Submiss	14	28-Jul-17	10-Aug-17	07-Sep-17	20-Sep-17	0%	0%	-41	
A55230	Perf MU - 2nd GW with T Mullion Test Proposal Review	21	11-Aug-17	31-Aug-17	21-Sep-17	11-Oct-17	0%	0%	-41	
A54700	Perf MU - GW with T Mullion + Reflective Glass Orderin	123	05-Apr-17	05-Aug-17	05-Apr-17	12-Oct-17	69.92%	14.63%	-68	
A54710	Perf MU - GW with T Mullion + Reflective Glass Installat	18	02-Sep-17	22-Sep-17	13-Oct-17	03-Nov-17	0%	0%	-33	
A54720	Perf MU - Commence Testing of GW with T Mullion + Re	0	23-Sep-17		04-Nov-17		0%	0%	-33	
A54730	Perf MU - Testing & Report Submission of GW with T Mu	12	23-Sep-17	09-Oct-17	04-Nov-17	17-Nov-17	0%	0%	-33	
PMU SHOPDRAWING SUBMISSION & TEST - Glass Wall with Ceramic Mullions at GF										
A52760	Perf MU - 1st Shopdrawing Submission - Review & Appr	21	11-Apr-17	01-May-17	11-Apr-17	30-Jun-17	100%	100%	-59	
A52770	Perf MU - 2nd Shopdrawing Submission	10	18-May-17	27-May-17	18-May-17	03-Jul-17	100%	62%	-37	
A52780	Perf MU - 2nd Shopdrawing Submission - Review & App	21	24-May-17	13-Jun-17	03-Jul-17	24-Jul-17	100%	0%	-41	
A55240	Perf MU - 1st GW with Ceramic Mullion Test Proposal Su	12	14-Jun-17	25-Jun-17	24-Jul-17	05-Aug-17	100%	0%	-41	
A55250	Perf MU - 1st GW with Ceramic Mullion Test Proposal Re	21	26-Jun-17	16-Jul-17	05-Aug-17	26-Aug-17	19.05%	0%	-41	
A55260	Perf MU - 2nd GW with Ceramic Mullion Test Proposal S	14	17-Jul-17	30-Jul-17	26-Aug-17	09-Sep-17	0%	0%	-41	
A55270	Perf MU - 2nd GW with Ceramic Mullion Test Proposal F	21	31-Jul-17	20-Aug-17	09-Sep-17	30-Sep-17	0%	0%	-41	



Data Date: 30-Jun-17
Layout Name: 01) CMWP - 3MRP (Template)
File Name: Three Months Rolling Programme 3MRP - Mth21 (30 June 2017)

Three Months Rolling Programme (3MRP) - Mth 21 - 30 June 2017

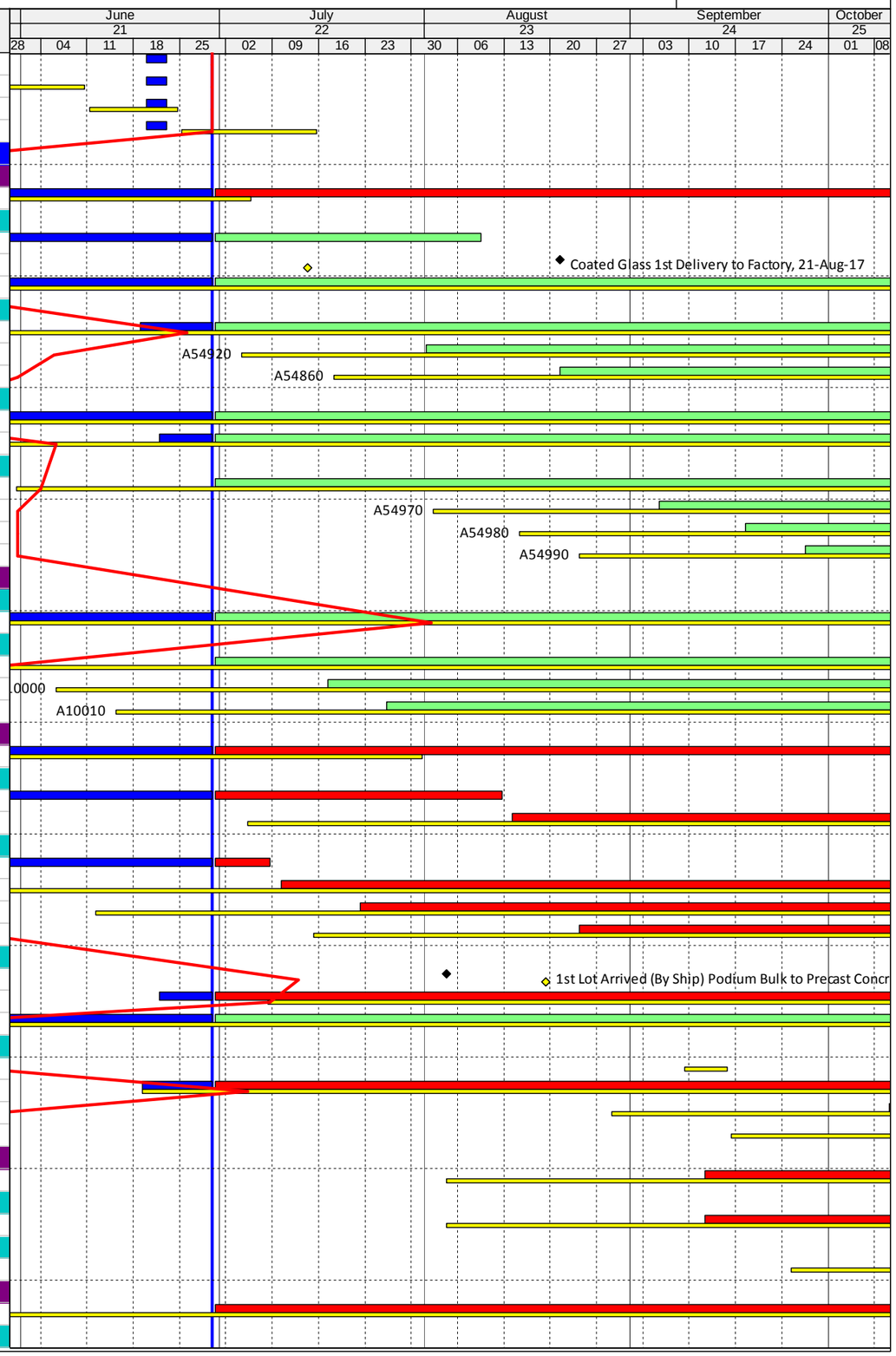
Activity ID	Activity Name	CMWP Dur.	CMWP - R0.D5 Start	CMWP -R0.D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	Comments / Mitigating Measures
A54740	Perf MU - GW with Ceramic Mullion G/F Production & F	130	11-Apr-17	18-Aug-17	11-Apr-17	19-Oct-17	61.54%	15%	-62	
A54750	Perf MU - GW with Ceramic Mullion G/F Installation	20	11-Sep-17	04-Oct-17	19-Oct-17	13-Nov-17	0%	0%	-32	
PMU SHOPDRAWING SUBMISSION & TEST - Vertical Glass Wall at Skylight Gallery										
A52800	Perf MU - 1st Shopdrawing Submission - Review & Appr	21	11-Apr-17	01-May-17	11-Apr-17	23-Jun-17 A	100%	100%	-52	
A55300	Perf MU - 2nd Vertical GW Skylight Gallery Test Proposa	14	20-May-17	02-Jun-17	30-Jun-17	13-Jul-17	100%	0%	-41	
A55310	Perf MU - 2nd Vertical GW Skylight Gallery Test Proposa	21	03-Jun-17	23-Jun-17	14-Jul-17	03-Aug-17	100%	0%	-41	
A54820	Perf MU - Vertical Glass Wall Skylight Gallery Productior	134	24-May-17	04-Oct-17	30-Jun-17	10-Nov-17	27.61%	0%	-37	
PMU SHOPDRAWING SUBMISSION & TEST - Plaza Skylight 3/F Terrace										
A52840	Perf MU - 1st Shopdrawing Submission - Review & Appr	21	11-Apr-17	01-May-17	11-Apr-17	03-Jul-17	100%	80.95%	-63	
A52850	Perf MU - 2nd Shopdrawing Submission	14	24-May-17	06-Jun-17	04-Jul-17	17-Jul-17	100%	0%	-41	
A52860	Perf MU - 2nd Shopdrawing Submission - Review & App	21	07-Jun-17	27-Jun-17	18-Jul-17	07-Aug-17	100%	0%	-41	
A54780	Perf MU - Plaza Skylight 3/F Terrace Production & Fabric	117	05-Apr-17	30-Jul-17	05-Apr-17	25-Aug-17	73.5%	52%	-25	
A54790	Perf MU - Plaza Skylight 3/F Terrace Installation	30	18-Jul-17	21-Aug-17	25-Aug-17	29-Sep-17	0%	0%	-33	
A54800	Perf MU - Commence Testing of Plaza Skylight 3/F Terrac	0	22-Aug-17		29-Sep-17		0%	0%	-33	
A54810	Perf MU - Testing & Report Submission of Plaza Skylight	12	22-Aug-17	04-Sep-17	29-Sep-17	16-Oct-17	0%	0%	-33	
PMU SHOPDRAWING SUBMISSION & TEST - Acoustic Mock up										
A52880	Perf MU - 2nd Shopdrawing Submission - Review & App	21	11-Apr-17	01-May-17	11-Apr-17	04-Jul-17	100%	78%	-64	
A52890	Perf MU - 3rd Shopdrawing Submission	14	25-May-17	07-Jun-17	04-Jul-17	18-Jul-17	100%	0%	-41	
A52900	Perf MU - 3rd Shopdrawing Submission - Review & Appı	21	08-Jun-17	28-Jun-17	18-Jul-17	08-Aug-17	100%	0%	-41	
A55100	Perf MU - Commence Testing of Acoustic Mock Up	0	29-Jun-17		08-Aug-17		100%	0%	-34	
A55110	Perf MU - Testing & Report Submission of Acoustic Mock	12	29-Jun-17	13-Jul-17	08-Aug-17	22-Aug-17	8.33%	0%	-34	
PRODUCTION MOCK UP & INSPECTION										
Prod MU - Tower Facade Precast Panel										
A55360	Tower Precast Concrete & Curtain Wall Prod MU	60	27-Aug-17	25-Oct-17	18-Aug-17	16-Oct-17	0%	0%	9	
Prod MU - Plaza Skylight 3/F Terrace										
A55460	Plaza Skylight Prod MU	60	05-Sep-17	03-Nov-17	16-Oct-17	15-Dec-17	0%	0%	-41	
BIM MODEL SUBMISSION										
BIM MODEL SUBMISSION - Tower Facade Precast Panel (MPLUS-BIM-D003)										
A52920	5th BIM Model Submission	149	20-Sep-16	15-Feb-17	20-Sep-16	22-Jun-17 A	100%	100%	-127	No BIM Approval requir
A52930	5th BIM Model Submission - Review & Approval	21	27-May-17	16-Jun-17	20-Jun-17	23-Jun-17 A	100%	100%	-6	No BIM Approval requir
A52940	6th BIM Model Submission	14	17-Jun-17	30-Jun-17	20-Jun-17	23-Jun-17 A	92.86%	100%	8	No BIM Approval requir
A52950	6th BIM Model Submission - Review & Approval	21	01-Jul-17	21-Jul-17	20-Jun-17	23-Jun-17 A	0%	100%	29	No BIM Approval requir
BIM MODEL SUBMISSION - Podium Facade Panel (MPLUS-BIM-D004)										
A52960	3rd BIM Model Submission	209	15-Jul-16	08-Feb-17	20-Jun-17	23-Jun-17 A	100%	100%	-134	No BIM Approval requir
A52970	3rd BIM Model Submission - Review & Approval	21	24-May-17	13-Jun-17	20-Jun-17	23-Jun-17 A	100%	100%	-9	No BIM Approval requir
A52980	4th BIM Model Submission	14	14-Jun-17	27-Jun-17	20-Jun-17	23-Jun-17 A	100%	100%	5	No BIM Approval requir
A52990	4th BIM Model Submission - Review & Approval	21	28-Jun-17	18-Jul-17	20-Jun-17	23-Jun-17 A	9.52%	100%	26	No BIM Approval requir
BIM MODEL SUBMISSION - Glass Wall with T Mullion										
A53010	1st BIM Model Submission - Review & Approval	21	04-Apr-17	24-Apr-17	20-Jun-17	23-Jun-17 A	100%	100%	-59	No BIM Approval requir
A53020	2nd BIM Model Submission	14	23-May-17	05-Jun-17	20-Jun-17	23-Jun-17 A	100%	100%	-17	No BIM Approval requir
A53030	2nd BIM Model Submission - Review & Approval	21	06-Jun-17	26-Jun-17	20-Jun-17	23-Jun-17 A	100%	100%	4	No BIM Approval requir
BIM MODEL SUBMISSION -Ceramic Concrete Tubes & Perforated Cladding										
A53100	2nd BIM Model Submission	14	20-May-17	02-Jun-17	20-Jun-17	23-Jun-17 A	100%	100%	-20	No BIM Approval requir
A53110	2nd BIM Model Submission - Review & Approval	21	03-Jun-17	23-Jun-17	20-Jun-17	23-Jun-17 A	100%	100%	1	No BIM Approval requir
BIM MODEL SUBMISSION - Strip Glazing at Skylight Gallery & Plaza Skylight at L3 (MPLUS-BIM-D006) & (										
A53150	4th BIM Model Submission - Review & Approval	21	27-Jun-17	17-Jul-17	20-Jun-17	23-Jun-17 A	14.29%	100%	25	No BIM Approval requir
A53120	3rd BIM Model Submission	76	06-Oct-16	20-Dec-16	20-Jun-17	23-Jun-17 A	100%	100%	-184	No BIM Approval requir
A53130	3rd BIM Model Submission - Review & Approval	21	23-May-17	12-Jun-17	20-Jun-17	23-Jun-17 A	100%	100%	-10	No BIM Approval requir
A53140	4th BIM Model Submission	14	13-Jun-17	26-Jun-17	20-Jun-17	23-Jun-17 A	100%	100%	4	No BIM Approval requir
BIM MODEL SUBMISSION -L3 Storefront (MPLUS-BIM-D001)										
A53160	5th BIM Model Submission	98	14-Sep-16	20-Dec-16	20-Jun-17	23-Jun-17 A	100%	100%	-184	No BIM Approval requir
A53170	5th BIM Model Submission - Review & Approval	21	24-May-17	13-Jun-17	20-Jun-17	23-Jun-17 A	100%	100%	-9	No BIM Approval requir
A53180	6th BIM Model Submission	14	14-Jun-17	27-Jun-17	20-Jun-17	23-Jun-17 A	100%	100%	5	No BIM Approval requir
A53190	6th BIM Model Submission - Review & Approval	21	28-Jun-17	18-Jul-17	20-Jun-17	23-Jun-17 A	9.52%	100%	26	No BIM Approval requir
BIM MODEL SUBMISSION - Garden Gallery Ceramic Cladding (MPLUS-BIM-D002)										
A53220	2nd BIM Model Submission	14	20-May-17	02-Jun-17	20-Jun-17	23-Jun-17 A	100%	100%	-20	No BIM Approval requir
A53230	2nd BIM Model Submission - Review & Approval	21	03-Jun-17	23-Jun-17	20-Jun-17	23-Jun-17 A	100%	100%	1	No BIM Approval requir
BIM MODEL SUBMISSION - Metal Cladding FAC-LV-01a/FAC-LV-01b (Additional Scope)										



Data Date: 30-Jun-17
Layout Name: 01) CMWP - 3MRP (Template)
File Name: Three Months Rolling Programme 3MRP - Mth21 (30 June 2017)

Three Months Rolling Programme (3MRP) - Mth 21 - 30 June 2017

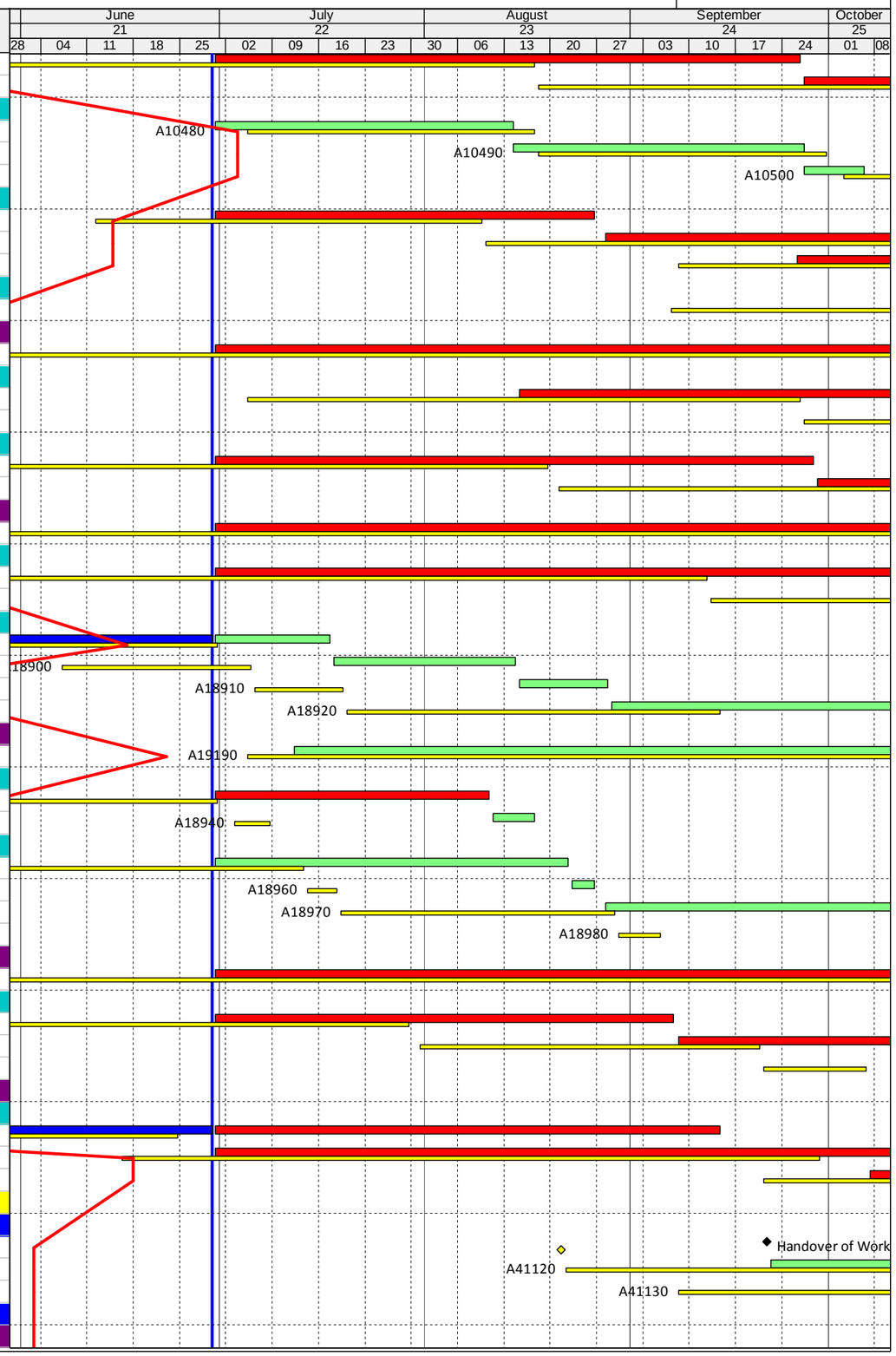
Activity ID	Activity Name	CMWP Dur.	CMWP - R0.D5 Start	CMWP -R0.D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	Comments / Mitigating Measures
A53250	1st BIM Model Submission	70	03-Mar-17	11-May-17	20-Jun-17	23-Jun-17 A	100%	100%	-42	No BIM Approval requir
A53260	1st BIM Model Submission - Review & Approval	21	21-May-17	10-Jun-17	20-Jun-17	23-Jun-17 A	100%	100%	-12	No BIM Approval requir
A53270	2nd BIM Model Submission	14	11-Jun-17	24-Jun-17	20-Jun-17	23-Jun-17 A	100%	100%	2	No BIM Approval requir
A53280	2nd BIM Model Submission - Review & Approval	21	25-Jun-17	15-Jul-17	20-Jun-17	23-Jun-17 A	23.81%	100%	23	No BIM Approval requir
FABRICATION & DELIVERY OF M+ TOWER & PODIUM FACADE SYSTEM										
01A Tower Facade PC+CW (Bulk)										
A54880	Production & Fabrication - Precast Panel for Tower - Sum	229	19-Nov-16	05-Jul-17	19-Nov-16	22-Oct-17	97.38%	50%	-109	
Glass Production & Fabrication										
A54450	Coated Glass Production	108	19-Nov-16	31-Mar-17	19-Nov-16	09-Aug-17	100%	69%	-103	
A54870	Coated Glass 1st Delivery to Factory	0	14-Jul-17		21-Aug-17		0%	0%	-32	
A54460	Fabrication of Glass Panel	206	03-Mar-17	10-Nov-17	03-Mar-17	11-Jan-18	46.12%	22%	-50	
CW Glazed Panel Production & Fabrication										
A54910	Aluminium Extrusion Production	201	20-May-17	18-Jan-18	19-Jun-17	23-Jan-18	16.92%	15%	-4	
A54920	Application of PVF2 Coating	171	04-Jul-17	25-Jan-18	01-Aug-17	26-Feb-18	0%	0%	-24	
A54860	Fabrication & Assemble of Curtain Wall Unit	203	18-Jul-17	21-Mar-18	21-Aug-17	30-Apr-18	0%	0%	-29	
Terracotta Production										
A54940	Terracotta Production - Tower (Bulk)	222	17-Mar-17	13-Dec-17	17-Mar-17	13-Feb-18	37.39%	15%	-50	
A54950	Delivery to Precast Factory	212	25-May-17	05-Feb-18	22-Jun-17	08-Mar-18	14.15%	3%	-24	
Precast Concrete Facade										
A54960	Precast Concrete Mould Making	215	31-May-17	13-Feb-18	30-Jun-17	19-Mar-18	12.09%	0%	-26	
A54970	Concreting of Precast Concrete	190	02-Aug-17	21-Mar-18	05-Sep-17	30-Apr-18	0%	0%	-29	
A54980	Assemble of Curtain Wall to Precast Facade	191	15-Aug-17	09-Apr-18	18-Sep-17	15-May-18	0%	0%	-29	
A54990	Inspection, Packing & Delivery to Site - Tower Facade	191	24-Aug-17	18-Apr-18	27-Sep-17	25-May-18	0%	0%	-29	
01B Tower Lighting (Bulk)										
Procurement & Production (3F to Roof) & Shipment										
A55020	Production - Tower Lighting Bar	189	18-Apr-17	01-Dec-17	16-Apr-17	23-Oct-17	31.75%	49.21%	33	
CW Glazed Panel Production & Fabrication										
A55030	Delivery & Assembly	200	20-May-17	17-Jan-18	30-Jun-17	01-Mar-18	17%	0%	-34	
A10000	IQC Inspection	190	06-Jun-17	20-Jan-18	17-Jul-17	05-Mar-18	11.05%	0%	-34	
A10010	OQC Inspection	190	15-Jun-17	30-Jan-18	26-Jul-17	14-Mar-18	6.84%	0%	-34	
02 Podium Facade PC + CW (Bulk)										
A54470	Production & Fabrication - Precast Panel for Podium	262	12-Nov-16	31-Jul-17	12-Nov-16	24-Jan-18	87.79%	20.23%	-177	
Glass Production & Fabrication										
A10020	Ordering of Coated Glass	106	12-Nov-16	22-Mar-17	12-Nov-16	12-Aug-17	100%	65.09%	-115	
A10030	Fabrication of Insulated Glass Panel	166	05-Jul-17	20-Jan-18	14-Aug-17	05-Mar-18	0%	0%	-34	
CW Glazed Panel Production & Fabrication										
A10040	Die Making - Bulk Production	46	17-Feb-17	12-Apr-17	17-Feb-17	08-Jul-17	100%	84.78%	-68	
A10050	Aluminium Extrusion Production	140	29-May-17	13-Nov-17	10-Jul-17	22-Dec-17	19.29%	0%	-34	
A10060	Application of PVF2 Coating	157	12-Jun-17	15-Dec-17	22-Jul-17	27-Jan-18	10.19%	0%	-34	
A10070	Fabrication & Assemble of Curtain Wall Unit	157	15-Jul-17	20-Jan-18	24-Aug-17	05-Mar-18	0%	0%	-34	
Terracotta Production										
A10170	1st Lot Arrived (By Ship) Podium Bulk to Precast Concret	0	19-Aug-17		04-Aug-17		0%	0%	13	
A10160	Delivery of Terracotta to Precast Factory from Italy (by sh	131	08-Jul-17	11-Dec-17	22-Jun-17	01-Dec-17	0%	2%	9	
A10100	Terracotta Production - Tower (Bulk)	165	24-Apr-17	09-Nov-17	24-Apr-17	08-Jan-18	33.33%	4.24%	-48	
Precast Concrete Facade										
A10180	Curing of 1st Lot	6	09-Sep-17	15-Sep-17	21-Oct-17	27-Oct-17	0%	0%	-34	
A10110	Precast Concrete Mould Making	153	19-Jun-17	18-Dec-17	19-Jun-17	12-Dec-17	6.54%	10%	5	
A10120	Concreting of Precast Concrete	119	29-Aug-17	20-Jan-18	10-Oct-17	05-Mar-18	0%	0%	-34	
A10130	Assemble of Curtain Wall to Precast Facade	116	16-Sep-17	05-Feb-18	30-Oct-17	20-Mar-18	0%	0%	-34	
03 GW with T Mullion (Kinked & Straight B1F to GF) (Bulk)										
A54490	Production & Fabrication - GW with T Mullion (Kinked &	187	04-Aug-17	07-Feb-18	12-Sep-17	18-Mar-18	0%	0%	-39	
Glass Production & Fabrication										
A10190	Coated Glass Production	94	04-Aug-17	24-Nov-17	12-Sep-17	05-Jan-18	0%	0%	-33	
Alum Section Production & Fabrication										
A10210	Die Making - Bulk Production	38	25-Sep-17	10-Nov-17	06-Nov-17	19-Dec-17	0%	0%	-33	
04B GW with Ceramic Mullion (GF & 1F) (Bulk)										
A54540	Production & Fabrication - GW with Ceramic Mullion (GI	216	20-May-17	21-Dec-17	30-Jun-17*	31-Jan-18	18.98%	0%	-41	
Glass Production & Fabrication										



Data Date: 30-Jun-17
Layout Name: 01) CMWP - 3MRP (Template)
File Name: Three Months Rolling Programme 3MRP - Mth21 (30 June 2017)

Three Months Rolling Programme (3MRP) - Mth 21 - 30 June 2017

Activity ID	Activity Name	CMWP Dur.	CMWP - R0.D5 Start	CMWP -R0.D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	Comments / Mitigating Measures
A10460	Coated Glass Production	75	20-May-17	17-Aug-17	30-Jun-17	26-Sep-17	45.33%	0%	-34	
A10470	Fabrication of Insulated Glass Panel	123	18-Aug-17	15-Jan-18	27-Sep-17	27-Feb-18	0%	0%	-34	
Alum Frame Production & Fabrication										
A10480	Die Making - Bulk Production	38	05-Jul-17	17-Aug-17	31-Jul-17 A	14-Aug-17	0%	2%	4	
A10490	Aluminium Extrusion Production	38	18-Aug-17	30-Sep-17	14-Aug-17	27-Sep-17	0%	0%	4	
A10500	Application of PVF2 Coating	6	03-Oct-17	10-Oct-17	27-Sep-17	06-Oct-17	0%	0%	4	
Terracotta Production										
A10550	Die Making - Bulk Production	50	12-Jun-17	09-Aug-17	08-Jul-17 A	26-Aug-17	32%	2%	-15	
A10560	Terracotta Production (Bulk)	75	10-Aug-17	08-Nov-17	28-Aug-17	25-Nov-17	0%	0%	-15	
A10570	Application of PVF2 Coating	75	08-Sep-17	07-Dec-17	26-Sep-17	27-Dec-17	0%	0%	-15	
Precast Concrete Facade Die Making										
A10580	Precast Concrete Mould Making	27	07-Sep-17	10-Oct-17	19-Oct-17	20-Nov-17	0%	0%	-34	
05 Ceramic Concrete Tubes & Perforated Cladding (Bulk)										
A54600	Production & Fabrication - Ceramic Concrete Tubes & Pe	229	20-May-17	03-Jan-18	30-Jun-17	13-Feb-18	17.9%	0%	-41	
Alum Frame Production & Fabrication										
A10640	Die Making - Bulk Production	72	05-Jul-17	26-Sep-17	15-Aug-17	09-Nov-17	0%	0%	-35	
A10650	Aluminium Extrusion Production	50	27-Sep-17	27-Nov-17	10-Nov-17	10-Jan-18	0%	0%	-35	
Terracotta Production										
A10680	Die Making - Bulk Production	77	20-May-17	19-Aug-17	30-Jun-17	28-Sep-17	44.16%	0%	-34	
A10690	Terracotta Production (Bulk)	75	21-Aug-17	18-Nov-17	29-Sep-17	30-Dec-17	0%	0%	-34	
07 L3 Storefront (Bulk)										
A18870	Production & Fabrication - L3 Storefront	213	20-May-17	18-Dec-17	30-Jun-17	28-Jan-18	19.25%	0%	-41	
Glass Production & Fabrication										
A19170	Coated Glass Production	97	20-May-17	12-Sep-17	30-Jun-17*	24-Oct-17	35.05%	0%	-34	
A19180	Fabrication of Insulated Glass Panel	74	13-Sep-17	11-Dec-17	25-Oct-17	23-Jan-18	0%	0%	-34	
Alum Frame Production & Fabrication										
A18890	Die Making - Bulk Production	71	01-Apr-17	30-Jun-17	01-Apr-17	17-Jul-17	98.59%	80.28%	-13	
A18900	Aluminium Extrusion Production	24	07-Jun-17	05-Jul-17	18-Jul-17	14-Aug-17	83.33%	0%	-34	
A18910	Application of PVF2 Coating	12	06-Jul-17	19-Jul-17	15-Aug-17	28-Aug-17	0%	0%	-34	
A18920	Fabrication of Frame Members	49	20-Jul-17	14-Sep-17	29-Aug-17	26-Oct-17	0%	0%	-34	
08 Garden Gallery Ceramic Cladding 3F (Bulk)										
A19190	Production & Fabrication - Garden Gallery Ceramic Clad	108	05-Jul-17	20-Oct-17	12-Jul-17	27-Oct-17	0%	0%	-7	
Brackets Production & Fabrication (SS)										
A18930	Production & Fabrication	35	20-May-17	30-Jun-17	30-Jun-17*	10-Aug-17	97.14%	0%	-34	
A18940	Delivery of SS Bracket to Site	6	03-Jul-17	08-Jul-17	11-Aug-17	17-Aug-17	0%	0%	-34	
Terracotta Production & Fabrication										
A18950	Terracotta Production	45	20-May-17	13-Jul-17	30-Jun-17	22-Aug-17	75.56%	0%	-34	
A18960	Delivery to assemble factory	4	14-Jul-17	18-Jul-17	23-Aug-17	26-Aug-17	0%	0%	-34	
A18970	Assemble of bracket to Ceramic Cladding	36	19-Jul-17	29-Aug-17	28-Aug-17	10-Oct-17	0%	0%	-34	
A18980	Delivery of Ceramic Cladding to Site	6	30-Aug-17	05-Sep-17	11-Oct-17	17-Oct-17	0%	0%	-34	
09 North Perimeter Louvre Cladding (Bulk)										
A19210	Production & Fabrication - North Perimeter Louvre Clad	294	20-May-17	09-Mar-18	30-Jun-17	19-Apr-18	13.95%	0%	-41	
Cladding & Louvre Production & Fabrication										
A18990	Die Making - Bulk Production	59	20-May-17	29-Jul-17	30-Jun-17*	07-Sep-17	57.63%	0%	-34	
A19000	Aluminium Extrusion Production	45	31-Jul-17	20-Sep-17	08-Sep-17	02-Nov-17	0%	0%	-34	
A19010	PVF2 Paint Ordering	12	21-Sep-17	06-Oct-17	03-Nov-17	16-Nov-17	0%	0%	-34	
10 Doors (Bulk)										
Doors Production & Fabrication										
A19060	Die Making	89	06-Mar-17	24-Jun-17	06-Mar-17	14-Sep-17	100%	26.97%	-69	
A19070	Aluminium Extrusion Production	90	16-Jun-17	29-Sep-17	30-Jun-17	16-Oct-17	13.33%	0%	-12	
A19090	PVF2 Paint Ordering	59	21-Sep-17	01-Dec-17	07-Oct-17	15-Dec-17	0%	0%	-12	
M+ Podium Glass Wall & Skylight (By RedLand, Permasteelisa)										
(By Permasteelisa) Preliminary Works										
A41110	Handover of Working Areas @ Zone A & provide referer	0		21-Aug-17		21-Sep-17	0%	0%	-27	
A41120	Surveying for Embeds	60	22-Aug-17	02-Nov-17	22-Sep-17	04-Dec-17	0%	0%	-27	
A41130	Submission of Embeds Survey Report	60	08-Sep-17	20-Nov-17	12-Oct-17	21-Dec-17	0%	0%	-27	
B1/F to G/F Level										
(By Redland) Precast Concrete Panel										



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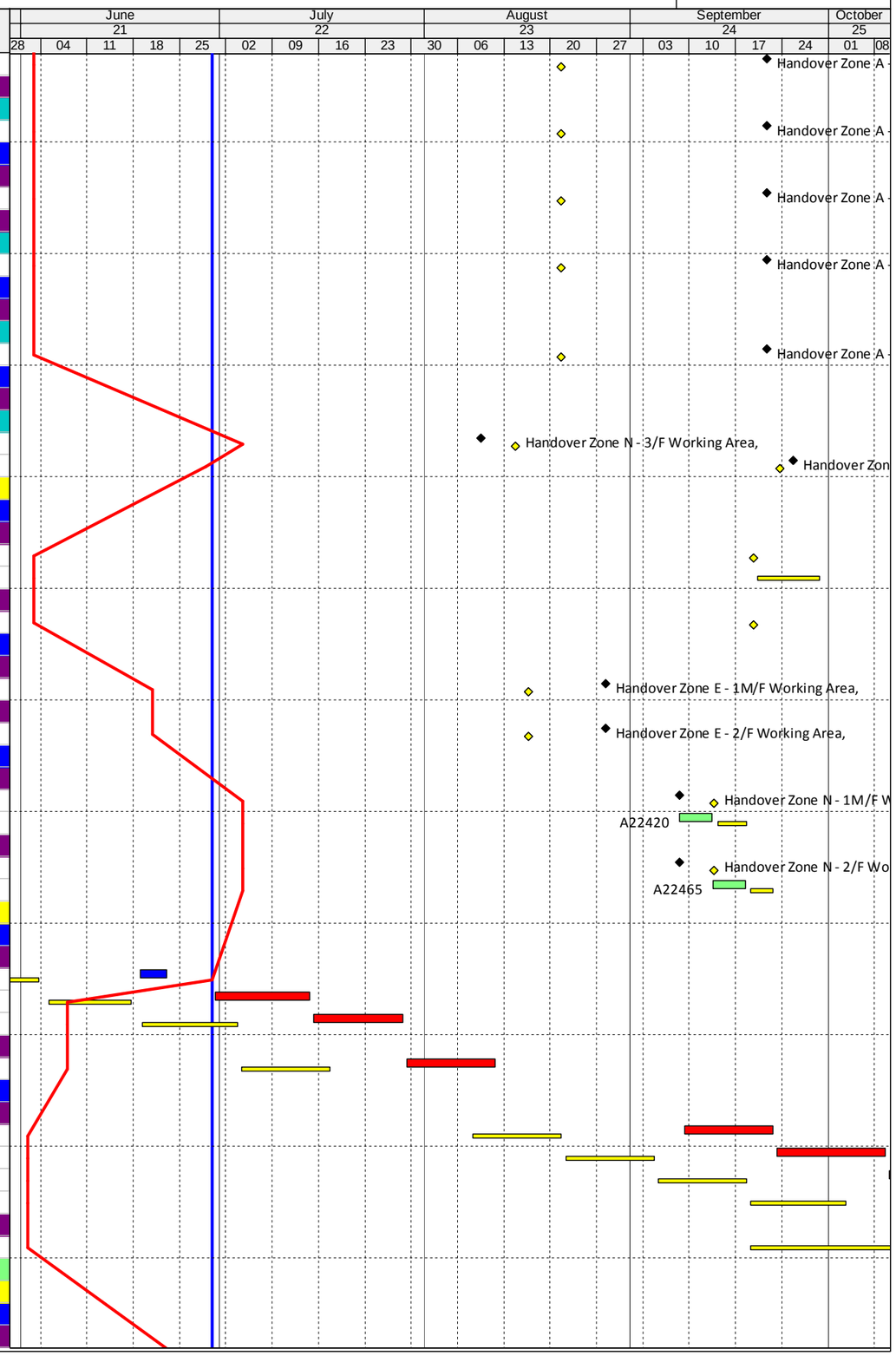
File Name: Three Months Rolling Programme 3MRP - Mth21 (30 June 2017)

Three Months Rolling Programme (3MRP) - Mth 21 - 30 June 2017

Activity ID	Activity Name	CMWP Dur.	CMWP - R0.D5 Start	CMWP -R0.D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	Comments / Mitigating Measures
A41140	Handover Zone A - B1/F Working Areas	0		21-Aug-17		21-Sep-17	0%	0%	-27	
(By Permasteelisa) Glass Wall with T Mullion										
Zone A										
A41160	Handover Zone A - B1/F Working Areas	0		21-Aug-17		21-Sep-17	0%	0%	-27	
G/F to 1/F Level										
(By Redland) Precast Concrete Panel										
A41190	Handover Zone A - G/F Working Areas	0		21-Aug-17		21-Sep-17	0%	0%	-27	
(By Permasteelisa) Glass Window with Ceramic/Precast Concrete/AL Panel										
Zone A										
A41260	Handover Zone A - G/F Working Area	0		21-Aug-17		21-Sep-17	0%	0%	-27	
1/F to 2/F Level										
(By Permasteelisa) Glass Wall with Ceramic/Ceramic Mullion/Precast Concrete										
Zone A										
A41270	Handover Zone A - 1/F Working Areas	0		21-Aug-17		21-Sep-17	0%	0%	-27	
3/F Roof Level										
(By Permasteelisa) Skylight/Ceramic Cladding/Storefront										
Zone M, F & N										
A47600	Handover Zone N - 3/F Working Area	0		14-Aug-17		09-Aug-17	0%	0%	5	
A47610	Handover Zone F - 3/F Working Area	0		23-Sep-17		25-Sep-17	0%	0%	-1	
M+ Podium External Envelope (By Permasteelisa)										
Zone A										
Podium Facade Panel (1M/F External)										
A47010	Handover Zone A - 1M/F Working Area	0		19-Sep-17		23-Oct-17	0%	0%	-27	
A47635	Bracket Installation & Embed Remedial 1M/F @ GL 1/A-	9	20-Sep-17	29-Sep-17	24-Oct-17	03-Nov-17	0%	0%	-27	
Podium Facade Panel (2/F External)										
A47160	Handover Zone A - 2/F Working Area	0		19-Sep-17		23-Oct-17	0%	0%	-27	
Zone E										
Podium Facade Panel (1M/F External)										
A47030	Handover Zone E - 1M/F Working Area	0		16-Aug-17		28-Aug-17	0%	0%	-9	
Podium Facade Panel (2/F External)										
A47180	Handover Zone E - 2/F Working Area	0		16-Aug-17		28-Aug-17	0%	0%	-9	
Zone N										
Podium Facade Panel (1M/F External)										
A22410	Handover Zone N - 1M/F Working Area	0		13-Sep-17		08-Sep-17	0%	0%	5	
A22420	Bracket Installation & Embed Remedial 1M/F @ GL 7-8/	4	14-Sep-17	18-Sep-17	08-Sep-17	13-Sep-17	0%	0%	5	
Podium Facade Panel (2/F External)										
A22460	Handover Zone N - 2/F Working Area	0		13-Sep-17		08-Sep-17	0%	0%	5	
A22465	Bracket Installation & Embed Remedial 2/F @ GL 7-8/M	4	19-Sep-17	22-Sep-17	13-Sep-17	18-Sep-17	0%	0%	5	
M+ Tower External Envelope (By Permasteelisa)										
Tower Facade Advance Works										
Provision of Monorails, Catch fan & Working Platform										
A14820	Preparation & Design of Monorails	12	20-May-17	03-Jun-17	19-Jun-17	23-Jun-17 A	100%	100%	-16	
A14830	Monorails - 1st Submission, Review and Approval by MJV	12	05-Jun-17	17-Jun-17	30-Jun-17	14-Jul-17	100%	0%	-22	
A14840	Monorails - 2nd Submission, Review and Approval by M	12	19-Jun-17	03-Jul-17	15-Jul-17	28-Jul-17	83.33%	0%	-22	
Provision of Catchfan										
A42770	Preparation & Design of Catchfan & Working Platform	12	04-Jul-17	17-Jul-17	29-Jul-17	11-Aug-17	0%	0%	-22	
Facade Installation by TC6-2, TC2, TC7-2 & Monorail										
Tower Structure Block A & Scaffolding Removal										
A58300	Concrete cured & scaffolding removed @5th/F Block A	12	08-Aug-17	21-Aug-17	09-Sep-17	22-Sep-17	0%	0%	-28	
A58302	Concrete cured & scaffolding removed @6th/F Block A	12	22-Aug-17	04-Sep-17	23-Sep-17	09-Oct-17	0%	0%	-28	
A58305	Concrete cured & scaffolding removed @7th/F Block A	12	05-Sep-17	18-Sep-17	10-Oct-17	23-Oct-17	0%	0%	-28	
A58307	Concrete cured & scaffolding removed @8th/F Block A	12	19-Sep-17	03-Oct-17	24-Oct-17	07-Nov-17	0%	0%	-28	
Prepararion Works										
A59810	Survey, Setup & Bracket Installation for 1st Installation -	27	19-Sep-17	21-Oct-17	24-Oct-17	24-Nov-17	0%	0%	-28	
CSF & RDE Construction										
Sub-Structure RC Works										
B1/F Level										
North Zoning @ Portion - R										



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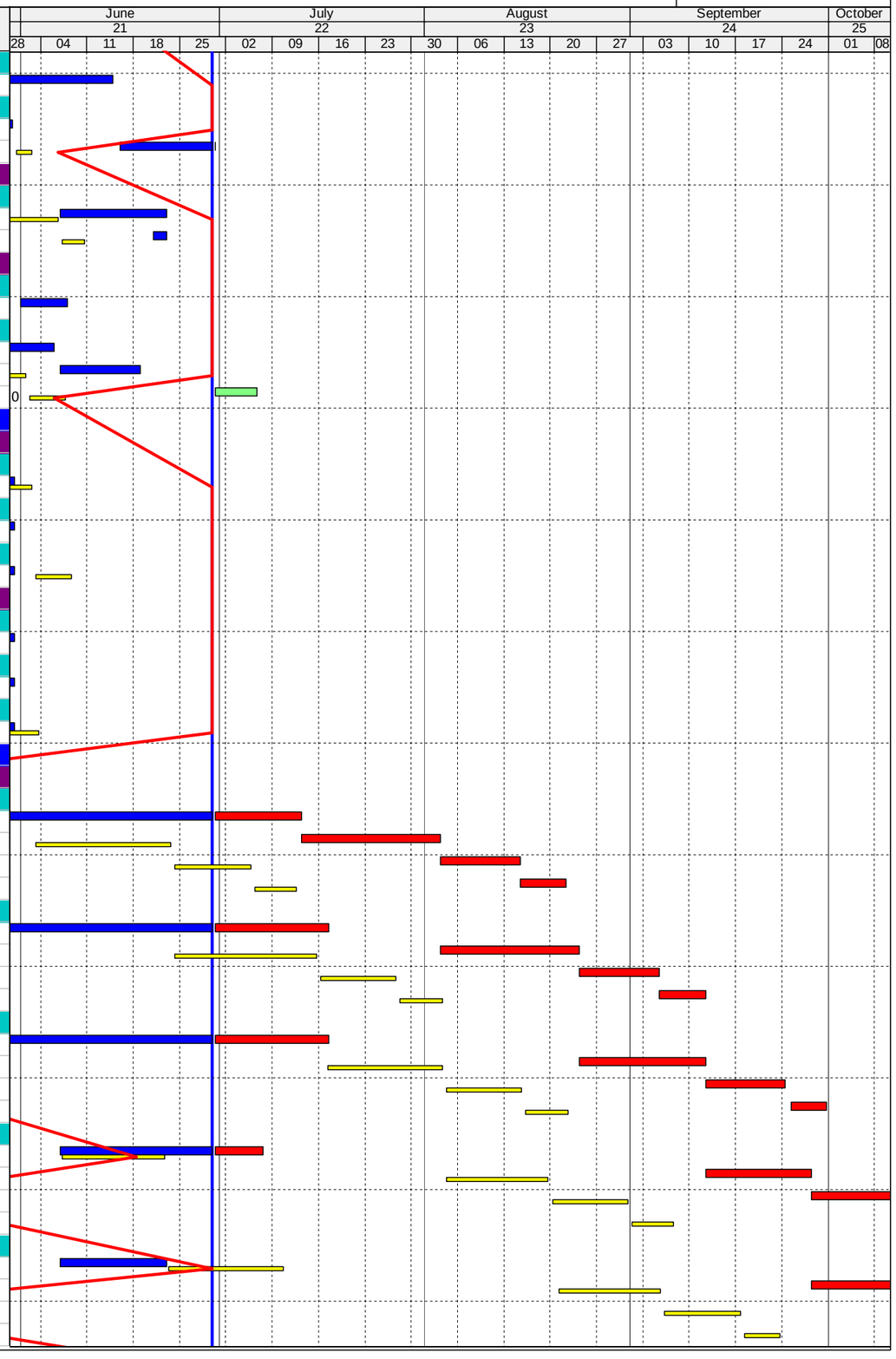
Portion B1R3 @ Grid Line A' to C' / 6' to 7'										
A48290	Remove Scaffolds and Cleaning	3	20-May-17	23-May-17	22-May-17	15-Jun-17 A	100%	100%	-18	
Portion B1R4 @ Grid Line A to A' / 6' to 7'										
A48310	Concrete Curing period (2-weeks)	12	18-May-17	29-May-17	18-May-17	30-May-17 A	100%	100%	-1	
A48320	Remove Scaffolds and Cleaning	3	31-May-17	02-Jun-17	16-Jun-17	30-Jun-17	100%	90%	-23	
North Zoning @ Portion - S										
Portion S2 @ Grid Line A / 6' to 2										
A48340	Construct B1 Slab on Grid (Entrance Portal Road - RC 150	14	20-May-17	06-Jun-17	07-Jun-17	23-Jun-17 A	100%	100%	-14	Need verify actual start
A48350	Concrete Curing period (2-days), remove formworks & c	4	07-Jun-17	10-Jun-17	21-Jun-17	23-Jun-17 A	100%	100%	-12	Need verify actual start
CSF Zoning @ Portion - T										
Portion B1T4 @ Grid Line B' to D' / 3' to 6'										
A48560	Remove scaffolds & cleaning	4	20-May-17	24-May-17	01-Jun-17	08-Jun-17 A	100%	100%	-11	
Portion B1T5 @ Grid Line A to B' / 4' to 6'										
A48630	Construct beams & slab (B1/F) (270 m3)	20	24-Apr-17	18-May-17	24-Apr-17	06-Jun-17 A	100%	100%	-14	
A48640	Concrete Curing period (2-weeks)	12	21-May-17	01-Jun-17	07-Jun-17	19-Jun-17 A	100%	100%	-17	
A48650	Remove scaffolds & cleaning	5	02-Jun-17	07-Jun-17	30-Jun-17	06-Jul-17	100%	0%	-24	B1 Cannot Support G/F
LG/F Level										
CSF Zoning @ Portion - T										
Portion LGT2 @ Grid Line D' to F' / 3' to 5'										
A48940	Remove scaffolds & cleaning	11	20-May-17	02-Jun-17	03-May-17	31-May-17 A	100%	100%	3	
Portion LGT3 @ Grid Line D' to F' / 5' to 6'										
A48980	Remove scaffolds & cleaning	6	20-May-17	26-May-17	03-May-17	31-May-17 A	100%	100%	-2	
Portion LGT4 @ Grid Line A' to D' / 3' to 6'										
A49070	Remove scaffolds & cleaning	5	03-Jun-17	08-Jun-17	03-May-17	31-May-17 A	100%	100%	8	
RDE Zoning @ Portion - U										
Portion LGU1 @ Grid Line F' to J' / 1' to 3'										
A49130	Remove scaffolds & cleaning	5	20-May-17	25-May-17	03-May-17	31-May-17 A	100%	100%	-3	
Portion LGU2 @ Grid Line I' to J' / 4' to 6'										
A49180	Remove scaffolds & cleaning	6	20-May-17	26-May-17	03-May-17	31-May-17 A	100%	100%	-2	
Portion LGU3 @ Grid Line F' to J' / 3' to 6'										
A49220	Remove scaffolds & cleaning	6	27-May-17	03-Jun-17	03-May-17	31-May-17 A	100%	100%	4	
G/F Level										
North Zoning @ Portion - R (B1/F to G/F)										
Portion GFR1 @ Grid Line I' to J' / 6' to 7'										
A49240	Construct Columns & Walls & Cols B1/F to G/F @ GL I'-J'	16	13-Feb-17	02-Mar-17	13-Feb-17	13-Jul-17	100%	35%	-105	
A49250	Construct beams & slab (G/F) (180 m3)	18	03-Jun-17	23-Jun-17	13-Jul-17	03-Aug-17	100%	0%	-33	
A49260	Concrete Curing period (2-weeks)	12	24-Jun-17	05-Jul-17	03-Aug-17	15-Aug-17	50%	0%	-40	
A49270	Remove scaffolds & cleaning	6	06-Jul-17	12-Jul-17	15-Aug-17	22-Aug-17	0%	0%	-34	
Portion GFR2 @ Grid Line F' to I' / 6' to 7'										
A49280	Construct Columns & Walls & Cols B1/F to G/F @ GL F'-I	16	06-Feb-17	23-Feb-17	06-Feb-17	17-Jul-17	100%	15%	-115	
A49290	Construct beams & slab (G/F) (175 m3)	18	24-Jun-17	15-Jul-17	03-Aug-17	24-Aug-17	27.78%	0%	-33	
A49300	Concrete Curing period (2-weeks)	12	16-Jul-17	27-Jul-17	24-Aug-17	05-Sep-17	0%	0%	-39	
A49310	Remove scaffolds & cleaning	6	28-Jul-17	03-Aug-17	05-Sep-17	12-Sep-17	0%	0%	-33	
Portion GFR3 @ Grid Line D' to F' / 6' to 7'										
A49330	Construct Columns & Walls & Cols B1/F to G/F @ GL F'-I	16	18-Apr-17	08-May-17	17-Apr-17	17-Jul-17	100%	15%	-58	
A49340	Construct beams & slab (G/F) (184 m3)	16	17-Jul-17	03-Aug-17	24-Aug-17	12-Sep-17	0%	0%	-33	
A49350	Concrete Curing period (2-weeks)	12	04-Aug-17	15-Aug-17	12-Sep-17	24-Sep-17	0%	0%	-39	
A49360	Remove scaffolds & cleaning	6	16-Aug-17	22-Aug-17	25-Sep-17	30-Sep-17	0%	0%	-34	
Portion GFR4 @ Grid Line D' to F' / 7' to 2										
A49370	Construct Columns & Walls & Cols B1/F to G/F @ GL C'-	14	07-Jun-17	22-Jun-17	07-Jun-17	07-Jul-17	100%	60%	-12	Need verify actual start
A49380	Construct beams & slab (G/F) (149 m3)	14	04-Aug-17	19-Aug-17	12-Sep-17	28-Sep-17	0%	0%	-33	
A49390	Concrete Curing period (2-weeks)	12	20-Aug-17	31-Aug-17	28-Sep-17	10-Oct-17	0%	0%	-39	
A49400	Remove scaffolds & cleaning	6	01-Sep-17	07-Sep-17	10-Oct-17	17-Oct-17	0%	0%	-31	
Portion GFR5 @ Grid Line B' to D' / 7' to 2										
A49420	Construct Columns & Walls & Cols B1/F to G/F @ GL D'-	14	23-Jun-17	10-Jul-17	07-Jun-17	23-Jun-17 A	42.86%	100%	14	Need verify actual start
A49430	Construct beams & slab (G/F) (109 m3)	14	21-Aug-17	05-Sep-17	28-Sep-17	17-Oct-17	0%	0%	-33	
A49440	Concrete Curing period (2-weeks)	12	06-Sep-17	17-Sep-17	17-Oct-17	29-Oct-17	0%	0%	-41	
A49450	Remove scaffolds & cleaning	6	18-Sep-17	23-Sep-17	30-Oct-17	04-Nov-17	0%	0%	-33	



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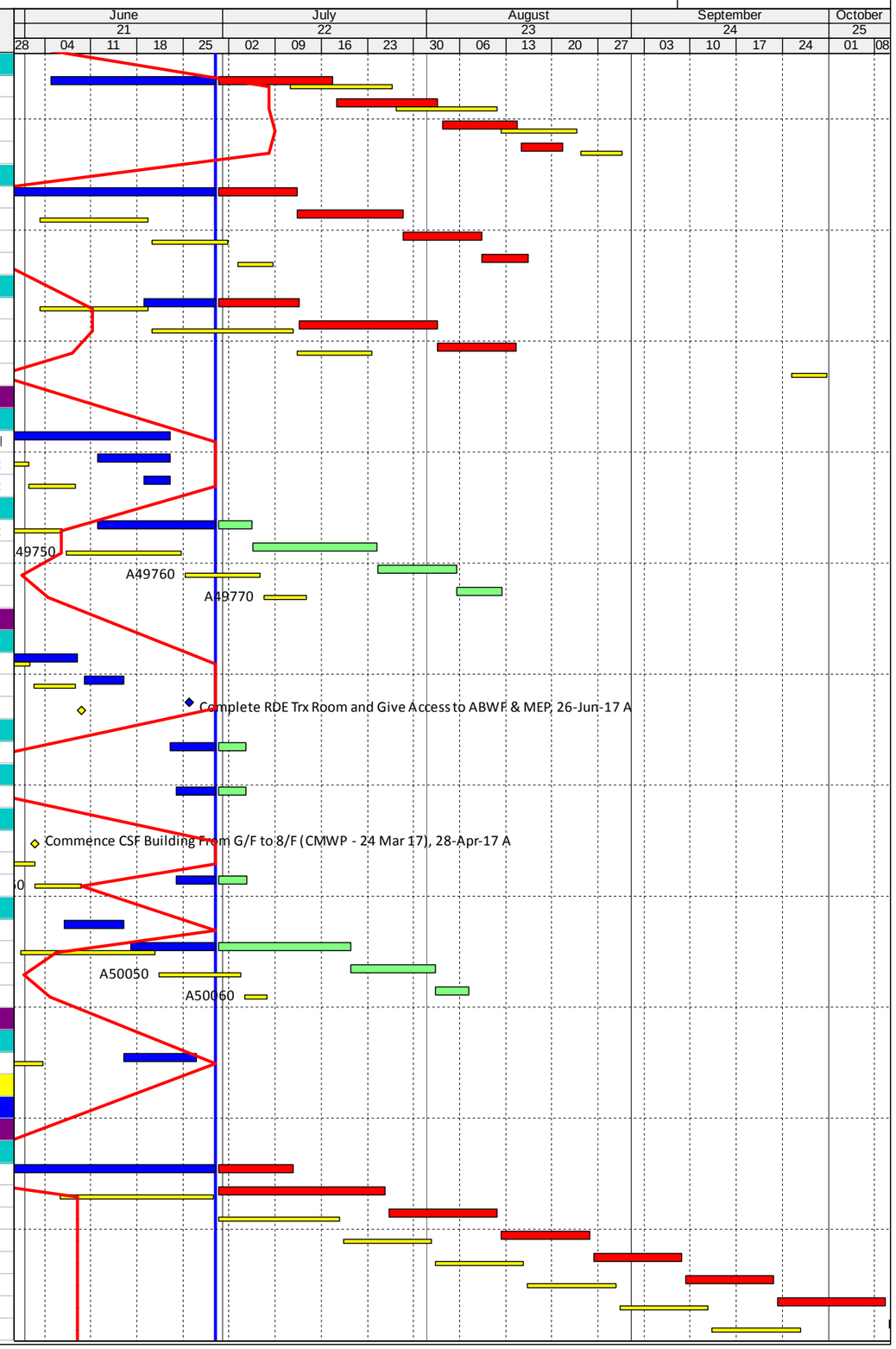
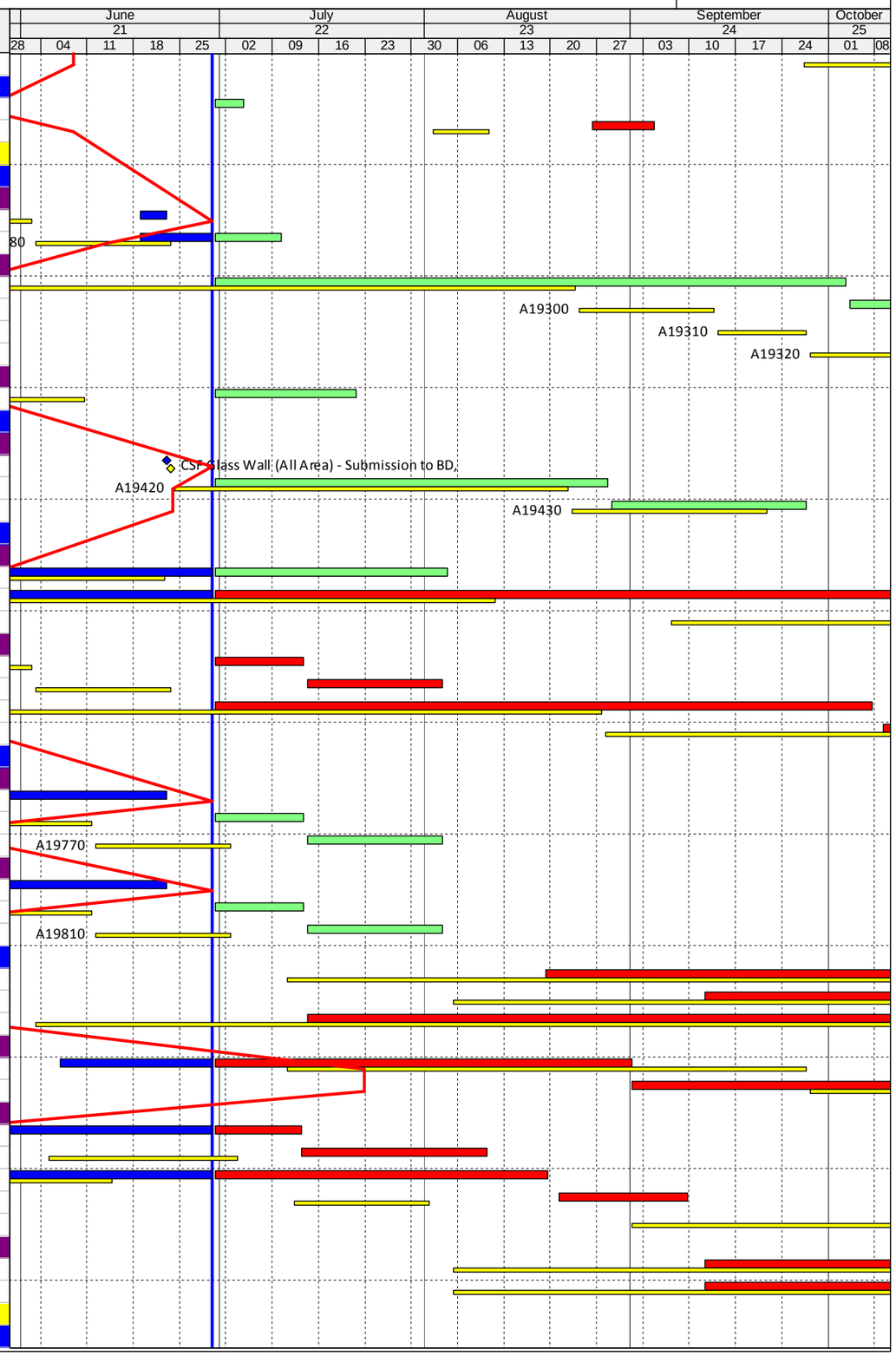
Portion GFR6 @ Grid Line B' to D' / 6' to 7'										
A49460	Construct Columns & Walls & Cols B1/F to G/F @ GL C'-	14	11-Jul-17	26-Jul-17	05-Jun-17	17-Jul-17	0%	0%	8	
A49470	Construct beams & slab (G/F) (148 m3)	14	27-Jul-17	11-Aug-17	18-Jul-17	02-Aug-17	0%	0%	8	
A49480	Concrete Curing period (2-weeks)	12	12-Aug-17	23-Aug-17	03-Aug-17	14-Aug-17	0%	0%	9	
A49490	Remove scaffolds & cleaning	6	24-Aug-17	30-Aug-17	15-Aug-17	21-Aug-17	0%	0%	8	
Portion GFR7 @ Grid Line A to B' / 6' to 7'										
A49510	Construct Columns & Walls & Cols B1/F to G/F @ GL A'-(	14	02-May-17	18-May-17	01-May-17	12-Jul-17	100%	35%	-44	
A49520	Construct beams & slab (G/F) (132 m3)	14	03-Jun-17	19-Jun-17	12-Jul-17	28-Jul-17	100%	0%	-32	
A49530	Concrete Curing period (2-weeks)	12	20-Jun-17	01-Jul-17	28-Jul-17	09-Aug-17	83.33%	0%	-38	
A49540	Remove scaffolds & cleaning	6	03-Jul-17	08-Jul-17	09-Aug-17	16-Aug-17	0%	0%	-32	
Portion GFR8 @ Grid Line A to B' / 7' to 2										
A49640	Construct Columns & Walls & Cols B1/F to G/F @ GL A-A	14	03-Jun-17	19-Jun-17	19-Jun-17	12-Jul-17	100%	30%	-19	
A49650	Construct beams & slab (G/F) (186 m3)	18	20-Jun-17	11-Jul-17	12-Jul-17	02-Aug-17	50%	0%	-19	
A49660	Concrete Curing period (2-weeks)	12	12-Jul-17	23-Jul-17	02-Aug-17	14-Aug-17	0%	0%	-22	
A49670	Remove scaffolds & cleaning	6	25-Sep-17	30-Sep-17	06-Nov-17	11-Nov-17	0%	0%	-33	
North Zoning @ Portion - S (B1/F to G/F)										
Portion GFS1 @ Grid Line A / 1 to 3										
A49710	Construct beams & slab (G/F) (313 m3)	18	01-Feb-17	21-Feb-17	01-Feb-17	23-Jun-17 A	100%	100%	-97	Need verify actual finisl
A49720	Concrete Curing period (2-weeks)	12	20-May-17	01-Jun-17	12-Jun-17	23-Jun-17 A	100%	100%	-21	Need verify actual start
A49730	Remove scaffolds & cleaning	6	01-Jun-17	08-Jun-17	19-Jun-17	23-Jun-17 A	100%	100%	-12	Need verify actual start
Portion GFS2 @ Grid Line A / 6' to 1										
A49740	Construct Columns & Walls & Cols B1/F to G/F @ GL A /	14	20-May-17	06-Jun-17	12-Jun-17	05-Jul-17	100%	75%	-24	Need verify actual start
A49750	Construct beams & slab (G/F) (128 m3)	16	07-Jun-17	24-Jun-17	05-Jul-17	24-Jul-17	100%	0%	-24	
A49760	Concrete Curing period (2-weeks)	12	25-Jun-17	06-Jul-17	24-Jul-17	05-Aug-17	41.67%	0%	-30	
A49770	Remove scaffolds & cleaning	6	07-Jul-17	13-Jul-17	05-Aug-17	12-Aug-17	0%	0%	-26	
CSF Zoning @ Portion - T (LG/F to G/F)										
Portion GFT1 (LG/F to G/F) @ Grid Line D' to F' / 1' to 3'										
A49810	Concrete Curing period (2-weeks)	12	21-May-17	01-Jun-17	26-May-17	09-Jun-17 A	100%	100%	-7	
A49820	Remove scaffolds & cleaning	6	02-Jun-17	08-Jun-17	10-Jun-17	16-Jun-17 A	100%	100%	-6	
A49830	Complete RDE Trx Room and Give Access to ABWF & ME	0	09-Jun-17		26-Jun-17		100%	100%	-13	
Portion GFT2 (LG/F to G/F) @ Grid Line D' to F' / 3' to 5'										
A49880	Remove scaffolds & cleaning	5	20-May-17	25-May-17	23-Jun-17	04-Jul-17	100%	50%	-32	Support 1/F
Portion GFT3 (LG/F to G/F) @ Grid Line D' to G' / 5' to 6'										
A49920	Remove scaffolds & cleaning	5	20-May-17	25-May-17	24-Jun-17	04-Jul-17	100%	50%	-32	Support 1/F
Portion GFT4 (LG/F to G/F) @ Grid Line B' to D' / 3' to 6'										
A49970	Commence CSF Building From G/F to 8/F (CMWP - 24 M	0	02-Jun-17		28-Apr-17		100%	100%	28	
A49950	Concrete Curing period (2-weeks)	13	20-May-17	02-Jun-17	27-Apr-17	10-May-17 A	100%	100%	24	
A49960	Remove scaffolds & cleaning	6	02-Jun-17	09-Jun-17	24-Jun-17	04-Jul-17	100%	50%	-20	Support 1/F
Portion GFT5 (B1/F to G/F) @ Grid Line A to B' / 4' to 6'										
A50030	Construct Walls & Cols B1/F to G/F @ GL A-A' / 5'-6'	7	22-May-17	29-May-17	07-Jun-17	16-Jun-17 A	100%	100%	-14	
A50040	Construct beams & slab (G/F) (216 m3)	18	31-May-17	20-Jun-17	17-Jun-17	20-Jul-17	100%	10%	-24	
A50050	Concrete Curing period (2-weeks)	13	21-Jun-17	03-Jul-17	20-Jul-17	02-Aug-17	69.23%	0%	-29	
A50060	Remove scaffolds & cleaning	4	04-Jul-17	07-Jul-17	02-Aug-17	07-Aug-17	0%	0%	-25	
RDE Zoning @ Portion - U (LG/F to G/F)										
Portion GFU3 (LG/F to G/F) @ Grid Line F' to I' / 3' to 6'										
A50240	Remove scaffolds & cleaning	6	27-May-17	03-Jun-17	16-Jun-17	27-Jun-17 A	100%	100%	-19	
CSF Super-Structure RC Works										
CSF Building										
CSF Structure @ Portion - T (G/F to 8/F)										
Grid Line B' to F' / 4' to 6'										
A50710	CSF - G/F to 1/F Construction	45	20-Mar-17	17-May-17	20-Mar-17	11-Jul-17	100%	80%	-45	
A50720	CSF - 1/F to 2/F Construction	21	06-Jun-17	29-Jun-17	30-Jun-17	25-Jul-17	100%	0%	-21	
A50730	CSF - 2/F to 3/F Construction	15	30-Jun-17	18-Jul-17	26-Jul-17	11-Aug-17	0%	0%	-21	
A50750	CSF - 3/F to 4/F Construction (Incl envelope)	12	19-Jul-17	01-Aug-17	12-Aug-17	25-Aug-17	0%	0%	-21	
A50760	CSF - 4/F to 5/F Construction (Incl envelope)	12	02-Aug-17	15-Aug-17	26-Aug-17	08-Sep-17	0%	0%	-21	
A50770	CSF - 5/F to 6/F Construction (Incl envelope)	12	16-Aug-17	29-Aug-17	09-Sep-17	22-Sep-17	0%	0%	-21	
A50780	CSF - 6/F to 7/F Construction	12	30-Aug-17	12-Sep-17	23-Sep-17	09-Oct-17	0%	0%	-21	
A50790	CSF - 7/F to 8/F Construction	12	13-Sep-17	26-Sep-17	10-Oct-17	23-Oct-17	0%	0%	-21	



Data Date: 30-Jun-17
Layout Name: 01) CMWP - 3MRP (Template)
File Name: Three Months Rolling Programme 3MRP - Mth21 (30 June 2017)

Three Months Rolling Programme (3MRP) - Mth 21 - 30 June 2017

Activity ID	Activity Name	CMWP Dur.	CMWP - R0.D5 Start	CMWP -R0.D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	Comments / Mitigating Measures
A50795	CSF - 8/F to +61.13/62.0 Construction	12	27-Sep-17	12-Oct-17	24-Oct-17	07-Nov-17	0%	0%	-21	
CSF Building Temporary Works										
CF10920	Material Hoist Removal	4	20-May-17	24-May-17	30-Jun-17	04-Jul-17	100%	0%	-35	
CF10910	Material Hoist Erection (Initial)(LT-53 Shaft)	8	02-Aug-17	10-Aug-17	26-Aug-17	04-Sep-17	0%	0%	-21	
CSF Building FACADE Preliminaries										
ENGINEERING & APPROVAL - CSF										
SHOPDRAWING - CSF Glass Wall (All Area)										
A19270	2nd Shopdrawing Submission	14	20-May-17	02-Jun-17	19-Jun-17	23-Jun-17 A	100%	100%	-20	
A19280	2nd Shopdrawing Submission - Review & Approval	21	03-Jun-17	23-Jun-17	19-Jun-17	10-Jul-17	100%	52%	-16	
SHOPDRAWING - Facade Doors Package #11 - CSF Doors - Total No. = 2										
A19290	1st Shopdrawing Submission	96	20-May-17	23-Aug-17	30-Jun-17	03-Oct-17	42.71%	0%	-41	
A19300	1st Shopdrawing Submission - Review & Approval	21	24-Aug-17	13-Sep-17	04-Oct-17	24-Oct-17	0%	0%	-41	
A19310	2nd Shopdrawing Submission	14	14-Sep-17	27-Sep-17	25-Oct-17	07-Nov-17	0%	0%	-41	
A19320	2nd Shopdrawing Submission - Review & Approval	21	28-Sep-17	18-Oct-17	08-Nov-17	28-Nov-17	0%	0%	-41	
SHOPDRAWING - CSF Roof Louvre Wall										
A19360	3rd Shopdrawing Submission & Comment	18	20-May-17	10-Jun-17	30-Jun-17	21-Jul-17	100%	0%	-34	
BD SUBMISSION FACADE SYSTEM & EMBEDS										
CSF Glass Wall (All Area), incl. CSF Louvre - FAC-LV-03 (additional Scope)										
A19410	CSF Glass Wall (All Area) - Submission to BD	0		23-Jun-17		23-Jun-17 A	100%	100%	1	
A19420	CSF Glass Wall (All Area) - BD Approval	60	24-Jun-17	22-Aug-17	30-Jun-17	28-Aug-17	10%	0%	-6	
A19430	CSF Glass Wall (All Area) - Concent	30	23-Aug-17	21-Sep-17	29-Aug-17	27-Sep-17	0%	0%	-6	
PERFORMANCE TEST - SHOPDRAWING SUBMISSION, FABRICATION, INSTALLATION & TEST										
PERFORMANCE TEST & MOCK UP - CSF										
A19440	Shopdrawing Submission & Approval	70	25-Mar-17	22-Jun-17	25-Mar-17	04-Aug-17	100%	58%	-35	
A19450	Ordering & Production of Material	107	31-Mar-17	11-Aug-17	31-Mar-17	18-Oct-17	66.36%	14.02%	-56	
A19460	Installation Performance Mock up	42	07-Sep-17	27-Oct-17	19-Oct-17	07-Dec-17	0%	0%	-34	
PMU SHOPDRAWING SUBMISSION & TEST - CSF Building										
A19500	Perf MU - 2nd Shopdrawing Submission	14	20-May-17	02-Jun-17	30-Jun-17	13-Jul-17	100%	0%	-41	
A19510	Perf MU - 2nd Shopdrawing Submission - Review & App	21	03-Jun-17	23-Jun-17	14-Jul-17	03-Aug-17	100%	0%	-41	
A19520	Perf MU - CSF Facade Ordering & Production	100	20-May-17	27-Aug-17	30-Jun-17	07-Oct-17	41%	0%	-41	
A19530	Perf MU - CSF Facade Installation	42	28-Aug-17	17-Oct-17	09-Oct-17	27-Nov-17	0%	0%	-34	
BIM MODEL SUBMISSION										
BIM MODEL SUBMISSION - CSF Glass Wall (All Area)										
A19750	1st BIM Model Submission - Review & Approval	21	19-Apr-17	09-May-17	19-Apr-17	23-Jun-17 A	100%	100%	-44	No Approval Required
A19760	2nd BIM Model Submission	14	29-May-17	11-Jun-17	30-Jun-17	13-Jul-17	100%	0%	-32	No Approval Required
A19770	2nd BIM Model Submission - Review & Approval	21	12-Jun-17	02-Jul-17	14-Jul-17	03-Aug-17	85.71%	0%	-32	No Approval Required
BIM MODEL SUBMISSION - CSF Louvre FAC-LV-03 (Additional Scope)										
A19790	1st BIM Model Submission - Review & Approval	21	19-Apr-17	09-May-17	19-Apr-17	23-Jun-17 A	100%	100%	-44	No Approval Required
A19800	2nd BIM Model Submission	14	29-May-17	11-Jun-17	30-Jun-17	13-Jul-17	100%	0%	-32	No Approval Required
A19810	2nd BIM Model Submission - Review & Approval	21	12-Jun-17	02-Jul-17	14-Jul-17	03-Aug-17	85.71%	0%	-32	No Approval Required
Fabrication & Delivery of CSF Facade System										
A19570	Glass Production and Fabrication	127	11-Jul-17	08-Dec-17	19-Aug-17	20-Jan-18	0%	0%	-34	
A19580	Roof Louvre Wall Production & Fabrication	161	05-Aug-17	15-Feb-18	12-Sep-17	27-Mar-18	0%	0%	-31	
A19560	Glass Wall Production and Fabrication	221	03-Jun-17	27-Feb-18	14-Jul-17	12-Apr-18	10.41%	0%	-34	
Glass Production & Fabrication										
A19590	Ordering of Coated Glass	68	11-Jul-17	27-Sep-17	07-Jun-17	01-Sep-17	0%	22%	23	
A19600	Fabrication of Insulated Glass Panel	60	28-Sep-17	09-Dec-17	01-Sep-17	14-Nov-17	0%	0%	23	
Glass Wall Production & Fabrication										
A19610	Die Making	51	03-Mar-17	08-May-17	03-Mar-17	13-Jul-17	100%	80%	-54	
A19620	Aluminium Extrusion Production	24	05-Jun-17	03-Jul-17	13-Jul-17	10-Aug-17	91.67%	0%	-32	
A19630	PVF2 Paint Ordering	51	10-Apr-17	14-Jun-17	10-Apr-17	19-Aug-17	100%	15.69%	-56	
A19640	Application of PVF2 Coating	18	12-Jul-17	01-Aug-17	21-Aug-17	09-Sep-17	0%	0%	-34	
A19650	Steel Frame Fabrication - Roof Louvre	74	01-Sep-17	29-Nov-17	13-Oct-17	11-Jan-18	0%	0%	-34	
Roof Louvre Wall Production & Fabrication										
A19690	Die Making	60	05-Aug-17	16-Oct-17	12-Sep-17	23-Nov-17	0%	0%	-32	
A19680	Steel Frame Fabrication - Roof Louvre	120	05-Aug-17	28-Dec-17	12-Sep-17	05-Feb-18	0%	0%	-32	
CSF External Envelope										
CSF Structure Milestones										



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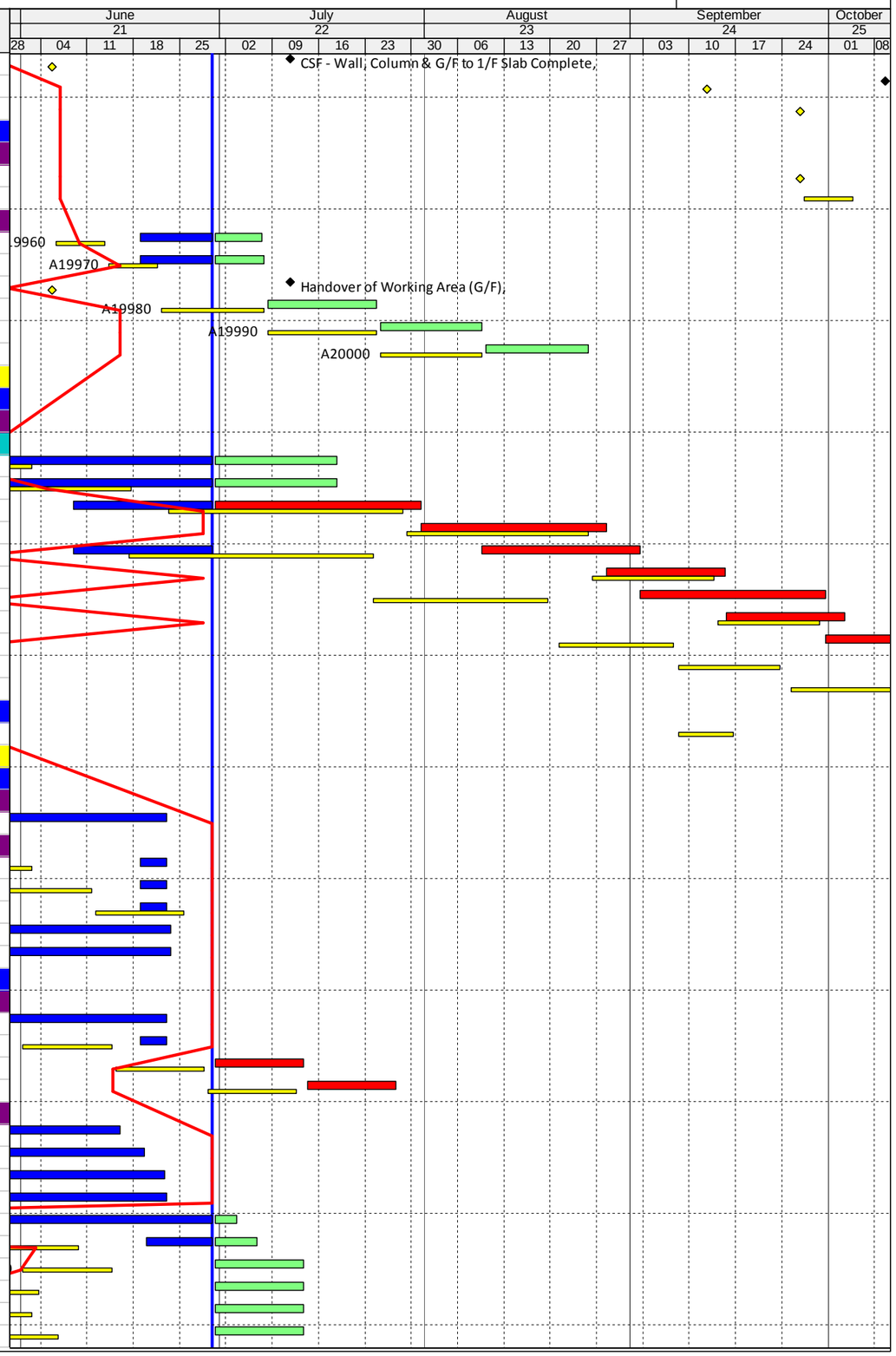
File Name: Three Months Rolling Programme 3MRP - Mth21 (30 June 2017)

Three Months Rolling Programme (3MRP) - Mth 21 - 30 June 2017

Activity ID	Activity Name	CMWP Dur.	CMWP - R0.D5 Start	CMWP -R0.D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	Comments / Mitigating Measures
A19820	CSF - Wall, Column & G/F to 1/F Slab Complete	0		05-Jun-17		11-Jul-17	100%	0%	-31	
A19830	CSF - Wall, Column & 6/F to 7/F Slab Complete	0		12-Sep-17		09-Oct-17	0%	0%	-23	
A19840	CSF - Wall, Column & 7/F to 8/F Slab Complete	0		26-Sep-17		23-Oct-17	0%	0%	-23	
FACADE INSTALLATION - by Permasteelisa										
Glazed Glass Curtain Wall - North Elevation 6/F to 8/F										
A19860	Handover of Working Area (6/F to 8/F)	0		26-Sep-17		23-Oct-17	0%	0%	-23	
A19870	Surveying of Embeds (6/F to 8/F)	7	27-Sep-17	04-Oct-17	24-Oct-17	31-Oct-17	0%	0%	-23	
Glazed Glass Curtain Wall - South Elevation										
A19960	Surveying of Embeds (G/F to 1/F)	7	06-Jun-17	13-Jun-17	19-Jun-17	07-Jul-17	100%	11.99%	-20	
A19970	Submission of Embeds survey report (G/F to 1/F)	7	14-Jun-17	21-Jun-17	19-Jun-17	07-Jul-17	100%	0%	-14	
A19950	Handover of Working Area (G/F)	0		05-Jun-17		11-Jul-17	100%	0%	-31	
A19980	Preparation of Remedial Method (G/F to 1/F)	14	22-Jun-17	07-Jul-17	08-Jul-17	24-Jul-17	50%	0%	-14	
A19990	Approval of Remedial Method (G/F to 1/F)	14	08-Jul-17	24-Jul-17	25-Jul-17	09-Aug-17	0%	0%	-14	
A20000	Bracket Installation (G/F to 1/F)	14	25-Jul-17	09-Aug-17	10-Aug-17	25-Aug-17	0%	0%	-14	
RDE Super-Structure RC Works										
RDE Building										
RDE Structure @ Portion - U (G/F to 15M/F)										
Block A Grid Line G' to J' / 1' to 6'										
A50840	RDE - Walls, Columns & 1/F Slab - Zone B	50	29-Mar-17	02-Jun-17	29-Mar-17	18-Jul-17	100%	70%	-38	
A50845	RDE - Walls, Columns & 1/F Slab - Zone A	50	18-Apr-17	17-Jun-17	14-Apr-17	18-Jul-17	100%	70%	-25	
A50855	RDE - Walls, Columns & 2/F Slab - Zone A	30	23-Jun-17	28-Jul-17	09-Jun-17	31-Jul-17	20%	15%	-2	
A50865	RDE - Walls, Columns & 3/F Slab - Zone A	24	29-Jul-17	25-Aug-17	31-Jul-17	28-Aug-17	0%	0%	-2	
A50850	RDE - Walls, Columns & 2/F Slab - Zone B	30	17-Jun-17	24-Jul-17	09-Jun-17	02-Sep-17	36.67%	30%	-36	
A50875	RDE - Walls, Columns & 4/F Slab - Zone A	16	26-Aug-17	13-Sep-17	28-Aug-17	15-Sep-17	0%	0%	-2	
A50860	RDE - Walls, Columns & 3/F Slab - Zone B	24	24-Jul-17	19-Aug-17	02-Sep-17	30-Sep-17	0%	0%	-36	
A50885	RDE - Walls, Columns & 5/F Slab - Zone A	14	14-Sep-17	29-Sep-17	15-Sep-17	03-Oct-17	0%	0%	-2	
A50870	RDE - Walls, Columns & 4/F Slab - Zone B	16	21-Aug-17	07-Sep-17	30-Sep-17	21-Oct-17	0%	0%	-36	
A50880	RDE - Walls, Columns & 5/F Slab - Zone B	14	08-Sep-17	23-Sep-17	21-Oct-17	08-Nov-17	0%	0%	-36	
A50890	RDE - Walls, Columns & 6/F Slab - Zone B	12	25-Sep-17	10-Oct-17	08-Nov-17	22-Nov-17	0%	0%	-36	
RDE Building Temporary Works										
RD10090	Material Hoist Erection (Initial)	8	08-Sep-17	16-Sep-17	21-Oct-17	01-Nov-17	0%	0%	-36	
RDE Building FACADE Preliminaries										
DRAWINGS SUBMISSION										
DRAWING SUBMISSION - by Redland										
A53320	2nd Drawing for PreCast Tubes, Columns and Roof Panel	14	15-Feb-17	28-Feb-17	15-Feb-17	23-Jun-17 A	100%	100%	-114	
DRAWING SUBMISSION - by PISA										
A53360	2nd Drawing for Window Wall, Facade Window, Louvre	14	20-May-17	02-Jun-17	19-Jun-17	23-Jun-17 A	100%	100%	-20	
A53430	2nd Drawing for Window Wall & Louvre at 15F to RF	14	29-May-17	11-Jun-17	19-Jun-17	23-Jun-17 A	100%	100%	-11	
A53440	2nd Drawing for Window Wall & Louvre at 15F to RF - Re	14	12-Jun-17	25-Jun-17	19-Jun-17	23-Jun-17 A	100%	100%	3	
A53400	2nd Drawing for Window Wall & Louvre at 2F to 14F - Re	14	15-Mar-17	28-Mar-17	15-Mar-17	23-Jun-17 A	100%	100%	-87	
A53420	1st Drawing for Window Wall & Louvre at 15F to RF - Re	14	26-Mar-17	08-Apr-17	26-Mar-17	23-Jun-17 A	100%	100%	-76	
SHOP DRAWINGS + DESIGN CALCULATION										
SHOPDRAWING + DESIGN CALCULATION - by Redland										
A53470	2nd Shopdrawing for PreCast Tubes, Columns and Roof I	14	23-Mar-17	05-Apr-17	23-Mar-17	23-Jun-17 A	100%	100%	-78	
A53480	2nd Shopdrawing for PreCast Tubes, Columns and Roof I	14	01-Jun-17	14-Jun-17	19-Jun-17	23-Jun-17 A	100%	100%	-8	
A53490	3rd Shopdrawing for PreCast Tubes, Columns and Roof F	14	15-Jun-17	28-Jun-17	30-Jun-17	13-Jul-17	100%	0%	-15	
A53500	3rd Shopdrawing for PreCast Tubes, Columns and Roof F	14	29-Jun-17	12-Jul-17	14-Jul-17	27-Jul-17	7.14%	0%	-15	
SHOPDRAWING + DESIGN CALCULATION - by PISA										
A53640	1st Shopdrawing Cast-in Embed for Window Wall & Lou	14	29-Mar-17	11-Apr-17	29-Mar-17	16-Jun-17 A	100%	100%	-65	
A53820	1st Shopdrawing for Window Wall & Louver at 15F to RF	14	22-Mar-17	04-Apr-17	22-Mar-17	19-Jun-17 A	100%	100%	-76	
A53770	2nd Shopdrawing for Window Wall & Louver at 2F to 14	14	25-Mar-17	07-Apr-17	25-Mar-17	22-Jun-17 A	100%	100%	-76	
A53590	2nd Shopdrawing Cast-in Embed for Window Wall & Lou	14	16-Feb-17	01-Mar-17	16-Feb-17	23-Jun-17 A	100%	100%	-113	
A53540	2nd Shopdrawing Cast-in Embed for Window Wall, Faca	14	28-Jan-17	10-Feb-17	28-Jan-17	03-Jul-17	100%	71.99%	-143	
A53780	2nd Shopdrawing for Window Wall & Louver at 2F to 14	14	27-May-17	09-Jun-17	20-Jun-17	06-Jul-17	100%	51.99%	-27	
A53600	2nd Shopdrawing Cast-in Embed for Window Wall & Lou	14	01-Jun-17	14-Jun-17	30-Jun-17	13-Jul-17	100%	0%	-29	
A53650	2nd Shopdrawing Cast-in Embed for Window Wall & Lou	14	21-May-17	03-Jun-17	30-Jun-17	13-Jul-17	100%	0%	-40	
A53700	1st Shopdrawing for Window Wall, Facade Window, Lou	14	20-May-17	02-Jun-17	30-Jun-17	13-Jul-17	100%	0%	-41	
A53830	2nd Shopdrawing for Window Wall & Louver at 15F to RF	14	24-May-17	06-Jun-17	30-Jun-17	13-Jul-17	100%	0%	-37	



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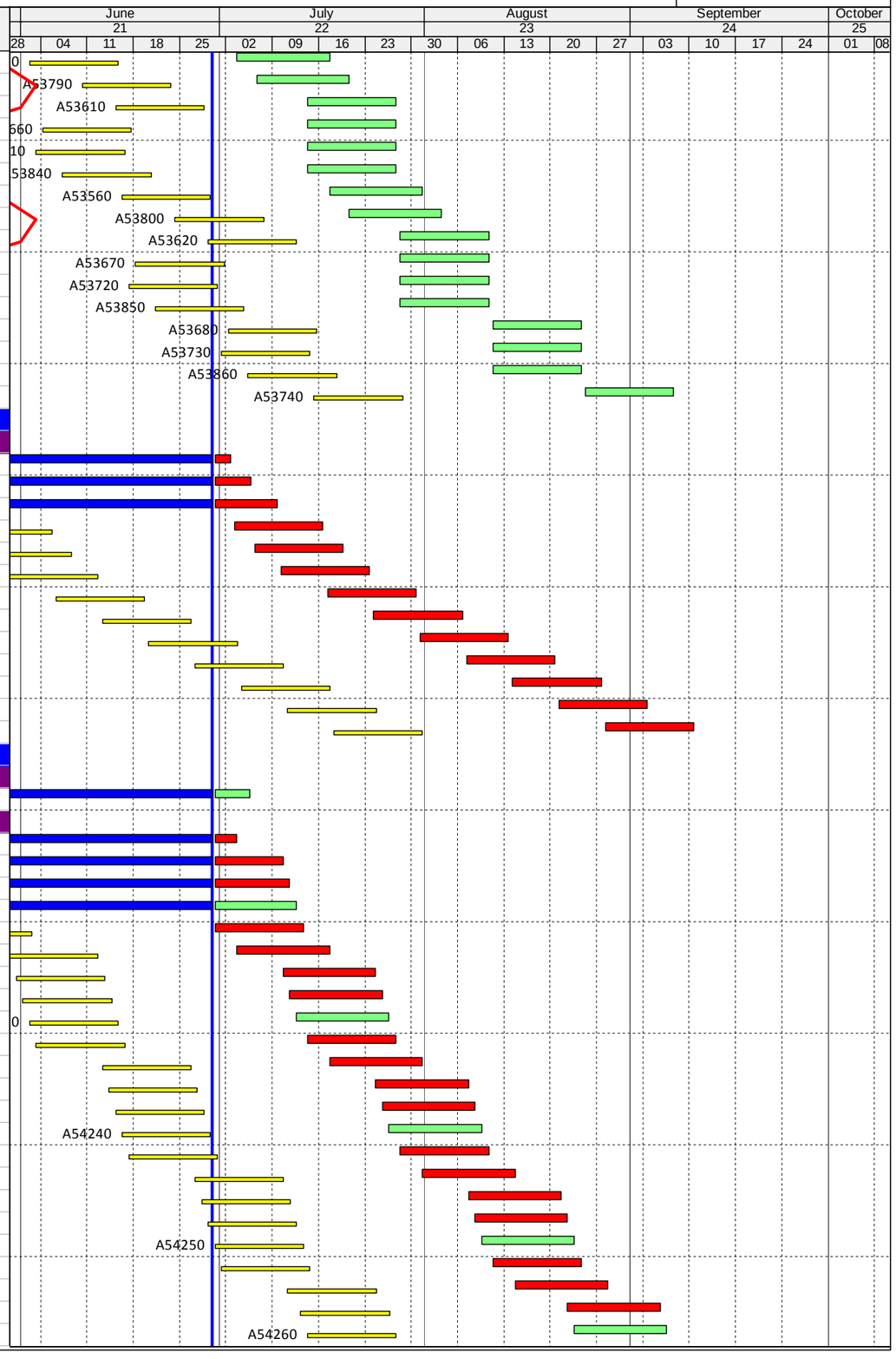
Three Months Rolling Programme (3MRP) - Mth 21 - 30 June 2017

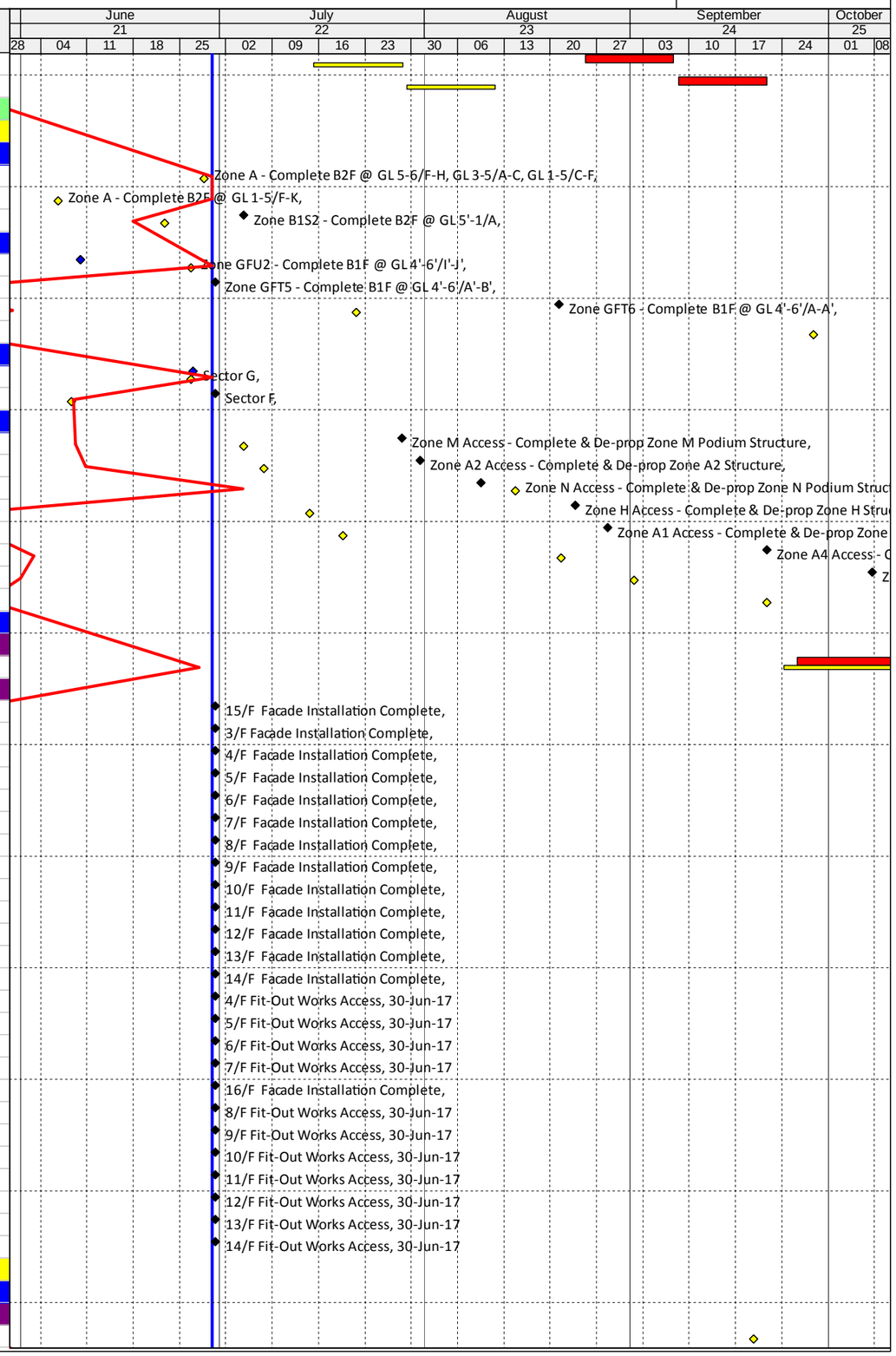
Activity ID	Activity Name	CMWP Dur.	CMWP - R0.D5 Start	CMWP -R0.D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	Comments / Mitigating Measures
A53550	3rd Shopdrawing Cast-in Embed for Window Wall, Facac	14	02-Jun-17	15-Jun-17	03-Jul-17	17-Jul-17	100%	0%	-32	
A53790	3rd Shopdrawing for Window Wall & Louver at 2F to 14F	14	10-Jun-17	23-Jun-17	06-Jul-17	20-Jul-17	100%	0%	-27	
A53610	3rd Shopdrawing Cast-in Embed for Window Wall & Lou	14	15-Jun-17	28-Jun-17	14-Jul-17	27-Jul-17	100%	0%	-29	
A53660	2nd Shopdrawing Cast-in Embed for Window Wall & Lou	14	04-Jun-17	17-Jun-17	14-Jul-17	27-Jul-17	100%	0%	-40	
A53710	2nd Shopdrawing for Window Wall, Facade Window, Lo	14	03-Jun-17	16-Jun-17	14-Jul-17	27-Jul-17	100%	0%	-41	
A53840	2nd Shopdrawing for Window Wall & Louver at 15F to F	14	07-Jun-17	20-Jun-17	14-Jul-17	27-Jul-17	100%	0%	-37	
A53560	3rd Shopdrawing Cast-in Embed for Window Wall, Facac	14	16-Jun-17	29-Jun-17	17-Jul-17	31-Jul-17	100%	0%	-32	
A53800	3rd Shopdrawing for Window Wall & Louver at 2F to 14	14	24-Jun-17	07-Jul-17	20-Jul-17	03-Aug-17	42.86%	0%	-27	
A53620	3rd Shopdrawing Cast-in Embed for Window Wall & Lou	14	29-Jun-17	12-Jul-17	28-Jul-17	10-Aug-17	7.14%	0%	-29	
A53670	3rd Shopdrawing Cast-in Embed for Window Wall & Lou	14	18-Jun-17	01-Jul-17	28-Jul-17	10-Aug-17	85.71%	0%	-40	
A53720	2nd Shopdrawing for Window Wall, Facade Window, Lo	14	17-Jun-17	30-Jun-17	28-Jul-17	10-Aug-17	92.86%	0%	-41	
A53850	3rd Shopdrawing for Window Wall & Louver at 15F to R	14	21-Jun-17	04-Jul-17	28-Jul-17	10-Aug-17	64.29%	0%	-37	
A53680	3rd Shopdrawing Cast-in Embed for Window Wall & Lou	14	02-Jul-17	15-Jul-17	11-Aug-17	24-Aug-17	0%	0%	-40	
A53730	3rd Shopdrawing for Window Wall, Facade Window, Lou	14	01-Jul-17	14-Jul-17	11-Aug-17	24-Aug-17	0%	0%	-41	
A53860	3rd Shopdrawing for Window Wall & Louver at 15F to R	14	05-Jul-17	18-Jul-17	11-Aug-17	24-Aug-17	0%	0%	-37	
A53740	3rd Shopdrawing for Window Wall, Facade Window, Lou	14	15-Jul-17	28-Jul-17	25-Aug-17	07-Sep-17	0%	0%	-41	
PERFORMANCE MOCK UP TEST										
PERFORMANCE MOCK UP TEST - by PISA										
A53990	1st Performance Mock Up Test Design Submission of Wi	14	21-Mar-17	03-Apr-17	21-Mar-17	02-Jul-17	100%	78.57%	-90	
A53910	3rd Performance Mock Up Test Design Submission of W	14	24-Mar-17	06-Apr-17	24-Mar-17	05-Jul-17	100%	57.14%	-90	
A53940	1st Performance Mock Up Test Design Submission of Wi	14	28-Mar-17	10-Apr-17	28-Mar-17	09-Jul-17	100%	28.57%	-90	
A54000	1st Performance Mock Up Test Design Submission of Wi	14	23-May-17	05-Jun-17	03-Jul-17	16-Jul-17	100%	0%	-41	
A53920	3rd Performance Mock Up Test Design Submission of W	14	26-May-17	08-Jun-17	06-Jul-17	19-Jul-17	100%	0%	-41	
A53950	2nd Performance Mock Up Test Design Submission of W	14	30-May-17	12-Jun-17	10-Jul-17	23-Jul-17	100%	0%	-41	
A54010	2nd Performance Mock Up Test Design Submission of W	14	06-Jun-17	19-Jun-17	17-Jul-17	30-Jul-17	100%	0%	-41	
A53960	2nd Performance Mock Up Test Design Submission of W	14	13-Jun-17	26-Jun-17	24-Jul-17	06-Aug-17	100%	0%	-41	
A54020	2nd Performance Mock Up Test Design Submission of W	14	20-Jun-17	03-Jul-17	31-Jul-17	13-Aug-17	71.43%	0%	-41	
A53970	3rd Performance Mock Up Test Design Submission of W	14	27-Jun-17	10-Jul-17	07-Aug-17	20-Aug-17	21.43%	0%	-41	
A54030	3rd Performance Mock Up Test Design Submission of W	14	04-Jul-17	17-Jul-17	14-Aug-17	27-Aug-17	0%	0%	-41	
A53980	3rd Performance Mock Up Test Design Submission of W	14	11-Jul-17	24-Jul-17	21-Aug-17	03-Sep-17	0%	0%	-41	
A54040	3rd Performance Mock Up Test Design Submission of W	14	18-Jul-17	31-Jul-17	28-Aug-17	10-Sep-17	0%	0%	-41	
BD DRAWING + DESIGN CALCULATION										
BD DRAWING + DESIGN CALCULATION - by Redland										
A54080	2nd BD Submission for PreCast Tubes, Columns and Roo	14	05-Jan-17	18-Jan-17	05-Jan-17	05-Jul-17	100%	58.01%	-168	
BD DRAWING + DESIGN CALCULATION - by PISA										
A54340	1st BD Submission for Window Wall & Louver at 2F to 1	14	28-Mar-17	10-Apr-17	28-Mar-17	03-Jul-17	100%	71.99%	-84	
A54170	2nd BD Submission Cast-in Embed for Window Wall & L	14	29-Mar-17	11-Apr-17	29-Mar-17	10-Jul-17	100%	23.01%	-90	
A54280	1st BD Submission for Window Wall, Facade Window, Lo	14	30-Mar-17	12-Apr-17	30-Mar-17	11-Jul-17	100%	16%	-90	
A54220	1st BD Submission Cast-in Embed for Window Wall & Lo	14	30-Mar-17	12-Apr-17	30-Mar-17	12-Jul-17	100%	9%	-91	
A54390	1st BD Submission for Window Wall & Louver at 15F to	14	20-May-17	02-Jun-17	30-Jun-17	13-Jul-17	100%	0%	-41	
A54350	2nd BD Submission for Window Wall & Louver at 2F to	14	30-May-17	12-Jun-17	03-Jul-17	17-Jul-17	100%	0%	-35	
A54180	2nd BD Submission Cast-in Embed for Window Wall & L	14	31-May-17	13-Jun-17	10-Jul-17	24-Jul-17	100%	0%	-41	
A54290	2nd BD Submission for Window Wall, Facade Window, L	14	01-Jun-17	14-Jun-17	11-Jul-17	25-Jul-17	100%	0%	-41	
A54230	2nd BD Submission Cast-in Embed for Window Wall & L	14	02-Jun-17	15-Jun-17	12-Jul-17	26-Jul-17	100%	0%	-41	
A54400	1st BD Submission for Window Wall & Louver at 15F to F	14	03-Jun-17	16-Jun-17	14-Jul-17	27-Jul-17	100%	0%	-41	
A54360	2nd BD Submission for Window Wall & Louver at 2F to 1	14	13-Jun-17	26-Jun-17	17-Jul-17	31-Jul-17	100%	0%	-35	
A54190	3rd BD Submission Cast-in Embed for Window Wall & Lo	14	14-Jun-17	27-Jun-17	24-Jul-17	07-Aug-17	100%	0%	-41	
A54300	2nd BD Submission for Window Wall, Facade Window, L	14	15-Jun-17	28-Jun-17	25-Jul-17	08-Aug-17	100%	0%	-41	
A54240	2nd BD Submission Cast-in Embed for Window Wall & L	14	16-Jun-17	29-Jun-17	26-Jul-17	09-Aug-17	100%	0%	-41	
A54410	2nd BD Submission for Window Wall & Louver at 15F to	14	17-Jun-17	30-Jun-17	28-Jul-17	10-Aug-17	92.86%	0%	-41	
A54370	3rd BD Submission for Window Wall & Louver at 2F to 1	14	27-Jun-17	10-Jul-17	31-Jul-17	14-Aug-17	21.43%	0%	-35	
A54200	3rd BD Submission Cast-in Embed for Window Wall & Lo	14	28-Jun-17	11-Jul-17	07-Aug-17	21-Aug-17	14.29%	0%	-41	
A54310	3rd BD Submission for Window Wall, Facade Window, L	14	29-Jun-17	12-Jul-17	08-Aug-17	22-Aug-17	7.14%	0%	-41	
A54250	3rd BD Submission Cast-in Embed for Window Wall & Lo	14	30-Jun-17	13-Jul-17	09-Aug-17	23-Aug-17	0%	0%	-41	
A54420	2nd BD Submission for Window Wall & Louver at 15F to	14	01-Jul-17	14-Jul-17	11-Aug-17	24-Aug-17	0%	0%	-41	
A54380	3rd BD Submission for Window Wall & Louver at 2F to 1	14	11-Jul-17	24-Jul-17	14-Aug-17	28-Aug-17	0%	0%	-35	
A54320	3rd BD Submission for Window Wall, Facade Window, L	14	13-Jul-17	26-Jul-17	22-Aug-17	05-Sep-17	0%	0%	-41	
A54260	3rd BD SUbmission Cast-in Embed for Window Wall & Lo	14	14-Jul-17	27-Jul-17	23-Aug-17	06-Sep-17	0%	0%	-41	



Data Date: 30-Jun-17
Layout Name: 01) CMWP - 3MRP (Template)
File Name: Three Months Rolling Programme 3MRP - Mth21 (30 June 2017)

Three Months Rolling Programme (3MRP) - Mth 21 - 30 June 2017

Activity ID	Activity Name	CMWP Dur.	CMWP - R0.D5 Start	CMWP -R0.D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	Comments / Mitigating Measures
A54430	3rd BD Submission for Window Wall & Louver at 15F to	14	15-Jul-17	28-Jul-17	25-Aug-17	07-Sep-17	0%	0%	-41	
A54440	3rd BD Submission for Window Wall & Louver at 15F to	14	29-Jul-17	11-Aug-17	08-Sep-17	21-Sep-17	0%	0%	-41	
ABWF & Building Services										
RC Structure Completion & ABWF Access Dates										
B2/F Access										
A11300	Zone A - Complete B2F @ GL 5-6/F-H, GL 3-5/A-C, GL 1-	0		28-Jun-17		19-Jan-17 A	100%	100%	160	
A11330	Zone A - Complete B2F @ GL 1-5/F-K	0		06-Jun-17		19-Jan-17 A	100%	100%	138	Clearing in progress
A11370	Zone B1S2 - Complete B2F @ GL 5'-1/A	0		22-Jun-17		04-Jul-17	100%	0%	-12	
B1/F Access										
A12280	Zone GFU2 - Complete B1F @ GL 4'-6'/I'-J'	0		26-Jun-17		10-Jun-17 A	100%	100%	17	
A12170	Zone GFT5 - Complete B1F @ GL 4'-6'/A'-B'	0		19-May-17		30-Jun-17	100%	0%	-41	
A12150	Zone GFT6 - Complete B1F @ GL 4'-6'/A-A'	0		21-Jul-17		21-Aug-17	0%	0%	-30	
A12080	Zone H - Complete B1F @ GL 11-14/K-M	0		28-Sep-17		08-Nov-17	0%	0%	-41	
LG/F Access										
A20520	Sector G	0		26-Jun-17		27-Jun-17 A	100%	100%	0	
A20530	Sector F	0		08-Jun-17		30-Jun-17	100%	0%	-21	
M+ Podium Access										
A58560	Zone M Access - Complete & De-prop Zone M Podium S	0		04-Jul-17		28-Jul-17	0%	0%	-21	
A58470	Zone A2 Access - Complete & De-prop Zone A2 Structure	0		07-Jul-17		31-Jul-17	0%	0%	-19	
A58570	Zone N Access - Complete & De-prop Zone N Podium Stı	0		14-Aug-17		09-Aug-17	0%	0%	5	
A58510	Zone H Access - Complete & De-prop Zone H Structure ((	0		14-Jul-17		23-Aug-17	0%	0%	-34	
A58460	Zone A1 Access - Complete & De-prop Zone A1 Structure	0		19-Jul-17		28-Aug-17	0%	0%	-34	
A58490	Zone A4 Access - Complete & De-prop Zone A4 Structure	0		21-Aug-17		21-Sep-17	0%	0%	-27	
A58520	Zone E Access - Complete & De-prop Zone E Structure	0		01-Sep-17		07-Oct-17	0%	0%	-29	
A59150	Zone C Access - Complete & De-prop Zone C Structure	0		21-Sep-17		03-Nov-17	0%	0%	-34	
M+ Tower Access										
Tower Structure Completion Preparation for Builders' Work Access										
A20710	4/F Curing & Falseworks Stripping	20	24-Sep-17	15-Oct-17	26-Sep-17	17-Oct-17	0%	0%	-2	
Facade Completion & Fit-out Works Access Dates (Weathertight)										
A23690	15/F Facade Installation Complete	0		19-May-17		30-Jun-17	100%	0%	-40	
A23570	3/F Facade Installation Complete	0		19-May-17		30-Jun-17	100%	0%	-40	
A23580	4/F Facade Installation Complete	0		19-May-17		30-Jun-17	100%	0%	-40	
A23590	5/F Facade Installation Complete	0		19-May-17		30-Jun-17	100%	0%	-40	
A23600	6/F Facade Installation Complete	0		19-May-17		30-Jun-17	100%	0%	-40	
A23610	7/F Facade Installation Complete	0		19-May-17		30-Jun-17	100%	0%	-40	
A23620	8/F Facade Installation Complete	0		19-May-17		30-Jun-17	100%	0%	-40	
A23630	9/F Facade Installation Complete	0		19-May-17		30-Jun-17	100%	0%	-40	
A23640	10/F Facade Installation Complete	0		19-May-17		30-Jun-17	100%	0%	-40	
A23650	11/F Facade Installation Complete	0		19-May-17		30-Jun-17	100%	0%	-40	
A23660	12/F Facade Installation Complete	0		19-May-17		30-Jun-17	100%	0%	-40	
A23670	13/F Facade Installation Complete	0		19-May-17		30-Jun-17	100%	0%	-40	
A23680	14/F Facade Installation Complete	0		19-May-17		30-Jun-17	100%	0%	-40	
A20850	4/F Fit-Out Works Access	0	20-May-17		30-Jun-17		100%	0%	-40	
A20860	5/F Fit-Out Works Access	0	20-May-17		30-Jun-17		100%	0%	-40	
A20870	6/F Fit-Out Works Access	0	20-May-17		30-Jun-17		100%	0%	-40	
A20880	7/F Fit-Out Works Access	0	20-May-17		30-Jun-17		100%	0%	-40	
A23700	16/F Facade Installation Complete	0		19-May-17		30-Jun-17	100%	0%	-40	
A20890	8/F Fit-Out Works Access	0	20-May-17		30-Jun-17		100%	0%	-40	
A20900	9/F Fit-Out Works Access	0	20-May-17		30-Jun-17		100%	0%	-40	
A20910	10/F Fit-Out Works Access	0	20-May-17		30-Jun-17		100%	0%	-40	
A20920	11/F Fit-Out Works Access	0	20-May-17		30-Jun-17		100%	0%	-40	
A20930	12/F Fit-Out Works Access	0	20-May-17		30-Jun-17		100%	0%	-40	
A20940	13/F Fit-Out Works Access	0	20-May-17		30-Jun-17		100%	0%	-40	
A20950	14/F Fit-Out Works Access	0	20-May-17		30-Jun-17		100%	0%	-40	
Lifts and Escalators										
Podium Lift & Escalator Installation										
Art Lift (LT13) @ Zone A1										
LT10530	Available of lift Shaft LT13 (w/ Zone A1 Temporary wate	0		19-Sep-17		23-Oct-17	0%	0%	-34	



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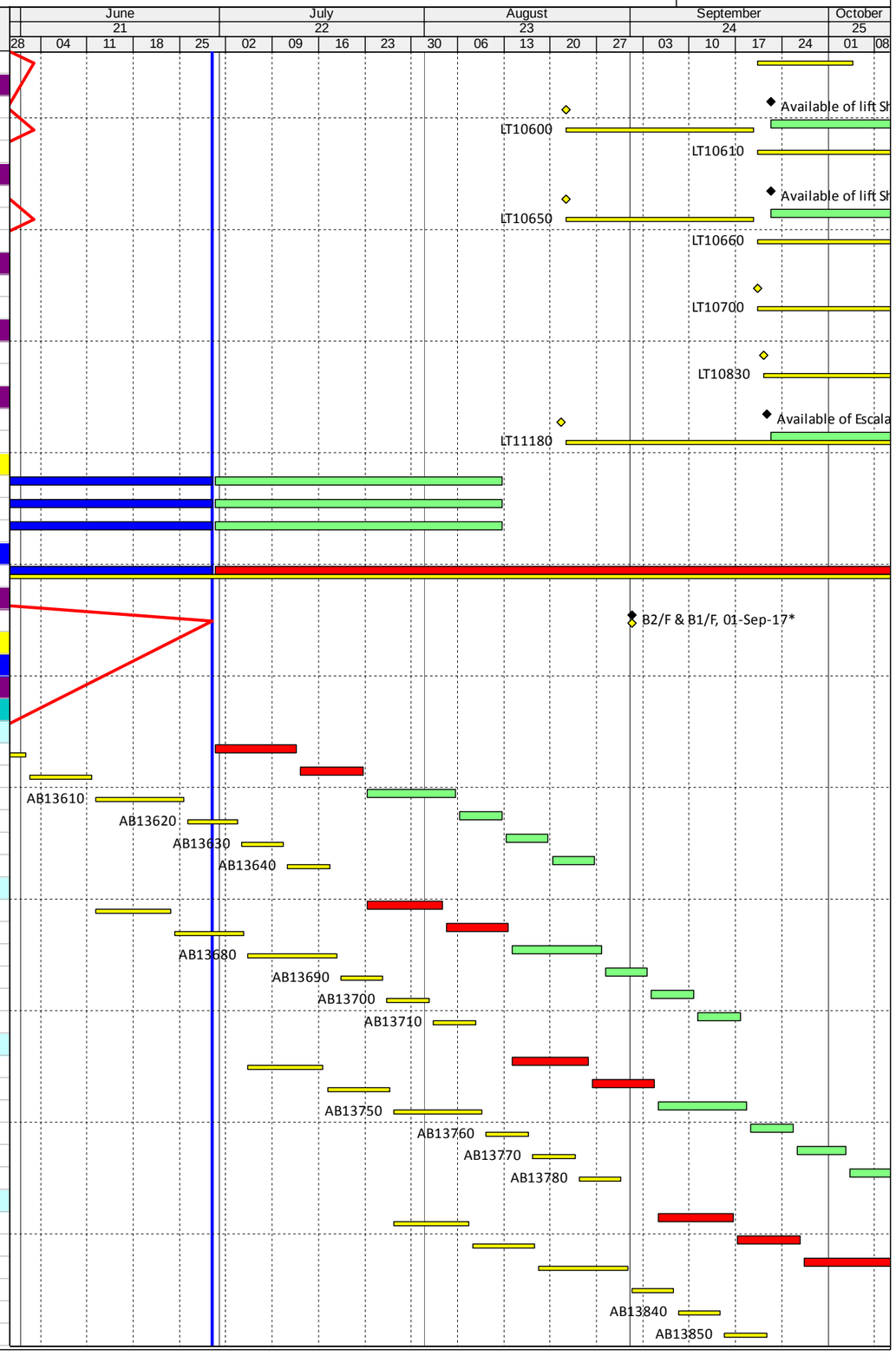
Layout Name: 01) CMWP - 3MRP (Template)
File Name: Three Months Rolling Programme 3MRP - Mth21 (30 June 2017)

Three Months Rolling Programme (3MRP) - Mth 21 - 30 June 2017

Activity ID	Activity Name	CMWP Dur.	CMWP - R0.D5 Start	CMWP -R0.D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	Comments / Mitigating Measures
LT10535	Builders' Work for LT13 Lift Shaft & M/C Room	12	20-Sep-17	04-Oct-17	24-Oct-17	07-Nov-17	0%	0%	-27	
Passenger Lift, FS & Disable Lift (LT12) @ Zone A1										
LT10590	Available of lift Shaft LT12 (w/ Zone A1 Temporary wate	0	22-Aug-17		22-Sep-17		0%	0%	-31	
LT10600	Builders' Work for LT12 Lift Shaft	25	22-Aug-17	19-Sep-17	22-Sep-17	23-Oct-17	0%	0%	-27	
LT10610	Lift Car Installation (LT12)	60	20-Sep-17	18-Nov-17	24-Oct-17	22-Dec-17	0%	0%	-34	
Passenger Lift, FS & Disable Lift (LT14) @ Zone A4										
LT10640	Available of lift Shaft LT14 (w/ Zone A4 Temporary wate	0	22-Aug-17		22-Sep-17		0%	0%	-31	
LT10650	Builders' Work for LT14 Lift Shaft	25	22-Aug-17	19-Sep-17	22-Sep-17	23-Oct-17	0%	0%	-27	
LT10660	Lift Car Installation (LT14)	60	20-Sep-17	18-Nov-17	24-Oct-17	22-Dec-17	0%	0%	-34	
Passenger Lift, Diable Lift (LT15, LT16 & LT17) @ Zone A4										
LT10690	Available of lift Shaft LT14 (w/ Zone A4 Temporary wate	0	20-Sep-17		24-Oct-17		0%	0%	-34	
LT10700	Builders' Work for LT15 , LT16 & LT17 Lift Shafts	25	20-Sep-17	14-Oct-17	24-Oct-17	17-Nov-17	0%	0%	-34	
Passenger Lift, FS Lift (LT21 & LT22) @ Zone E										
LT10820	Available of lift Shaft LT21 & LT22 (w/ Zone E Temporary	0	21-Sep-17		03-Nov-17		0%	0%	-43	
LT10830	Builders' Work for LT21 & LT22 Lift Shaft	25	21-Sep-17	21-Oct-17	03-Nov-17	01-Dec-17	0%	0%	-34	
Escalators (ES03 & ES04) @ Zone A B1F to GF										
LT11170	Available of Escalator Pit ES03 & ES04 at Zone A	0		21-Aug-17		21-Sep-17	0%	0%	-31	
LT11180	Escalators ES03 & ES04 Installation	60	22-Aug-17	20-Oct-17	22-Sep-17	20-Nov-17	0%	0%	-31	
ABWF & BS Pre-Construction Works										
AB10070	Shop drawings Submission & Approval	210	02-Oct-16	12-May-17	02-Oct-16	12-Aug-17	100%	79.52%	-90	
AB10080	Method Statement & ITP Submission & Approval	210	02-Oct-16	12-May-17	02-Oct-16	12-Aug-17	100%	79.52%	-90	
AB10090	Materials Submission & Approval	210	02-Oct-16	12-May-17	02-Oct-16	12-Aug-17	100%	79.52%	-90	
Long Lead Materials Procurement & Delivery										
AB10100	Others	270	06-Jan-17	15-Oct-17	06-Jan-17	16-Jan-18	61.11%	28.15%	-89	
Doors										
AB10110	B2/F & B1/F	0	01-Sep-17		)1-Sep-17*		0%	0%	0	
ABWF & Building Services Installation										
M+ Basement ABWF & BS Installation										
B2/F - Zone E & Zone E2 (Sector A)										
Tanks										
M+ Sprinkler Water Tank										
AB13590	Waterproofing & water test	12	20-May-17	01-Jun-17	30-Jun-17	12-Jul-17	100%	0%	-40	concrete defect being r
AB13600	Plastering work (inside tank)	10	02-Jun-17	11-Jun-17	13-Jul-17	22-Jul-17	100%	0%	-40	
AB13610	Wall & floor tiling	14	12-Jun-17	25-Jun-17	23-Jul-17	05-Aug-17	100%	0%	-40	
AB13620	Application of sealer on soffit (outside tank)	7	26-Jun-17	03-Jul-17	06-Aug-17	12-Aug-17	57.14%	0%	-40	
AB13630	Cat ladder	7	04-Jul-17	10-Jul-17	13-Aug-17	19-Aug-17	0%	0%	-40	
AB13640	Hatch cover	7	11-Jul-17	17-Jul-17	20-Aug-17	26-Aug-17	0%	0%	-40	
M+ FS Water Tank										
AB13660	Waterproofing & water test	12	12-Jun-17	23-Jun-17	23-Jul-17	03-Aug-17	100%	0%	-40	
AB13670	Plastering work (inside tank)	10	24-Jun-17	04-Jul-17	04-Aug-17	13-Aug-17	60%	0%	-40	
AB13680	Wall & floor tiling	14	05-Jul-17	18-Jul-17	14-Aug-17	27-Aug-17	0%	0%	-40	
AB13690	Application of sealer on soffit (outside tank)	7	19-Jul-17	25-Jul-17	28-Aug-17	03-Sep-17	0%	0%	-40	
AB13700	Cat ladder	7	26-Jul-17	01-Aug-17	04-Sep-17	10-Sep-17	0%	0%	-40	
AB13710	Hatch cover	7	02-Aug-17	08-Aug-17	11-Sep-17	17-Sep-17	0%	0%	-40	
M+ IR Tank										
AB13730	Waterproofing & water test	12	05-Jul-17	16-Jul-17	14-Aug-17	25-Aug-17	0%	0%	-40	
AB13740	Plastering work (inside tank)	10	17-Jul-17	26-Jul-17	26-Aug-17	04-Sep-17	0%	0%	-40	
AB13750	Wall & floor tiling	14	27-Jul-17	09-Aug-17	05-Sep-17	18-Sep-17	0%	0%	-40	
AB13760	Application of sealer on soffit (outside tank)	7	10-Aug-17	16-Aug-17	19-Sep-17	25-Sep-17	0%	0%	-40	
AB13770	Cat ladder	7	17-Aug-17	23-Aug-17	26-Sep-17	03-Oct-17	0%	0%	-40	
AB13780	Hatch cover	7	24-Aug-17	30-Aug-17	04-Oct-17	11-Oct-17	0%	0%	-40	
Rain Water Retention Tank										
AB13800	Waterproofing & water test	12	27-Jul-17	07-Aug-17	05-Sep-17	16-Sep-17	0%	0%	-40	
AB13810	Plastering work (inside tank)	10	08-Aug-17	17-Aug-17	17-Sep-17	26-Sep-17	0%	0%	-40	
AB13820	Wall & floor tiling	14	18-Aug-17	31-Aug-17	27-Sep-17	12-Oct-17	0%	0%	-40	
AB13830	Application of sealer on soffit (outside tank)	7	01-Sep-17	07-Sep-17	13-Oct-17	19-Oct-17	0%	0%	-40	
AB13840	Cat ladder	7	08-Sep-17	14-Sep-17	20-Oct-17	26-Oct-17	0%	0%	-40	
AB13850	Hatch cover	7	15-Sep-17	21-Sep-17	27-Oct-17	03-Nov-17	0%	0%	-40	



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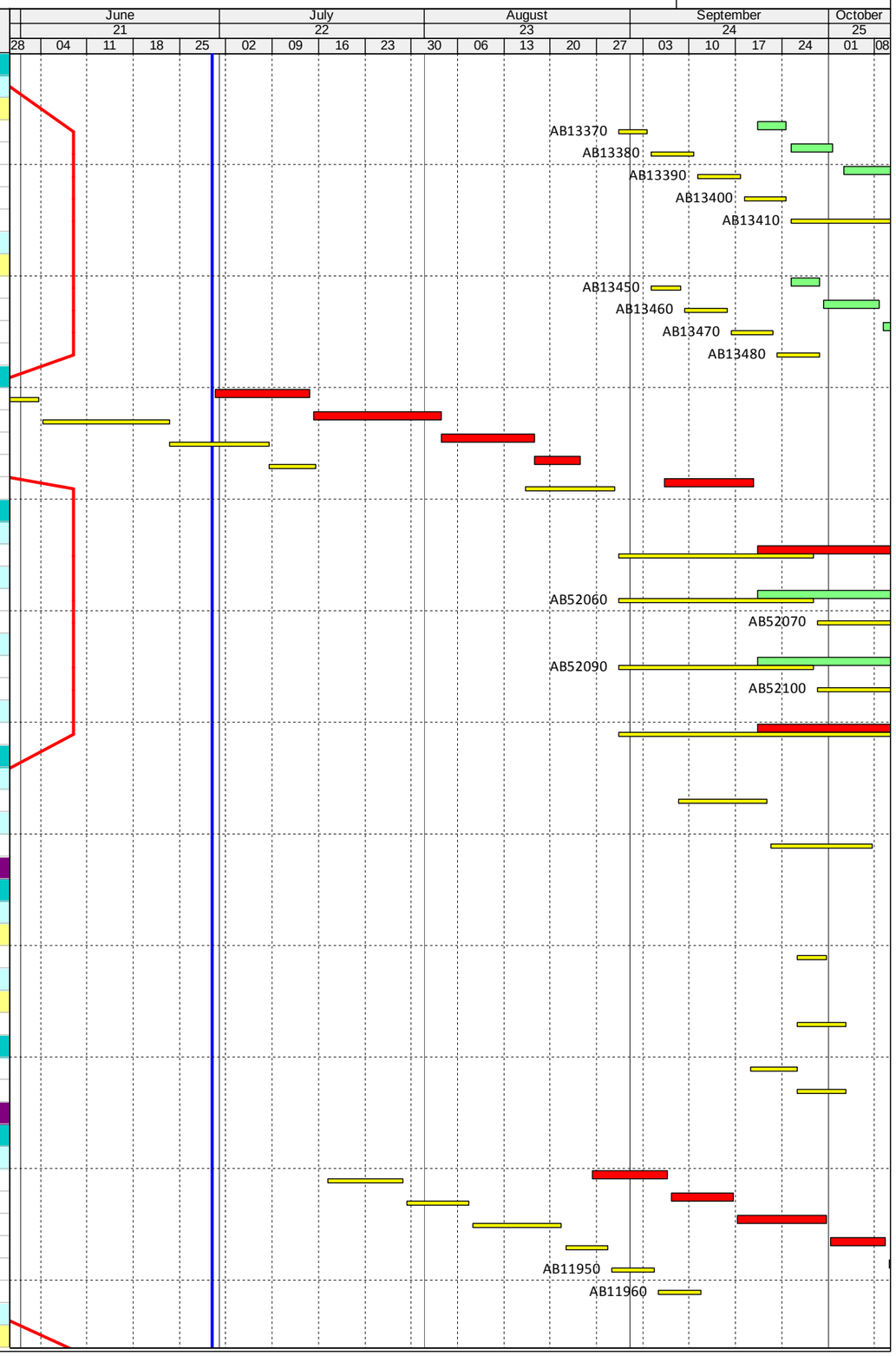
Three Months Rolling Programme (3MRP) - Mth 21 - 30 June 2017

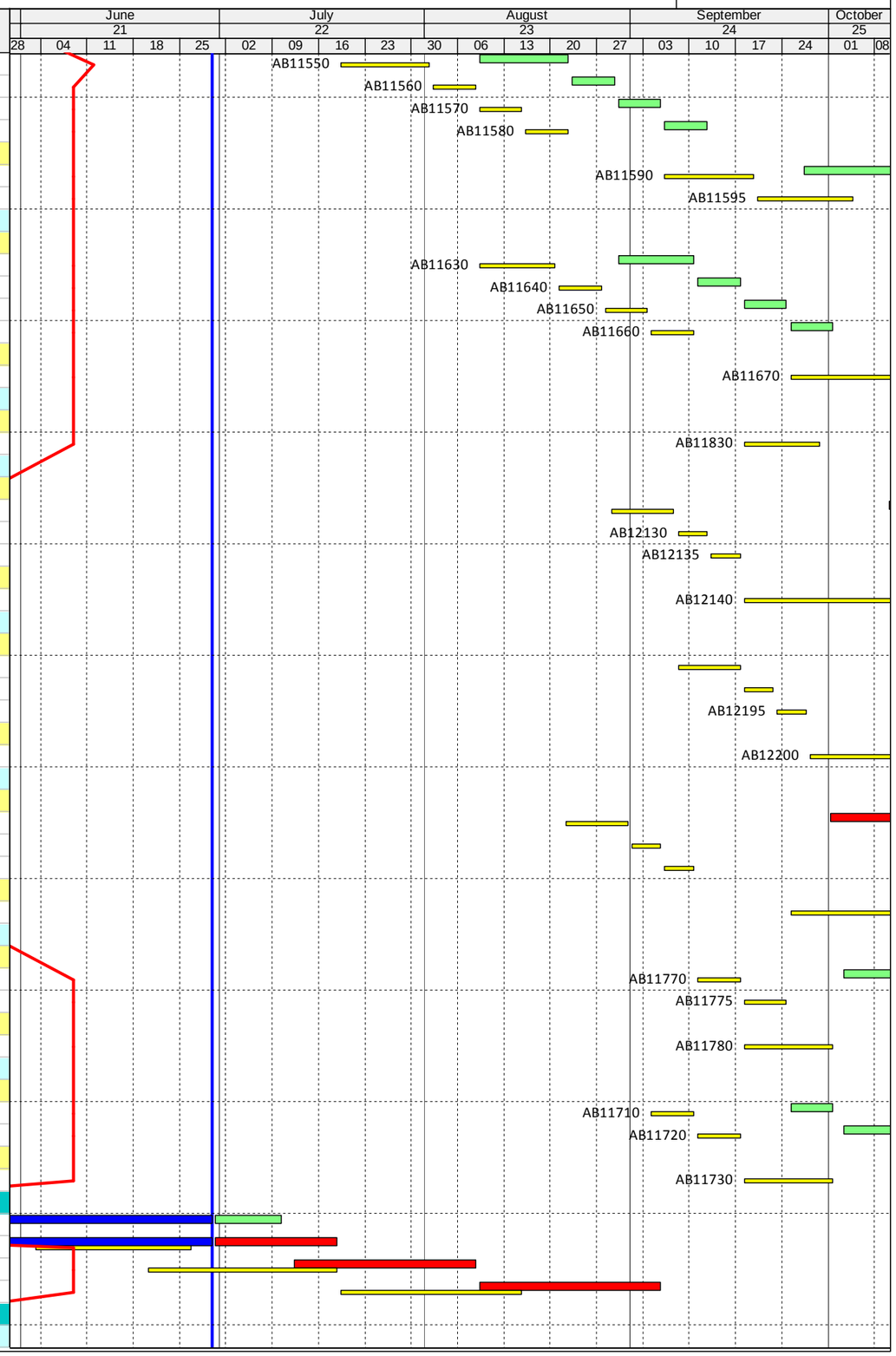
Activity ID	Activity Name	CMWP Dur.	CMWP - R0.D5 Start	CMWP -R0.D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	Comments / Mitigating Measures
Plantrooms										
FS Pump Room										
Builders' Work										
AB13370	Concrete plinth	5	30-Aug-17	03-Sep-17	20-Sep-17	24-Sep-17	0%	0%	-21	
AB13380	Wall rendering	7	04-Sep-17	10-Sep-17	25-Sep-17	01-Oct-17	0%	0%	-21	
AB13390	Floor Screeding	7	11-Sep-17	17-Sep-17	03-Oct-17	10-Oct-17	0%	0%	-21	
AB13400	Wall Epoxy Paint	7	18-Sep-17	24-Sep-17	11-Oct-17	17-Oct-17	0%	0%	-21	
AB13410	Sealer on ceiling soffit & application of epoxy paint on w	14	25-Sep-17	10-Oct-17	18-Oct-17	01-Nov-17	0%	0%	-21	
IR/ RW/ ACC Condensate Pump Room & Water Meter Room										
Builders' Work										
AB13450	Concrete plinth	5	04-Sep-17	08-Sep-17	25-Sep-17	29-Sep-17	0%	0%	-21	
AB13460	Wall rendering	7	09-Sep-17	15-Sep-17	30-Sep-17	08-Oct-17	0%	0%	-21	
AB13470	Floor Screeding	7	16-Sep-17	22-Sep-17	09-Oct-17	15-Oct-17	0%	0%	-21	
AB13480	Wall Epoxy Paint	7	23-Sep-17	29-Sep-17	16-Oct-17	22-Oct-17	0%	0%	-21	
General Builders' Work										
AB13320	Steel Post	14	20-May-17	03-Jun-17	30-Jun-17	14-Jul-17	100%	0%	-40	
AB13330	Blockwall	20	04-Jun-17	23-Jun-17	15-Jul-17	03-Aug-17	100%	0%	-40	
AB13340	Wall Plastering	14	23-Jun-17	08-Jul-17	03-Aug-17	17-Aug-17	45.71%	0%	-40	
AB13350	Floor Screeding	7	08-Jul-17	15-Jul-17	17-Aug-17	24-Aug-17	0%	0%	-40	
AB13360	Drywall (MEP consealed items, close up panel)	14	16-Aug-17	29-Aug-17	06-Sep-17	19-Sep-17	0%	0%	-21	
General BS Installation										
Electrical Systems										
AB13925	MEP 1st fix - B2F Sector A	30	30-Aug-17	28-Sep-17	20-Sep-17	21-Oct-17	0%	0%	-21	
Plumbing & Drainage										
AB52060	P&D 1st fix - B2F Sector A	30	30-Aug-17	28-Sep-17	20-Sep-17	21-Oct-17	0%	0%	-21	
AB52070	P&D 2nd fix - B2F Sector A	45	29-Sep-17	15-Nov-17	22-Oct-17	06-Dec-17	0%	0%	-21	
FS System										
AB52090	FS 1st fix - B2F Sector A	30	30-Aug-17	28-Sep-17	20-Sep-17	21-Oct-17	0%	0%	-21	
AB52100	FS 2nd fix - B2F Sector A	45	29-Sep-17	15-Nov-17	22-Oct-17	06-Dec-17	0%	0%	-21	
HVAC System										
AB52120	HVAC 1st fix - B2F Sector A	60	30-Aug-17	31-Oct-17	20-Sep-17	21-Nov-17	0%	0%	-21	
Workshops, Storages & Offices										
I.S. Workshop Facility, MO EQ Room										
AB13870	Skim coat, application of epoxy paint on wall and sealer	14	08-Sep-17	21-Sep-17	20-Oct-17	03-Nov-17	0%	0%	-40	
Exhibit Tech/ Electrical Workroom, Corridor, Exhibit Lighting Electrical Shop/ Storage, General Stor										
AB13910	Skim coat, application of epoxy paint on wall and sealer	14	22-Sep-17	07-Oct-17	04-Nov-17	17-Nov-17	0%	0%	-40	
B2/F - Zone H (Sector B)										
Plantrooms										
DCS Chiller Plant										
Builders' Work										
AB11330	Concrete Plinth	5	26-Sep-17	30-Sep-17	05-Nov-17	09-Nov-17	0%	0%	-37	
Main Control Circuit Room										
Builders' Work										
AB11290	Steel Post	7	26-Sep-17	03-Oct-17	05-Nov-17	11-Nov-17	0%	0%	-37	
General Builders' Work										
AB11360	Steel Post	7	19-Sep-17	26-Sep-17	29-Oct-17	05-Nov-17	0%	0%	-37	
AB11370	Blockwall	7	26-Sep-17	03-Oct-17	05-Nov-17	11-Nov-17	0%	0%	-37	
B2/F - Zone A (Sector C)										
Plantrooms										
SH Water Tank/ Street Hydrant Tank										
AB11910	Waterproofing & water test	12	17-Jul-17	28-Jul-17	26-Aug-17	06-Sep-17	0%	0%	-40	
AB11920	Plastering work (inside tank)	10	29-Jul-17	07-Aug-17	07-Sep-17	16-Sep-17	0%	0%	-40	
AB11930	Wall & floor tiling	14	08-Aug-17	21-Aug-17	17-Sep-17	30-Sep-17	0%	0%	-40	
AB11940	Application of sealer on soffit (outside tank)	7	22-Aug-17	28-Aug-17	01-Oct-17	09-Oct-17	0%	0%	-40	
AB11950	Cat ladder	7	29-Aug-17	04-Sep-17	10-Oct-17	16-Oct-17	0%	0%	-40	
AB11960	Hatch cover	7	05-Sep-17	11-Sep-17	17-Oct-17	23-Oct-17	0%	0%	-40	
Grease Trap Room for Podium										
Builders' Work										



Data Date: 30-Jun-17
Layout Name: 01) CMWP - 3MRP (Template)
File Name: Three Months Rolling Programme 3MRP - Mth21 (30 June 2017)

Three Months Rolling Programme (3MRP) - Mth 21 - 30 June 2017

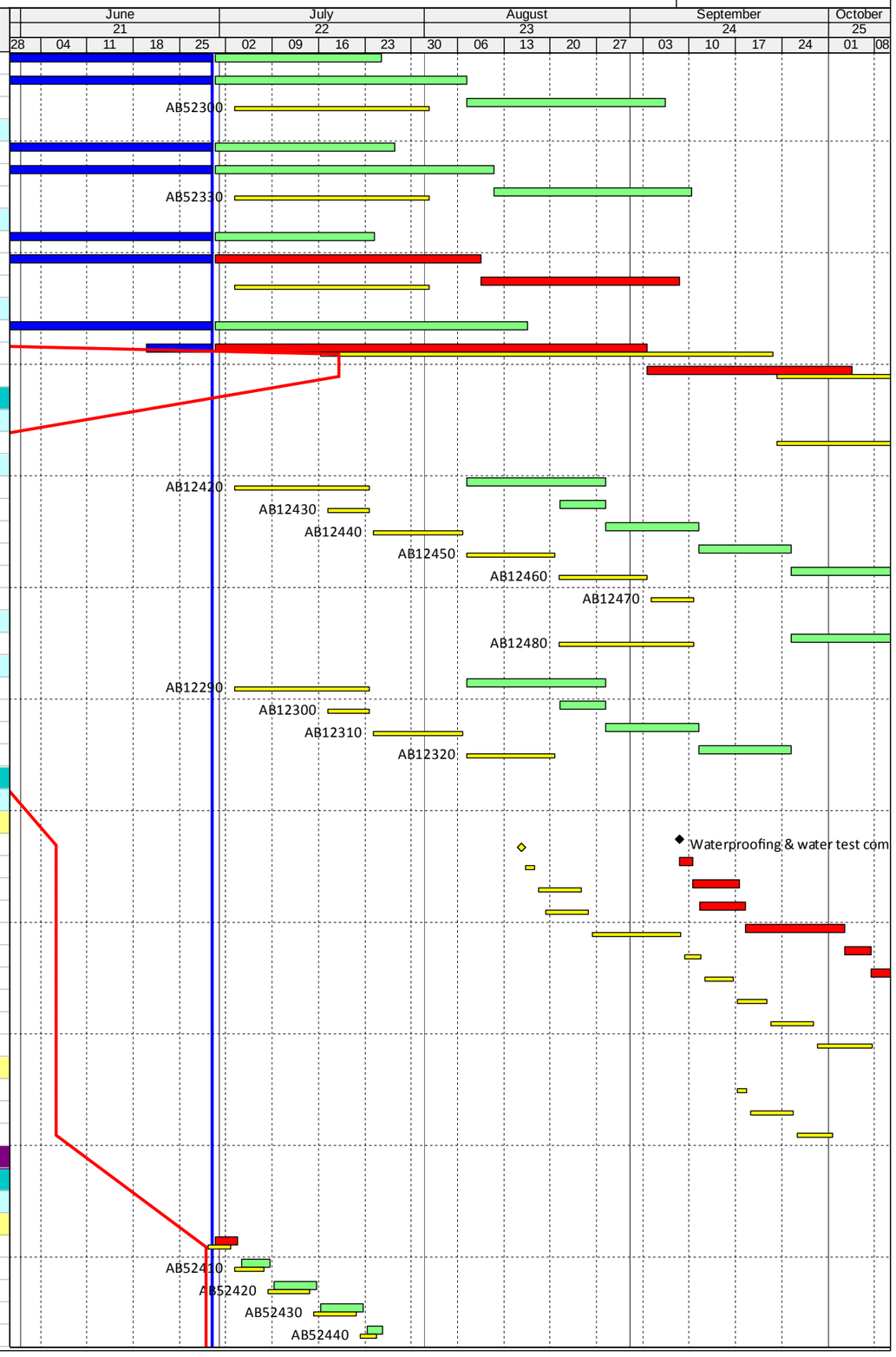
Activity ID	Activity Name	CMWP Dur.	CMWP - R0.D5 Start	CMWP -R0.D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	Comments / Mitigating Measures
AB11550	Concrete plinth & waterproofing works	12	19-Jul-17	01-Aug-17	09-Aug-17	22-Aug-17	0%	0%	-18	
AB11560	Floor Screeding	7	02-Aug-17	08-Aug-17	23-Aug-17	29-Aug-17	0%	0%	-21	
AB11570	Wall rendering	7	09-Aug-17	15-Aug-17	30-Aug-17	05-Sep-17	0%	0%	-21	
AB11580	Sealer on ceiling soffit & application of epoxy paint on w	7	16-Aug-17	22-Aug-17	06-Sep-17	12-Sep-17	0%	0%	-21	
BS Installation										
AB11590	General building services installation	14	06-Sep-17	19-Sep-17	27-Sep-17	12-Oct-17	0%	0%	-21	
AB11595	Install sewage pipes & SST grease trap tanks	14	20-Sep-17	04-Oct-17	13-Oct-17	26-Oct-17	0%	0%	-21	
M+ Water Pump Room										
Builders' Work										
AB11630	Concrete plinth & waterproofing works	12	09-Aug-17	20-Aug-17	30-Aug-17	10-Sep-17	0%	0%	-21	
AB11640	Floor Screeding	7	21-Aug-17	27-Aug-17	11-Sep-17	17-Sep-17	0%	0%	-21	
AB11650	Wall Rendering	7	28-Aug-17	03-Sep-17	18-Sep-17	24-Sep-17	0%	0%	-21	
AB11660	Sealer on ceiling soffit & application of epoxy paint on w	7	04-Sep-17	10-Sep-17	25-Sep-17	01-Oct-17	0%	0%	-21	
BS Installation										
AB11670	MEP 2nd fix	15	25-Sep-17	11-Oct-17	18-Oct-17	02-Nov-17	0%	0%	-21	
CSF FS Pump Room										
Builders' Work										
AB11830	Concrete plinth & waterproofing works	12	18-Sep-17	29-Sep-17	11-Oct-17	22-Oct-17	0%	0%	-21	
ICT Room										
Builders' Work										
AB12120	Blockwall	10	29-Aug-17	07-Sep-17	10-Oct-17	19-Oct-17	0%	0%	-40	
AB12130	Plastering & screeding	5	08-Sep-17	12-Sep-17	20-Oct-17	24-Oct-17	0%	0%	-40	
AB12135	Sealer on ceiling soffit & application of epoxy paint on w	5	13-Sep-17	17-Sep-17	25-Oct-17	30-Oct-17	0%	0%	-40	
BS Installation										
AB12140	MEP 2nd fix & final fix	30	18-Sep-17	19-Oct-17	31-Oct-17	29-Nov-17	0%	0%	-40	
ICT Riser										
Builders' Work										
AB12180	Blockwall	10	08-Sep-17	17-Sep-17	20-Oct-17	30-Oct-17	0%	0%	-40	
AB12190	Plastering & screeding	5	18-Sep-17	22-Sep-17	31-Oct-17	04-Nov-17	0%	0%	-40	
AB12195	Sealer on ceiling soffit & application of epoxy paint on w	5	23-Sep-17	27-Sep-17	05-Nov-17	09-Nov-17	0%	0%	-40	
BS Installation										
AB12200	MEP 2nd & final fix	30	28-Sep-17	30-Oct-17	10-Nov-17	09-Dec-17	0%	0%	-40	
Security Control Room										
Builders' Work										
AB11980	Blockwall	10	22-Aug-17	31-Aug-17	01-Oct-17	12-Oct-17	0%	0%	-40	
AB11990	Plastering & screeding	5	01-Sep-17	05-Sep-17	13-Oct-17	17-Oct-17	0%	0%	-40	
AB12000	Acoustic ceiling framework	5	06-Sep-17	10-Sep-17	18-Oct-17	22-Oct-17	0%	0%	-40	
BS Installation										
AB12010	MEP 2nd & final fix	30	25-Sep-17	26-Oct-17	07-Nov-17	06-Dec-17	0%	0%	-40	
Lift Machine Room for LT-11										
Builders' Work										
AB11770	Sealer on ceiling soffit	7	11-Sep-17	17-Sep-17	03-Oct-17	10-Oct-17	0%	0%	-21	
AB11775	Erect supporting frame	7	18-Sep-17	24-Sep-17	11-Oct-17	17-Oct-17	0%	0%	-21	
BS Installation										
AB11780	BS Installation	14	18-Sep-17	01-Oct-17	11-Oct-17	24-Oct-17	0%	0%	-21	
Lift Machine Room for LT-13										
Builders' Work										
AB11710	Sealer on ceiling soffit	7	04-Sep-17	10-Sep-17	25-Sep-17	01-Oct-17	0%	0%	-21	
AB11720	Erect support frame	7	11-Sep-17	17-Sep-17	03-Oct-17	10-Oct-17	0%	0%	-21	
BS Installation										
AB11730	BS Installation	14	18-Sep-17	01-Oct-17	11-Oct-17	24-Oct-17	0%	0%	-21	
General Builders' Work										
AB11500	Blockwall	14	06-Mar-17	19-Mar-17	06-Mar-17	10-Jul-17	100%	34%	-104	
AB11510	Wall Plastering	24	03-Jun-17	26-Jun-17	31-Mar-17	18-Jul-17	100%	25%	-21	
AB11520	Floor Screeding	28	20-Jun-17	18-Jul-17	12-Jul-17	08-Aug-17	35.71%	0%	-21	
AB11540	Drywall (MEP consealed items, close up panel)	28	19-Jul-17	15-Aug-17	09-Aug-17	05-Sep-17	0%	0%	-21	
General BS Installation										
Electrical System										



Data Date: 30-Jun-17
Layout Name: 01) CMWP - 3MRP (Template)
File Name: Three Months Rolling Programme 3MRP - Mth21 (30 June 2017)

Three Months Rolling Programme (3MRP) - Mth 21 - 30 June 2017

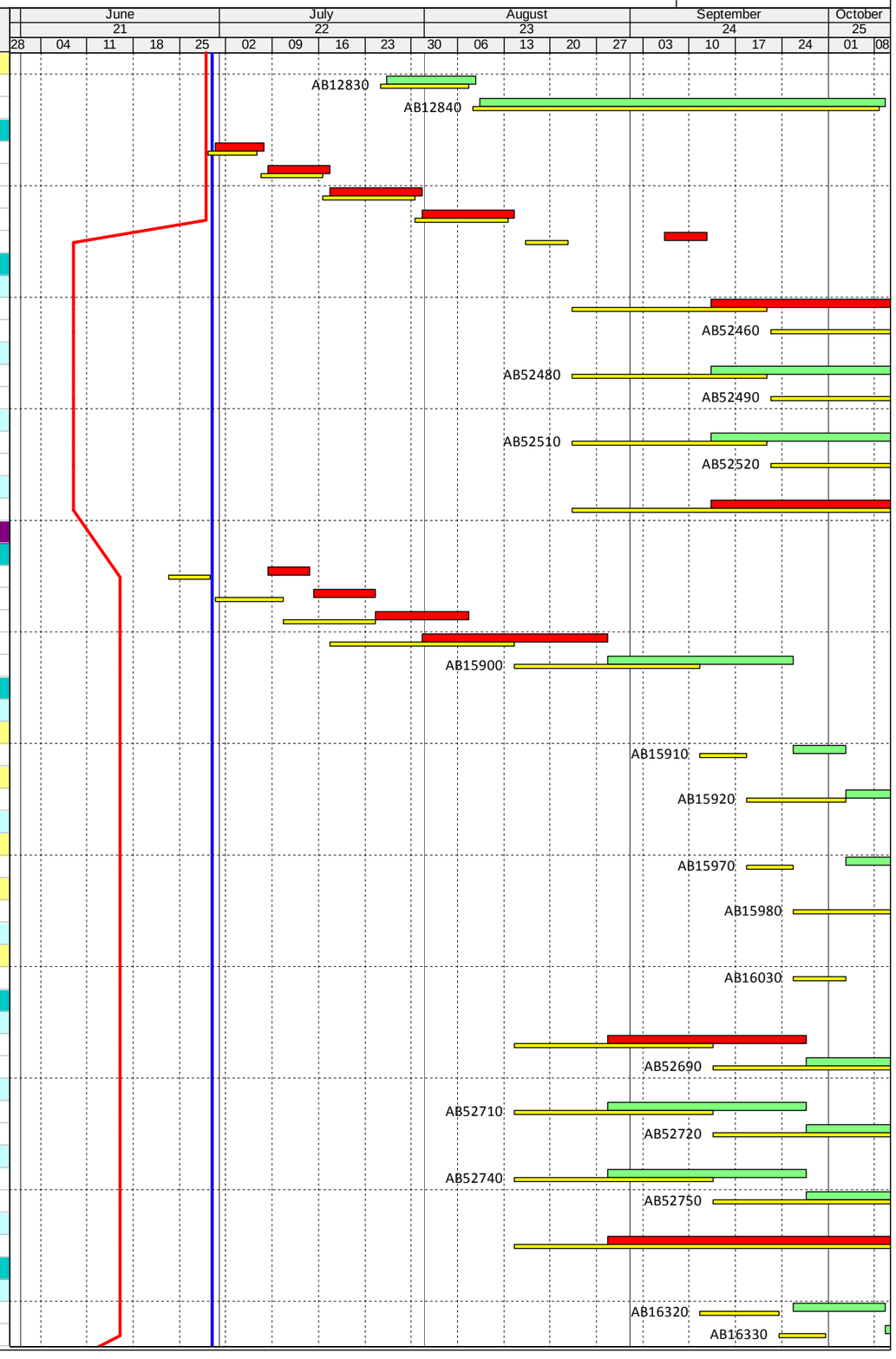
Activity ID	Activity Name	CMWP Dur.	CMWP - R0.D5 Start	CMWP -R0.D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	Comments / Mitigating Measures
AB52280	MEP 1st fix - B2F Sector C	30	15-Mar-17	16-Apr-17	15-Mar-17	25-Jul-17	100%	18%	-95	MEP work shared with \
AB52290	MEP 2nd fix - B2F Sector C	45	10-Apr-17	29-May-17	10-Apr-17	07-Aug-17	100%	17%	-67	Pending for RCP submis
AB52300	MEP Final fix - B2F Sector C	30	03-Jul-17	01-Aug-17	07-Aug-17	06-Sep-17	0%	0%	-35	MEP work in line with /
Plumbing & Drainage										
AB52310	P&D 1st fix - B2F Sector C	30	06-Feb-17	07-Mar-17	06-Feb-17	27-Jul-17	100%	12%	-133	MEP work shared with \
AB52320	P&D 2nd fix - B2F Sector C	45	10-Apr-17	29-May-17	10-Apr-17	11-Aug-17	100%	8%	-71	Pending for RCP submis
AB52330	P&D Final fix - B2F Sector C	30	03-Jul-17	01-Aug-17	11-Aug-17	10-Sep-17	0%	0%	-39	
FS System										
AB52340	FS 1st fix - B2F Sector C	30	15-Mar-17	16-Apr-17	15-Mar-17	24-Jul-17	100%	22%	-93	MEP work shared with \
AB52350	FS 2nd fix - B2F Sector C	45	10-Apr-17	29-May-17	10-Apr-17	09-Aug-17	100%	12%	-70	Pending for RCP submis
AB52360	FS Final fix - B2F Sector C	30	03-Jul-17	01-Aug-17	09-Aug-17	08-Sep-17	0%	0%	-38	
HVAC System										
AB52370	HVAC 1st fix - B2F Sector C	60	06-Feb-17	07-Apr-17	06-Feb-17	16-Aug-17	100%	22%	-124	MEP work shared with \
AB52380	HVAC 2nd fix - B2F Sector C	69	16-Jul-17	22-Sep-17	20-Jun-17	03-Sep-17	0%	6%	19	
AB52390	HVAC Final fix - B2F Sector C	30	23-Sep-17	24-Oct-17	03-Sep-17	04-Oct-17	0%	0%	19	
Workshops, Storages & Offices										
Bulk Supply Storage, Museum Workshops, ICT Riser, Display Case -Plinth-Vitrine, Exhibit Workshops										
AB12240	Construction of maintenance platform	48	23-Sep-17	12-Nov-17	05-Nov-17	22-Dec-17	0%	0%	-40	
Non-Art Loading Dock, Non-Art Holding/ Shipping/ Receiving Lock-up 1, Mail Room 1										
AB12420	Ceiling framework	21	03-Jul-17	23-Jul-17	07-Aug-17	28-Aug-17	0%	0%	-35	
AB12430	MEP dropper	7	17-Jul-17	23-Jul-17	21-Aug-17	28-Aug-17	0%	0%	-35	
AB12440	Ceiling close-up	14	24-Jul-17	06-Aug-17	28-Aug-17	11-Sep-17	0%	0%	-35	
AB12450	Skim coat, application of sealer on wall, soffit and floor	14	07-Aug-17	20-Aug-17	11-Sep-17	25-Sep-17	0%	0%	-35	
AB12460	Wall protection & corner guards installation	14	21-Aug-17	03-Sep-17	25-Sep-17	11-Oct-17	0%	0%	-35	
AB12470	Door & ironmongeries installation	7	04-Sep-17	10-Sep-17	11-Oct-17	18-Oct-17	0%	0%	-35	
Uniforms & Equipment Storage, RDE Storage, General Maintenance										
AB12480	Application of epoxy paint on wall and sealer on floor	21	21-Aug-17	10-Sep-17	25-Sep-17	18-Oct-17	0%	0%	-35	
Security Briefing Room, Security Office, Security Locker Room										
AB12290	Acoustic ceiling framework	21	03-Jul-17	23-Jul-17	07-Aug-17	28-Aug-17	0%	0%	-35	
AB12300	MEP dropper	7	17-Jul-17	23-Jul-17	21-Aug-17	28-Aug-17	0%	0%	-35	
AB12310	Acoustic ceiling close up	14	24-Jul-17	06-Aug-17	28-Aug-17	11-Sep-17	0%	0%	-35	
AB12320	Application of epoxy paint on wall	14	07-Aug-17	20-Aug-17	11-Sep-17	25-Sep-17	0%	0%	-35	
Toilets										
Public Toilets & Toilet Lobby (Benchmark Toilet)										
Toilet Block										
AB50980	Waterproofing & water test complete	0		15-Aug-17		08-Sep-17	0%	0%	-24	
AB50990	Protective floor screeding	2	16-Aug-17	17-Aug-17	08-Sep-17	10-Sep-17	0%	0%	-24	
AB51000	Gypsum ceiling frameworjk	7	18-Aug-17	24-Aug-17	10-Sep-17	17-Sep-17	0%	0%	-24	
AB51100	Steel frame for vanity counter	7	19-Aug-17	25-Aug-17	11-Sep-17	18-Sep-17	0%	0%	-24	
AB51010	Wall tiling	14	26-Aug-17	08-Sep-17	18-Sep-17	03-Oct-17	0%	0%	-24	
AB51020	Polished concrete floor (by others)	3	09-Sep-17	11-Sep-17	03-Oct-17	07-Oct-17	0%	0%	-24	
AB51110	MEP dropper	5	12-Sep-17	16-Sep-17	07-Oct-17	12-Oct-17	0%	0%	-24	
AB51030	Gypsum ceiling close-up	5	17-Sep-17	21-Sep-17	12-Oct-17	17-Oct-17	0%	0%	-24	
AB51040	Taping & jointing and painting on ceiling	7	22-Sep-17	28-Sep-17	17-Oct-17	24-Oct-17	0%	0%	-24	
AB51050	Emulsion paint to wall gypsum board (Baby Room only)	7	29-Sep-17	07-Oct-17	24-Oct-17	01-Nov-17	0%	0%	-24	
Toilet Lobby										
AB51210	Floor screeding to receive resilient	2	17-Sep-17	18-Sep-17	12-Oct-17	14-Oct-17	0%	0%	-24	
AB51130	Ceiling framework	7	19-Sep-17	25-Sep-17	14-Oct-17	21-Oct-17	0%	0%	-24	
AB51140	Subframe & plywood furring for timber wall	6	26-Sep-17	01-Oct-17	21-Oct-17	27-Oct-17	0%	0%	-24	
B2/F - Zone D, Zone B & Zone A (Sector D)										
MEP Plantrooms										
ELV (First Access Areas)										
Builders' Works										
AB52400	Steel Post	3	29-Jun-17	02-Jul-17	30-Jun-17	03-Jul-17	33.33%	0%	-1	
AB52410	Blockwall	5	03-Jul-17	07-Jul-17	04-Jul-17	08-Jul-17	0%	0%	-1	
AB52420	Wall Plastering	7	08-Jul-17	14-Jul-17	09-Jul-17	15-Jul-17	0%	0%	-1	
AB52430	Floor Screeding	7	15-Jul-17	21-Jul-17	16-Jul-17	22-Jul-17	0%	0%	-1	
AB52440	Sealer on ceiling soffit & application of epoxy paint on w	3	22-Jul-17	24-Jul-17	23-Jul-17	25-Jul-17	0%	0%	-1	



Data Date: 30-Jun-17
Layout Name: 01) CMWP - 3MRP (Template)
File Name: Three Months Rolling Programme 3MRP - Mth21 (30 June 2017)

Three Months Rolling Programme (3MRP) - Mth 21 - 30 June 2017

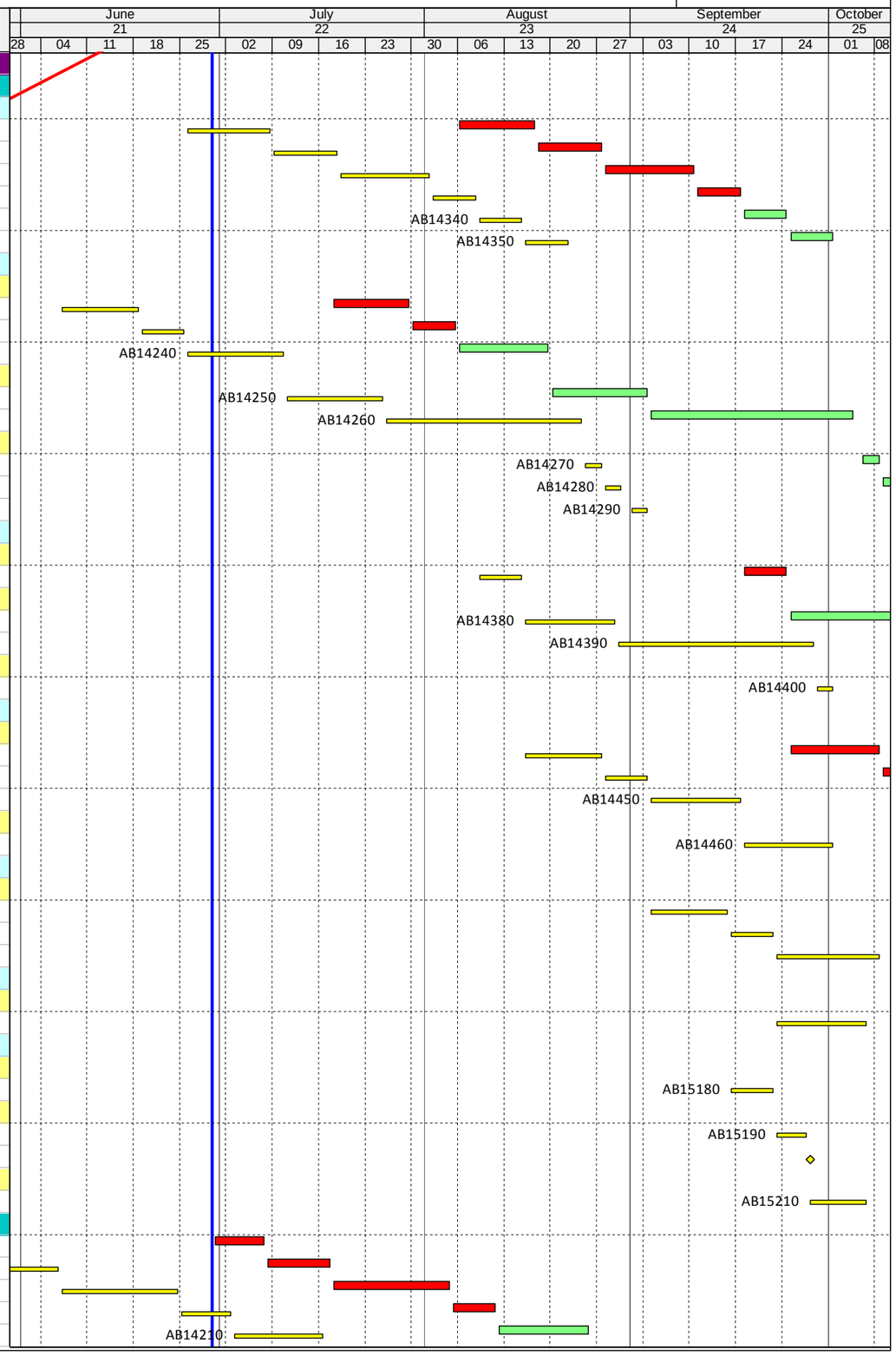
Activity ID	Activity Name	CMWP Dur.	CMWP - R0.D5 Start	CMWP -R0.D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	Comments / Mitigating Measures
BS Installation										
AB12830	MEP 2nd fix	14	25-Jul-17	07-Aug-17	26-Jul-17	08-Aug-17	0%	0%	-1	
AB12840	Install ELV Switchboard	60	08-Aug-17	08-Oct-17	09-Aug-17	09-Oct-17	0%	0%	-1	
General Builders' Work										
AB12770	Steel Post	7	29-Jun-17	06-Jul-17	30-Jun-17	07-Jul-17	14.29%	0%	-1	
AB12780	Blockwall	10	07-Jul-17	16-Jul-17	08-Jul-17	17-Jul-17	0%	0%	-1	
AB12790	Wall Plastering	14	16-Jul-17	30-Jul-17	17-Jul-17	31-Jul-17	0%	0%	-1	
AB12800	Floor Screeding	14	30-Jul-17	13-Aug-17	31-Jul-17	14-Aug-17	0%	0%	-1	
AB12810	Drywall (MEP consealed items, close up panel)	7	16-Aug-17	22-Aug-17	06-Sep-17	12-Sep-17	0%	0%	-21	
General BS Installation										
Electrical System										
AB52450	MEP 1st fix - B1F Sector A	30	23-Aug-17	21-Sep-17	13-Sep-17	14-Oct-17	0%	0%	-21	
AB52460	MEP 2nd fix - B1F Sector A	45	22-Sep-17	08-Nov-17	15-Oct-17	29-Nov-17	0%	0%	-21	
Plumbing & Drainage										
AB52480	P&D 1st fix - B1F Sector A	30	23-Aug-17	21-Sep-17	13-Sep-17	14-Oct-17	0%	0%	-21	
AB52490	P&D 2nd fix - B1F Sector A	45	22-Sep-17	08-Nov-17	15-Oct-17	29-Nov-17	0%	0%	-21	
FS System										
AB52510	FS 1st fix - B1F Sector A	30	23-Aug-17	21-Sep-17	13-Sep-17	14-Oct-17	0%	0%	-21	
AB52520	FS 2nd fix - B1F Sector A	45	22-Sep-17	08-Nov-17	15-Oct-17	29-Nov-17	0%	0%	-21	
HVAC System										
AB52540	HVAC 1st fix - B1F Sector A	60	23-Aug-17	23-Oct-17	13-Sep-17	14-Nov-17	0%	0%	-21	
B2/F - Zone B1S2 (Sector F)										
General Builder's Work										
AB15860	Steel Post	7	23-Jun-17	29-Jun-17	08-Jul-17	14-Jul-17	100%	0%	-14	
AB15870	Blockwall	10	30-Jun-17	10-Jul-17	15-Jul-17	24-Jul-17	0%	0%	-14	
AB15880	Wall Plastering	14	10-Jul-17	24-Jul-17	24-Jul-17	07-Aug-17	0%	0%	-14	
AB15890	Floor Screeding	28	17-Jul-17	14-Aug-17	31-Jul-17	28-Aug-17	0%	0%	-14	
AB15900	Drywall (MEP consealed items, close up panel)	28	14-Aug-17	11-Sep-17	28-Aug-17	25-Sep-17	0%	0%	-14	
Plantrooms										
PAU Room										
Builders' Work										
AB15910	Sealer on ceiling soffit & application of epoxy paint on w	7	11-Sep-17	18-Sep-17	25-Sep-17	03-Oct-17	0%	0%	-14	
BS Installation										
AB15920	PAU Room - MEP 2nd fix	14	18-Sep-17	03-Oct-17	03-Oct-17	18-Oct-17	0%	0%	-14	
MEP										
Builders' Work										
AB15970	Sealer on ceiling soffit & application of epoxy paint on w	7	18-Sep-17	25-Sep-17	03-Oct-17	11-Oct-17	0%	0%	-14	
BS Installation										
AB15980	MEP Room - MEP 2nd fix	14	25-Sep-17	11-Oct-17	11-Oct-17	25-Oct-17	0%	0%	-14	
Stair Pressurization Room										
Builders' Work										
AB16030	Sealer on ceiling soffit & application of epoxy paint on w	7	25-Sep-17	03-Oct-17	11-Oct-17	18-Oct-17	0%	0%	-14	
General BS Installation										
Electrical System										
AB52680	MEP 1st fix - B2F Sector F	30	14-Aug-17	13-Sep-17	28-Aug-17	27-Sep-17	0%	0%	-14	
AB52690	MEP 2nd fix - B2F Sector F	45	13-Sep-17	31-Oct-17	27-Sep-17	14-Nov-17	0%	0%	-14	
Plumbing & Drainage										
AB52710	P&D 1st fix - B2F Sector F	30	14-Aug-17	13-Sep-17	28-Aug-17	27-Sep-17	0%	0%	-14	
AB52720	P&D 2nd fix - B2F Sector F	45	13-Sep-17	31-Oct-17	27-Sep-17	14-Nov-17	0%	0%	-14	
FS System										
AB52740	FS 1st fix - B2F Sector F	30	14-Aug-17	13-Sep-17	28-Aug-17	27-Sep-17	0%	0%	-14	
AB52750	FS 2nd fix - B2F Sector F	45	13-Sep-17	31-Oct-17	27-Sep-17	14-Nov-17	0%	0%	-14	
HVAC System										
AB52770	HVAC 1st fix - B2F Sector F	60	14-Aug-17	15-Oct-17	28-Aug-17	30-Oct-17	0%	0%	-14	
Workshops, Storages & Offices										
Refuse Room, Recycling Room										
AB16320	Waterproofing works & water test	12	11-Sep-17	23-Sep-17	25-Sep-17	09-Oct-17	0%	0%	-14	
AB16330	Protective screeding	7	23-Sep-17	30-Sep-17	09-Oct-17	16-Oct-17	0%	0%	-14	



Data Date: 30-Jun-17
Layout Name: 01) CMWP - 3MRP (Template)
File Name: Three Months Rolling Programme 3MRP - Mth21 (30 June 2017)

Three Months Rolling Programme (3MRP) - Mth 21 - 30 June 2017

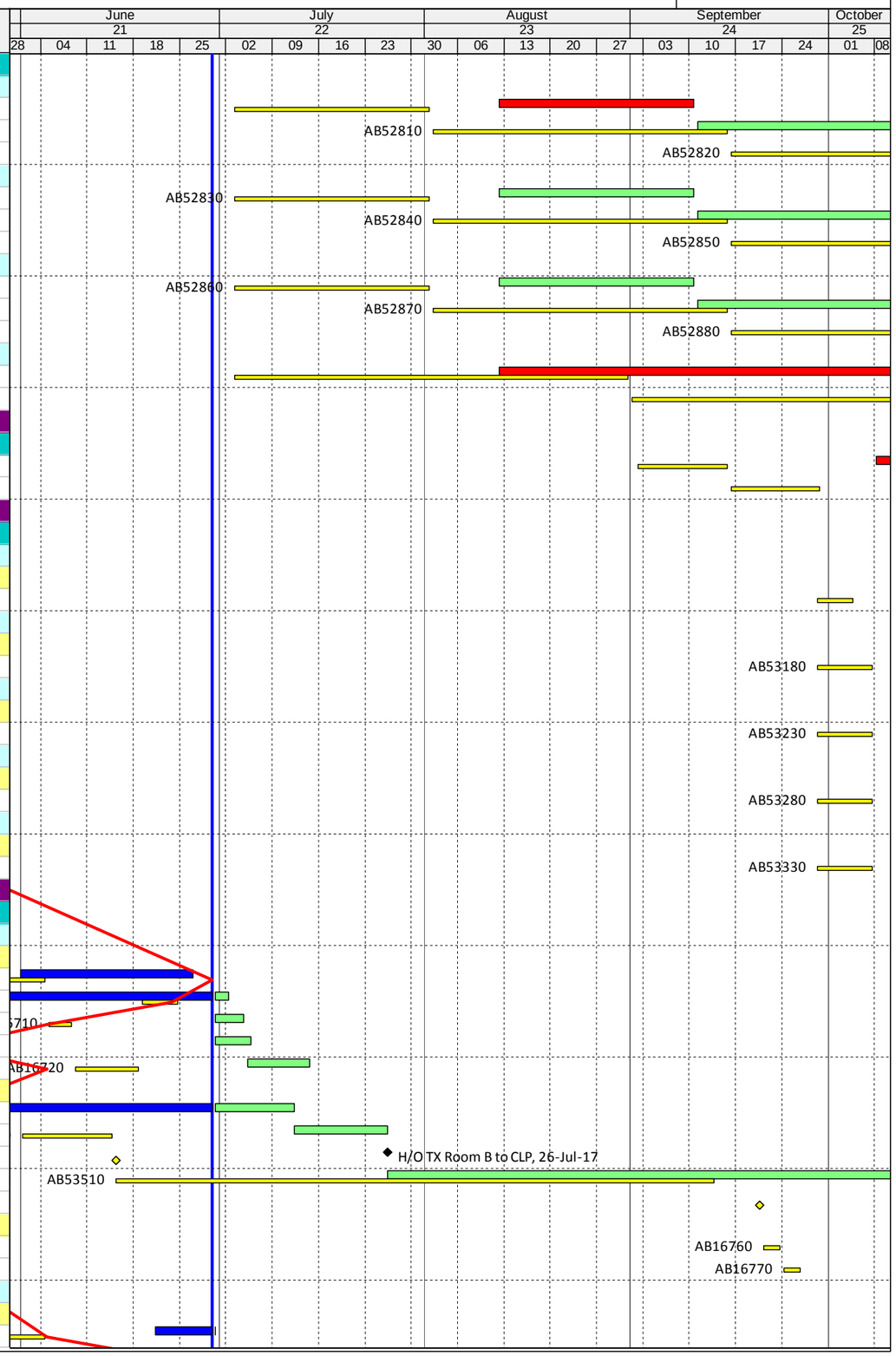
Activity ID	Activity Name	CMWP Dur.	CMWP - R0.D5 Start	CMWP -R0.D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	Comments / Mitigating Measures
B2/F - Zone B1U2 (Sector G)										
Plantrooms										
RDE Potable Water Tank										
AB14300	Waterproofing works & water test	12	26-Jun-17	08-Jul-17	06-Aug-17	17-Aug-17	33.33%	0%	-40	
AB14310	Plastering work (inside tank)	10	09-Jul-17	18-Jul-17	18-Aug-17	27-Aug-17	0%	0%	-40	
AB14320	Wall & floor tiling	14	19-Jul-17	01-Aug-17	28-Aug-17	10-Sep-17	0%	0%	-40	
AB14330	Application of sealer on soffit (outside tank)	7	02-Aug-17	08-Aug-17	11-Sep-17	17-Sep-17	0%	0%	-40	
AB14340	Cat ladder	7	09-Aug-17	15-Aug-17	18-Sep-17	24-Sep-17	0%	0%	-40	
AB14350	Hatch cover	7	16-Aug-17	22-Aug-17	25-Sep-17	01-Oct-17	0%	0%	-40	
Heat Exchanger Room										
Builders' Work										
AB14220	Concrete plinth and waterproofing works	12	07-Jun-17	18-Jun-17	18-Jul-17	29-Jul-17	100%	0%	-40	
AB14230	Floor Screeding & wall rendering	7	19-Jun-17	25-Jun-17	30-Jul-17	05-Aug-17	100%	0%	-40	
AB14240	Sealer on ceiling soffit & application of epoxy paint on w	14	26-Jun-17	10-Jul-17	06-Aug-17	19-Aug-17	28.57%	0%	-40	
BS Installation										
AB14250	Heat Exchanger Room - MEP 2nd fix	15	11-Jul-17	25-Jul-17	20-Aug-17	03-Sep-17	0%	0%	-40	
AB14260	Install heat exchanger	30	26-Jul-17	24-Aug-17	04-Sep-17	04-Oct-17	0%	0%	-40	
Final Finishes										
AB14270	Final coat of paint on wall	3	25-Aug-17	27-Aug-17	06-Oct-17	08-Oct-17	0%	0%	-40	
AB14280	Sealer on floor	3	28-Aug-17	30-Aug-17	09-Oct-17	11-Oct-17	0%	0%	-40	
AB14290	Door & ironmongeries installation	3	01-Sep-17	03-Sep-17	12-Oct-17	14-Oct-17	0%	0%	-39	
ELE Room										
Builders' Work										
AB14370	Sealer on ceiling soffit & application of epoxy paint on w	7	09-Aug-17	15-Aug-17	18-Sep-17	24-Sep-17	0%	0%	-40	
BS Installation										
AB14380	ELE Room - MEP 2nd fix	14	16-Aug-17	29-Aug-17	25-Sep-17	10-Oct-17	0%	0%	-40	
AB14390	Install ELE system	30	30-Aug-17	28-Sep-17	11-Oct-17	10-Nov-17	0%	0%	-40	
Final Finishes										
AB14400	Final coat of paint on wall	3	29-Sep-17	01-Oct-17	11-Nov-17	13-Nov-17	0%	0%	-40	
Grease Trap Room										
Builders' Work										
AB14430	Concrete plinth and waterproofing works	12	16-Aug-17	27-Aug-17	25-Sep-17	08-Oct-17	0%	0%	-40	
AB14440	Floor Screeding & wall rendering	7	28-Aug-17	03-Sep-17	09-Oct-17	15-Oct-17	0%	0%	-40	
AB14450	Sealer on ceiling soffit & application of epoxy paint on w	14	04-Sep-17	17-Sep-17	16-Oct-17	30-Oct-17	0%	0%	-40	
BS Installation										
AB14460	Grease Trap Room - MEP 2nd fix	14	18-Sep-17	01-Oct-17	31-Oct-17	13-Nov-17	0%	0%	-40	
CSF IR/ RW Tank & Pump Room										
Builders' Work										
AB14510	Concrete plinth and waterproofing works	12	04-Sep-17	15-Sep-17	16-Oct-17	27-Oct-17	0%	0%	-40	
AB14520	Floor Screeding & wall rendering	7	16-Sep-17	22-Sep-17	29-Oct-17	04-Nov-17	0%	0%	-40	
AB14530	Sealer on ceiling soffit & application of epoxy paint on w	14	23-Sep-17	08-Oct-17	05-Nov-17	18-Nov-17	0%	0%	-40	
RDE FS Tank Pump Room										
Builders' Work										
AB14590	Concrete plinth and waterproofing works	12	23-Sep-17	06-Oct-17	05-Nov-17	16-Nov-17	0%	0%	-40	
RDE Security Control Room										
Builders' Work										
AB15180	Acoustic ceiling framework	7	16-Sep-17	22-Sep-17	29-Oct-17	04-Nov-17	0%	0%	-40	
BS Installation										
AB15190	RDE Security Room - MEP 2nd fix	5	23-Sep-17	27-Sep-17	05-Nov-17	09-Nov-17	0%	0%	-40	
AB15200	RDE Security Room - MEP Final fix	0	28-Sep-17		10-Nov-17		0%	0%	-40	
Final Finishes										
AB15210	Acoustic ceiling close-up	7	28-Sep-17	06-Oct-17	10-Nov-17	16-Nov-17	0%	0%	-40	
General Builders' Work										
AB14170	Steel Post	7	20-May-17	26-May-17	30-Jun-17	07-Jul-17	100%	0%	-40	
AB14180	Blockwall	10	27-May-17	06-Jun-17	08-Jul-17	17-Jul-17	100%	0%	-40	
AB14190	Wall Plastering	18	07-Jun-17	24-Jun-17	18-Jul-17	04-Aug-17	100%	0%	-40	
AB14200	Floor Screeding	7	25-Jun-17	02-Jul-17	05-Aug-17	11-Aug-17	71.43%	0%	-40	
AB14210	Drywall (MEP consealed items, close up panel)	14	03-Jul-17	16-Jul-17	12-Aug-17	25-Aug-17	0%	0%	-40	



Data Date: 30-Jun-17
Layout Name: 01) CMWP - 3MRP (Template)
File Name: Three Months Rolling Programme 3MRP - Mth21 (30 June 2017)

Three Months Rolling Programme (3MRP) - Mth 21 - 30 June 2017

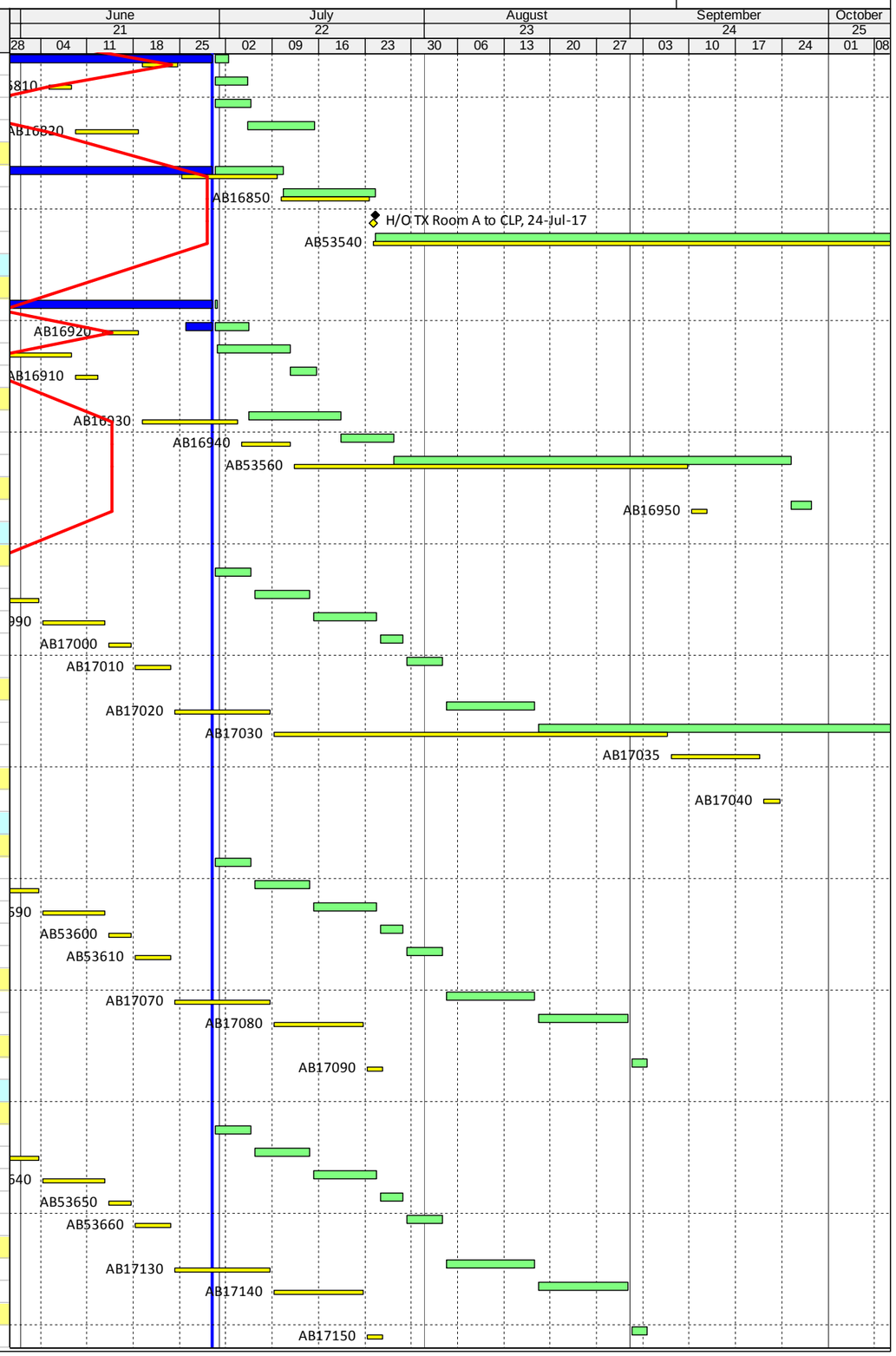
Activity ID	Activity Name	CMWP Dur.	CMWP - R0.D5 Start	CMWP -R0.D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	Comments / Mitigating Measures
General BS Installation										
Electrical System										
AB52800	MEP 1st fix - B2F Sector G	30	03-Jul-17	01-Aug-17	12-Aug-17	10-Sep-17	0%	0%	-40	
AB52810	MEP 2nd fix - B2F Sector G	45	02-Aug-17	15-Sep-17	11-Sep-17	27-Oct-17	0%	0%	-40	
AB52820	MEP Final fix - B2F Sector G	30	16-Sep-17	17-Oct-17	29-Oct-17	27-Nov-17	0%	0%	-40	
Plumbing & Drainage										
AB52830	P&D 1st fix - B2F Sector G	30	03-Jul-17	01-Aug-17	12-Aug-17	10-Sep-17	0%	0%	-40	
AB52840	P&D 2nd fix - B2F Sector G	45	02-Aug-17	15-Sep-17	11-Sep-17	27-Oct-17	0%	0%	-40	
AB52850	P&D Final fix - B2F Sector G	30	16-Sep-17	17-Oct-17	29-Oct-17	27-Nov-17	0%	0%	-40	
FS System										
AB52860	FS 1st fix - B2F Sector G	30	03-Jul-17	01-Aug-17	12-Aug-17	10-Sep-17	0%	0%	-40	
AB52870	FS 2nd fix - B2F Sector G	45	02-Aug-17	15-Sep-17	11-Sep-17	27-Oct-17	0%	0%	-40	
AB52880	FS Final fix - B2F Sector G	30	16-Sep-17	17-Oct-17	29-Oct-17	27-Nov-17	0%	0%	-40	
HVAC System										
AB52890	HVAC 1st fix - B2F Sector G	60	03-Jul-17	31-Aug-17	12-Aug-17	12-Oct-17	0%	0%	-40	
AB52900	HVAC 2nd fix - B2F Sector G	69	01-Sep-17	11-Nov-17	13-Oct-17	21-Dec-17	0%	0%	-40	
B1/F - Zone E & Zone G (Sector A)										
General Builders' Work										
AB19130	Steel Post	14	02-Sep-17	15-Sep-17	08-Oct-17	21-Oct-17	0%	0%	-34	
AB19140	Blockwall	14	16-Sep-17	29-Sep-17	22-Oct-17	05-Nov-17	0%	0%	-34	
B1/F - Zone H, Zone G, Zone J, Zone K & Zone L (Sector B)										
Plantrooms										
Transformer Room C										
Builders' Work										
AB21130	Construct plinth	5	29-Sep-17	04-Oct-17	09-Nov-17	13-Nov-17	0%	0%	-38	
AHU Room										
Builders' Work										
AB53180	Steel Post	7	29-Sep-17	07-Oct-17	09-Nov-17	15-Nov-17	0%	0%	-38	
ELV										
Builders' Work										
AB53230	Steel Post	7	29-Sep-17	07-Oct-17	09-Nov-17	15-Nov-17	0%	0%	-38	
ICT										
Builders' Work										
AB53280	Steel Post	7	29-Sep-17	07-Oct-17	09-Nov-17	15-Nov-17	0%	0%	-38	
ELV Lead-in Room										
Builders' Work										
AB53330	Steel Post	7	29-Sep-17	07-Oct-17	09-Nov-17	15-Nov-17	0%	0%	-38	
B1/F - Zone A1, Zone A4 & Zone A5 (Sector C)										
Plantrooms										
Transformer Room B										
Builders' Work										
AB16700	Wall tiling (1.5m high)	10	25-May-17	04-Jun-17	01-Jun-17	27-Jun-17 A	100%	100%	-22	
AB16730	Sealer on ceiling soffit & application of epoxy paint on w	6	19-Jun-17	24-Jun-17	29-Apr-17	02-Jul-17	100%	80%	-6	
AB16710	Floor screeding	4	05-Jun-17	08-Jun-17	30-Jun-17	04-Jul-17	100%	0%	-25	
AB16680	Construct plinth	5	20-May-17	24-May-17	30-Jun-17	05-Jul-17	100%	0%	-40	
AB16720	Installation of cable trench cover	10	09-Jun-17	18-Jun-17	05-Jul-17	14-Jul-17	100%	0%	-25	
BS Installation										
AB16740	Transformer Room B - MEP 2nd fix	14	15-May-17	28-May-17	15-May-17	12-Jul-17	100%	20%	-42	Waitng for completion c
AB16750	Inpection by CLP	14	01-Jun-17	14-Jun-17	12-Jul-17	26-Jul-17	100%	0%	-40	
AB53500	H/O TX Room B to CLP	0	15-Jun-17		26-Jul-17		100%	0%	-40	
AB53510	CLP Installation for TX Room B	90	15-Jun-17	13-Sep-17	26-Jul-17	26-Oct-17	16.67%	0%	-40	
AB53520	TX Room B Power ON	0		20-Sep-17		02-Nov-17	0%	0%	-40	
Final Finishes										
AB16760	Final coat of paint on ceiling & wall	3	21-Sep-17	23-Sep-17	03-Nov-17	05-Nov-17	0%	0%	-40	
AB16770	Door & ironmongeries installation	3	24-Sep-17	26-Sep-17	06-Nov-17	08-Nov-17	0%	0%	-40	
Transformer Room A										
Builders' Work										
AB16800	Wall tiling (1.5m high)	10	25-May-17	04-Jun-17	21-Jun-17	30-Jun-17	100%	99%	-25	



Data Date: 30-Jun-17
Layout Name: 01) CMWP - 3MRP (Template)
File Name: Three Months Rolling Programme 3MRP - Mth21 (30 June 2017)

Three Months Rolling Programme (3MRP) - Mth 21 - 30 June 2017

Activity ID	Activity Name	CMWP Dur.	CMWP - R0.D5 Start	CMWP -R0.D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	Comments / Mitigating Measures
AB16830	Sealer on ceiling soffit & application of epoxy paint on w	6	19-Jun-17	24-Jun-17	29-Apr-17	02-Jul-17	100%	80%	-6	
AB16810	Floor screeding	4	05-Jun-17	08-Jun-17	30-Jun-17	05-Jul-17	100%	0%	-25	
AB16780	Construct plinth	5	20-May-17	24-May-17	30-Jun-17	05-Jul-17	100%	0%	-40	
AB16820	Installation of cable trench cover	10	09-Jun-17	18-Jun-17	05-Jul-17	15-Jul-17	100%	0%	-25	
BS Installation										
AB16840	Transformer Room A - MEP 2nd fix	14	25-Jun-17	09-Jul-17	15-May-17	10-Jul-17	35.71%	30%	-1	Waitng for completion c
AB16850	Inspection by CLP	14	10-Jul-17	23-Jul-17	10-Jul-17	24-Jul-17	0%	0%	-1	
AB53530	H/O TX Room A to CLP	0	24-Jul-17		24-Jul-17		0%	0%	-1	
AB53540	CLP Installation for TX Room A	90	24-Jul-17	23-Oct-17	24-Jul-17	24-Oct-17	0%	0%	-1	
LV Switch Room 1 & 2										
Builders' Work										
AB16890	Wall rendering	9	20-May-17	28-May-17	11-May-17	30-Jun-17	100%	90%	-32	
AB16920	Sealer on ceiling soffit & application of epoxy paint on w	6	13-Jun-17	18-Jun-17	26-Jun-17	05-Jul-17	100%	30%	-15	
AB16900	Wall tiling (1.5m high)	10	29-May-17	08-Jun-17	30-Jun-17	11-Jul-17	100%	0%	-32	
AB16910	Floor screeding	4	09-Jun-17	12-Jun-17	11-Jul-17	15-Jul-17	100%	0%	-32	
BS Installation										
AB16930	LV Switch Room 1 & 2 - MEP 2nd fix	14	19-Jun-17	03-Jul-17	05-Jul-17	19-Jul-17	78.57%	0%	-15	
AB16940	LV Switch Room 1 & 2 - Main Switch Board 1 & 2 Site Tes	8	04-Jul-17	11-Jul-17	19-Jul-17	27-Jul-17	0%	0%	-15	
AB53560	LV Switch Room 1 & 2 - Install Main Switch Board 1 & 2	60	12-Jul-17	09-Sep-17	27-Jul-17	25-Sep-17	0%	0%	-15	
Final Finishes										
AB16950	Final coat of paint on ceiling & wall	3	10-Sep-17	12-Sep-17	25-Sep-17	28-Sep-17	0%	0%	-15	
CBS Room										
Builder's Work										
AB16970	Construct plinth	5	20-May-17	24-May-17	30-Jun-17	05-Jul-17	100%	0%	-40	
AB16980	Wall rendering	9	25-May-17	03-Jun-17	06-Jul-17	14-Jul-17	100%	0%	-40	
AB16990	Wall tiling (1.5m high)	10	04-Jun-17	13-Jun-17	15-Jul-17	24-Jul-17	100%	0%	-40	
AB17000	Floor screeding	4	14-Jun-17	17-Jun-17	25-Jul-17	28-Jul-17	100%	0%	-40	
AB17010	Sealer on ceiling soffit & application of epoxy paint on w	6	18-Jun-17	23-Jun-17	29-Jul-17	03-Aug-17	100%	0%	-40	
BS Installation										
AB17020	CBS Room - MEP 2nd fix	14	24-Jun-17	08-Jul-17	04-Aug-17	17-Aug-17	42.86%	0%	-40	
AB17030	CBS Room - CBS Installation & Termination	60	09-Jul-17	06-Sep-17	18-Aug-17	18-Oct-17	0%	0%	-40	
AB17035	CBS Room - T & C for CBS System	14	07-Sep-17	20-Sep-17	19-Oct-17	02-Nov-17	0%	0%	-40	
Final Finishes										
AB17040	Final coat of paint on ceiling & wall	3	21-Sep-17	23-Sep-17	03-Nov-17	05-Nov-17	0%	0%	-40	
Main I.T. Room										
Builder's Work										
AB53570	Construct plinth	5	20-May-17	24-May-17	30-Jun-17	05-Jul-17	100%	0%	-40	
AB53580	Wall rendering	9	25-May-17	03-Jun-17	06-Jul-17	14-Jul-17	100%	0%	-40	
AB53590	Wall tiling (1.5m high)	10	04-Jun-17	13-Jun-17	15-Jul-17	24-Jul-17	100%	0%	-40	
AB53600	Floor screeding	4	14-Jun-17	17-Jun-17	25-Jul-17	28-Jul-17	100%	0%	-40	
AB53610	Sealer on ceiling soffit & application of epoxy paint on w	6	18-Jun-17	23-Jun-17	29-Jul-17	03-Aug-17	100%	0%	-40	
BS Installation										
AB17070	Main I.T. Room - MEP 2nd fix	14	24-Jun-17	08-Jul-17	04-Aug-17	17-Aug-17	42.86%	0%	-40	
AB17080	Main I.T. Room - MEP Final fix	14	09-Jul-17	22-Jul-17	18-Aug-17	31-Aug-17	0%	0%	-40	
Final Finishes										
AB17090	Final coat of paint on wall	3	23-Jul-17	25-Jul-17	01-Sep-17	03-Sep-17	0%	0%	-40	
TBE										
Builder's Work										
AB53620	Construct plinth	5	20-May-17	24-May-17	30-Jun-17	05-Jul-17	100%	0%	-40	
AB53630	Wall rendering	9	25-May-17	03-Jun-17	06-Jul-17	14-Jul-17	100%	0%	-40	
AB53640	Wall tiling (1.5m high)	10	04-Jun-17	13-Jun-17	15-Jul-17	24-Jul-17	100%	0%	-40	
AB53650	Floor screeding	4	14-Jun-17	17-Jun-17	25-Jul-17	28-Jul-17	100%	0%	-40	
AB53660	Sealer on ceiling soffit & application of epoxy paint on w	6	18-Jun-17	23-Jun-17	29-Jul-17	03-Aug-17	100%	0%	-40	
BS Installation										
AB17130	TBE Room - MEP 2nd fix	14	24-Jun-17	08-Jul-17	04-Aug-17	17-Aug-17	42.86%	0%	-40	
AB17140	TBE Room - MEP final fix	14	09-Jul-17	22-Jul-17	18-Aug-17	31-Aug-17	0%	0%	-40	
Final Finishes										
AB17150	Final coat of paint on wall	3	23-Jul-17	25-Jul-17	01-Sep-17	03-Sep-17	0%	0%	-40	



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Layout Name: 01) CMWP - 3MRP (Template)
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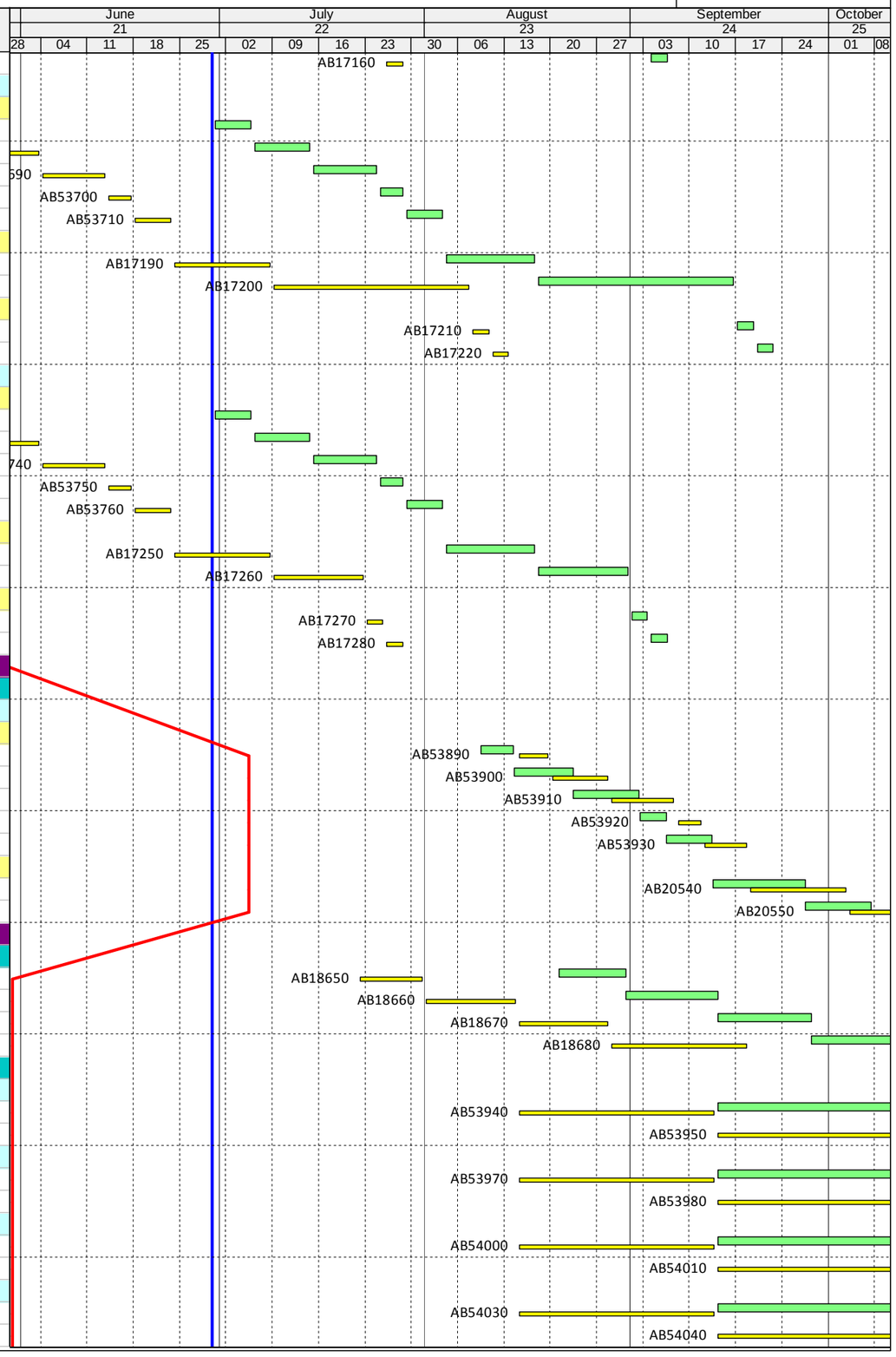
Three Months Rolling Programme (3MRP) - Mth 21 - 30 June 2017

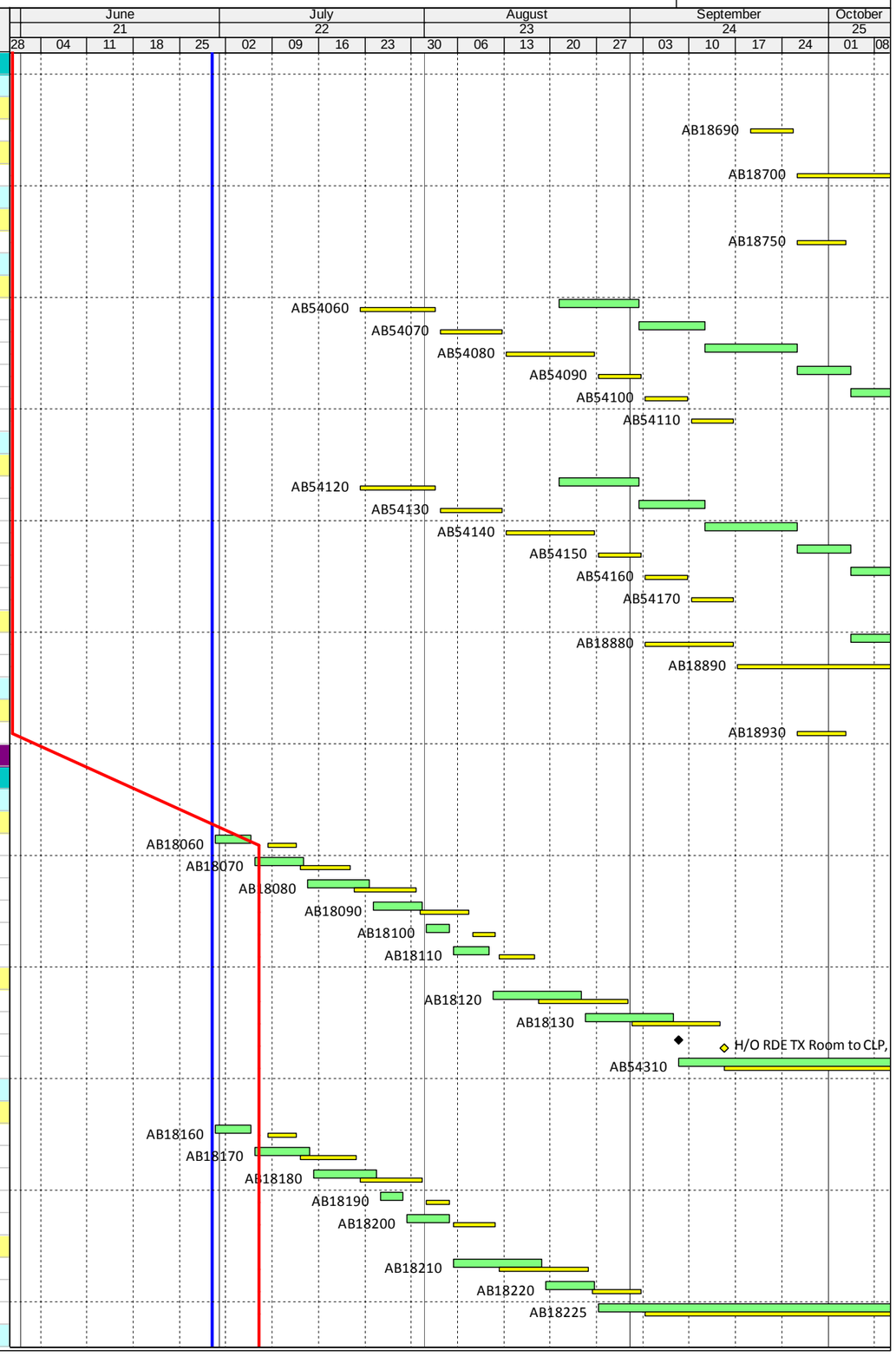
Activity ID	Activity Name	CMWP Dur.	CMWP - R0.D5 Start	CMWP -R0.D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	Comments / Mitigating Measures
AB17160	Sealer on floor	3	26-Jul-17	28-Jul-17	04-Sep-17	06-Sep-17	0%	0%	-40	
ELV										
Builders' Work										
AB53670	Construct plinth	5	20-May-17	24-May-17	30-Jun-17	05-Jul-17	100%	0%	-40	
AB53680	Wall rendering	9	25-May-17	03-Jun-17	06-Jul-17	14-Jul-17	100%	0%	-40	
AB53690	Wall tiling (1.5m high)	10	04-Jun-17	13-Jun-17	15-Jul-17	24-Jul-17	100%	0%	-40	
AB53700	Floor screeding	4	14-Jun-17	17-Jun-17	25-Jul-17	28-Jul-17	100%	0%	-40	
AB53710	Sealer on ceiling soffit & application of epoxy paint on w	6	18-Jun-17	23-Jun-17	29-Jul-17	03-Aug-17	100%	0%	-40	
BS Installation										
AB17190	ELV Room - MEP 2nd fix	14	24-Jun-17	08-Jul-17	04-Aug-17	17-Aug-17	42.86%	0%	-40	
AB17200	ELV Room - Install ELV system	30	09-Jul-17	07-Aug-17	18-Aug-17	16-Sep-17	0%	0%	-40	
Final Finishes										
AB17210	Final coat of paint on ceiling & wall	3	08-Aug-17	10-Aug-17	17-Sep-17	19-Sep-17	0%	0%	-40	
AB17220	Sealer on floor	3	11-Aug-17	13-Aug-17	20-Sep-17	22-Sep-17	0%	0%	-40	
ICT Riser										
Builders' Work										
AB53720	Construct plinth	5	20-May-17	24-May-17	30-Jun-17	05-Jul-17	100%	0%	-40	
AB53730	Wall rendering	9	25-May-17	03-Jun-17	06-Jul-17	14-Jul-17	100%	0%	-40	
AB53740	Wall tiling (1.5m high)	10	04-Jun-17	13-Jun-17	15-Jul-17	24-Jul-17	100%	0%	-40	
AB53750	Floor screeding	4	14-Jun-17	17-Jun-17	25-Jul-17	28-Jul-17	100%	0%	-40	
AB53760	Sealer on ceiling soffit & application of epoxy paint on w	6	18-Jun-17	23-Jun-17	29-Jul-17	03-Aug-17	100%	0%	-40	
BS Installation										
AB17250	ICT Riser - MEP 2nd fix	14	24-Jun-17	08-Jul-17	04-Aug-17	17-Aug-17	42.86%	0%	-40	
AB17260	ICT Riser - MEP final fix	14	09-Jul-17	22-Jul-17	18-Aug-17	31-Aug-17	0%	0%	-40	
Final Finishes										
AB17270	Final coat of paint on wall	3	23-Jul-17	25-Jul-17	01-Sep-17	03-Sep-17	0%	0%	-40	
AB17280	Sealer on floor	3	26-Jul-17	28-Jul-17	04-Sep-17	06-Sep-17	0%	0%	-40	
B1/F - Zone D2 & Zone N (Sector D)										
Plantrooms										
Carriageway LV Switch Room (Concern Area 13)										
Builders' Work										
AB53890	Construct plinth	5	15-Aug-17	19-Aug-17	09-Aug-17	14-Aug-17	0%	0%	6	
AB53900	Wall rendering	9	20-Aug-17	28-Aug-17	14-Aug-17	23-Aug-17	0%	0%	6	
AB53910	Wall tiling (1.5m high)	10	29-Aug-17	07-Sep-17	23-Aug-17	02-Sep-17	0%	0%	6	
AB53920	Floor screeding	4	08-Sep-17	11-Sep-17	02-Sep-17	06-Sep-17	0%	0%	6	
AB53930	Sealer on ceiling soffit & application of epoxy paint on w	7	12-Sep-17	18-Sep-17	06-Sep-17	13-Sep-17	0%	0%	6	
BS Installation										
AB20540	Carriageway LV Switch Room - MEP 2nd fix	14	19-Sep-17	03-Oct-17	13-Sep-17	27-Sep-17	0%	0%	6	
AB20550	Carriageway LV Switch Room - Site test for LV Switchboa	8	04-Oct-17	12-Oct-17	27-Sep-17	07-Oct-17	0%	0%	6	
B1/F - Zone GFT5 (Sector F)										
General Builders' Work										
AB18650	Steel Post	10	22-Jul-17	31-Jul-17	21-Aug-17	31-Aug-17	0%	0%	-30	
AB18660	Blockwall	14	01-Aug-17	14-Aug-17	31-Aug-17	14-Sep-17	0%	0%	-30	
AB18670	Wall Plastering	14	15-Aug-17	28-Aug-17	14-Sep-17	28-Sep-17	0%	0%	-30	
AB18680	Floor Screeding	21	29-Aug-17	18-Sep-17	28-Sep-17	21-Oct-17	0%	0%	-30	
General BS Installation										
Electrical System										
AB53940	MEP 1st fix - B1F Sector F	30	15-Aug-17	13-Sep-17	14-Sep-17	16-Oct-17	0%	0%	-30	
AB53950	MEP 2nd fix - B1F Sector F	45	14-Sep-17	31-Oct-17	16-Oct-17	01-Dec-17	0%	0%	-30	
Plumbing & Drainage										
AB53970	P&D 1st fix - B1F Sector F	30	15-Aug-17	13-Sep-17	14-Sep-17	16-Oct-17	0%	0%	-30	
AB53980	P&D 2nd fix - B1F Sector F	45	14-Sep-17	31-Oct-17	16-Oct-17	01-Dec-17	0%	0%	-30	
FS System										
AB54000	FS 1st fix - B1F Sector F	30	15-Aug-17	13-Sep-17	14-Sep-17	16-Oct-17	0%	0%	-30	
AB54010	FS 2nd fix - B1F Sector F	45	14-Sep-17	31-Oct-17	16-Oct-17	01-Dec-17	0%	0%	-30	
HVAC System										
AB54030	HVAC 1st fix - B1F Sector F	30	15-Aug-17	13-Sep-17	14-Sep-17	16-Oct-17	0%	0%	-30	
AB54040	HVAC 2nd fix - B1F Sector F	45	14-Sep-17	31-Oct-17	16-Oct-17	01-Dec-17	0%	0%	-30	



Data Date: 30-Jun-17
Layout Name: 01) CMWP - 3MRP (Template)
File Name: Three Months Rolling Programme 3MRP - Mth21 (30 June 2017)

Three Months Rolling Programme (3MRP) - Mth 21 - 30 June 2017

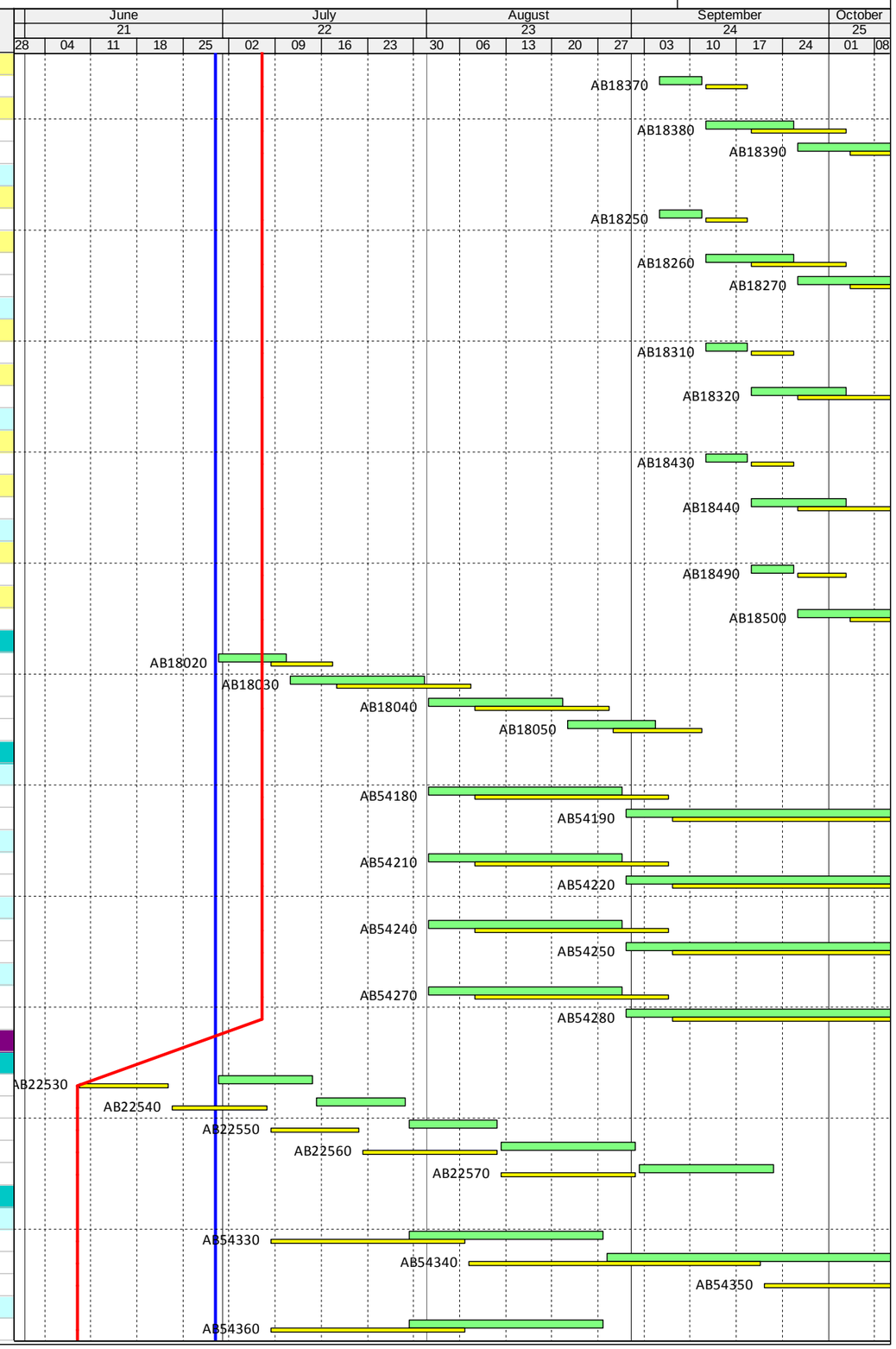
Activity ID	Activity Name	CMWP Dur.	CMWP - R0.D5 Start	CMWP -R0.D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	Comments / Mitigating Measures
Plantrooms										
Carriageway SEF Room										
Builders' Work										
AB18690	Sealer on ceiling soffit & on wall	7	19-Sep-17	25-Sep-17	21-Oct-17	29-Oct-17	0%	0%	-30	
BS Installation										
AB18700	Carriageway SEF Room - MEP 2nd fix	14	26-Sep-17	11-Oct-17	29-Oct-17	12-Nov-17	0%	0%	-30	
Master Meter Room										
Builders' Work										
AB18750	Sealer on ceiling soffit & on wall	7	26-Sep-17	03-Oct-17	29-Oct-17	05-Nov-17	0%	0%	-30	
Generator & Fuel Tanks										
Builders' Work										
AB54060	Waterproofing & water test	12	22-Jul-17	02-Aug-17	21-Aug-17	02-Sep-17	0%	0%	-30	
AB54070	Plastering work (inside tank)	10	03-Aug-17	12-Aug-17	02-Sep-17	12-Sep-17	0%	0%	-30	
AB54080	Wall & floor tiling	14	13-Aug-17	26-Aug-17	12-Sep-17	26-Sep-17	0%	0%	-30	
AB54090	Application of sealer on soffit (outside tank)	7	27-Aug-17	02-Sep-17	26-Sep-17	04-Oct-17	0%	0%	-30	
AB54100	Cat ladder	7	03-Sep-17	09-Sep-17	04-Oct-17	12-Oct-17	0%	0%	-30	
AB54110	Hatch cover	7	10-Sep-17	16-Sep-17	12-Oct-17	19-Oct-17	0%	0%	-30	
Oil Pump Room & Day Tanks										
Builder's Work										
AB54120	Waterproofing & water test	12	22-Jul-17	02-Aug-17	21-Aug-17	02-Sep-17	0%	0%	-30	
AB54130	Plastering work (inside tank)	10	03-Aug-17	12-Aug-17	02-Sep-17	12-Sep-17	0%	0%	-30	
AB54140	Wall & floor tiling	14	13-Aug-17	26-Aug-17	12-Sep-17	26-Sep-17	0%	0%	-30	
AB54150	Application of sealer on soffit (outside tank)	7	27-Aug-17	02-Sep-17	26-Sep-17	04-Oct-17	0%	0%	-30	
AB54160	Cat ladder	7	03-Sep-17	09-Sep-17	04-Oct-17	12-Oct-17	0%	0%	-30	
AB54170	Hatch cover	7	10-Sep-17	16-Sep-17	12-Oct-17	19-Oct-17	0%	0%	-30	
BS Installation										
AB18880	Oil Pump Room - MEP 2nd fix	14	03-Sep-17	16-Sep-17	04-Oct-17	19-Oct-17	0%	0%	-30	
AB18890	Oil Pump Room - Install Oil Pump Set & SAT	30	17-Sep-17	18-Oct-17	19-Oct-17	19-Nov-17	0%	0%	-30	
EV Charger Meter Room										
Builder's Work										
AB18930	Sealer on ceiling soffit & application of epoxy paint on w	7	26-Sep-17	03-Oct-17	29-Oct-17	05-Nov-17	0%	0%	-30	
B1/F - Zone GFU2 (Sector G)										
Plantrooms										
RDE Transformer Room										
Builders' Work										
AB18060	Construct plinth	5	08-Jul-17	12-Jul-17	30-Jun-17	05-Jul-17	0%	0%	7	
AB18070	Wall rendering	8	13-Jul-17	20-Jul-17	06-Jul-17	13-Jul-17	0%	0%	7	
AB18080	Wall tiling (1.5m high)	10	21-Jul-17	30-Jul-17	14-Jul-17	23-Jul-17	0%	0%	7	
AB18090	Floor screeding	8	31-Jul-17	07-Aug-17	24-Jul-17	31-Jul-17	0%	0%	7	
AB18100	Installation of cable trench cover	4	08-Aug-17	11-Aug-17	01-Aug-17	04-Aug-17	0%	0%	7	
AB18110	Sealer on ceiling soffit & application of epoxy paint on w	6	12-Aug-17	17-Aug-17	05-Aug-17	10-Aug-17	0%	0%	7	
BS Installation										
AB18120	RDE Transformer Room - MEP 2nd fix	14	18-Aug-17	31-Aug-17	11-Aug-17	24-Aug-17	0%	0%	7	
AB18130	Inspection by CLP	14	01-Sep-17	14-Sep-17	25-Aug-17	07-Sep-17	0%	0%	7	
AB54300	H/O RDE TX Room to CLP	0	15-Sep-17		08-Sep-17		0%	0%	7	
AB54310	CLP Installation for RDE TX Room	60	15-Sep-17	16-Nov-17	08-Sep-17	09-Nov-17	0%	0%	7	
LV Switch Room										
Builder's Work										
AB18160	Construct plinth	5	08-Jul-17	12-Jul-17	30-Jun-17	05-Jul-17	0%	0%	7	
AB18170	Wall rendering	9	13-Jul-17	21-Jul-17	06-Jul-17	14-Jul-17	0%	0%	7	
AB18180	Wall tiling (1.5m high)	10	22-Jul-17	31-Jul-17	15-Jul-17	24-Jul-17	0%	0%	7	
AB18190	Floor screeding	4	01-Aug-17	04-Aug-17	25-Jul-17	28-Jul-17	0%	0%	7	
AB18200	Sealer on ceiling soffit & application of epoxy paint on w	7	05-Aug-17	11-Aug-17	29-Jul-17	04-Aug-17	0%	0%	7	
BS Installation										
AB18210	RDE LV Switch Room - MEP 2nd fix	14	12-Aug-17	25-Aug-17	05-Aug-17	18-Aug-17	0%	0%	7	
AB18220	RDE LV Switch Room - Site test for LV Switchboard	8	26-Aug-17	02-Sep-17	19-Aug-17	26-Aug-17	0%	0%	7	
AB18225	RDE LV Switch Room - Main LV Switchboard Installation	60	03-Sep-17	04-Nov-17	27-Aug-17	27-Oct-17	0%	0%	7	
ELV Room										



Data Date: 30-Jun-17
Layout Name: 01) CMWP - 3MRP (Template)
File Name: Three Months Rolling Programme 3MRP - Mth21 (30 June 2017)

Three Months Rolling Programme (3MRP) - Mth 21 - 30 June 2017

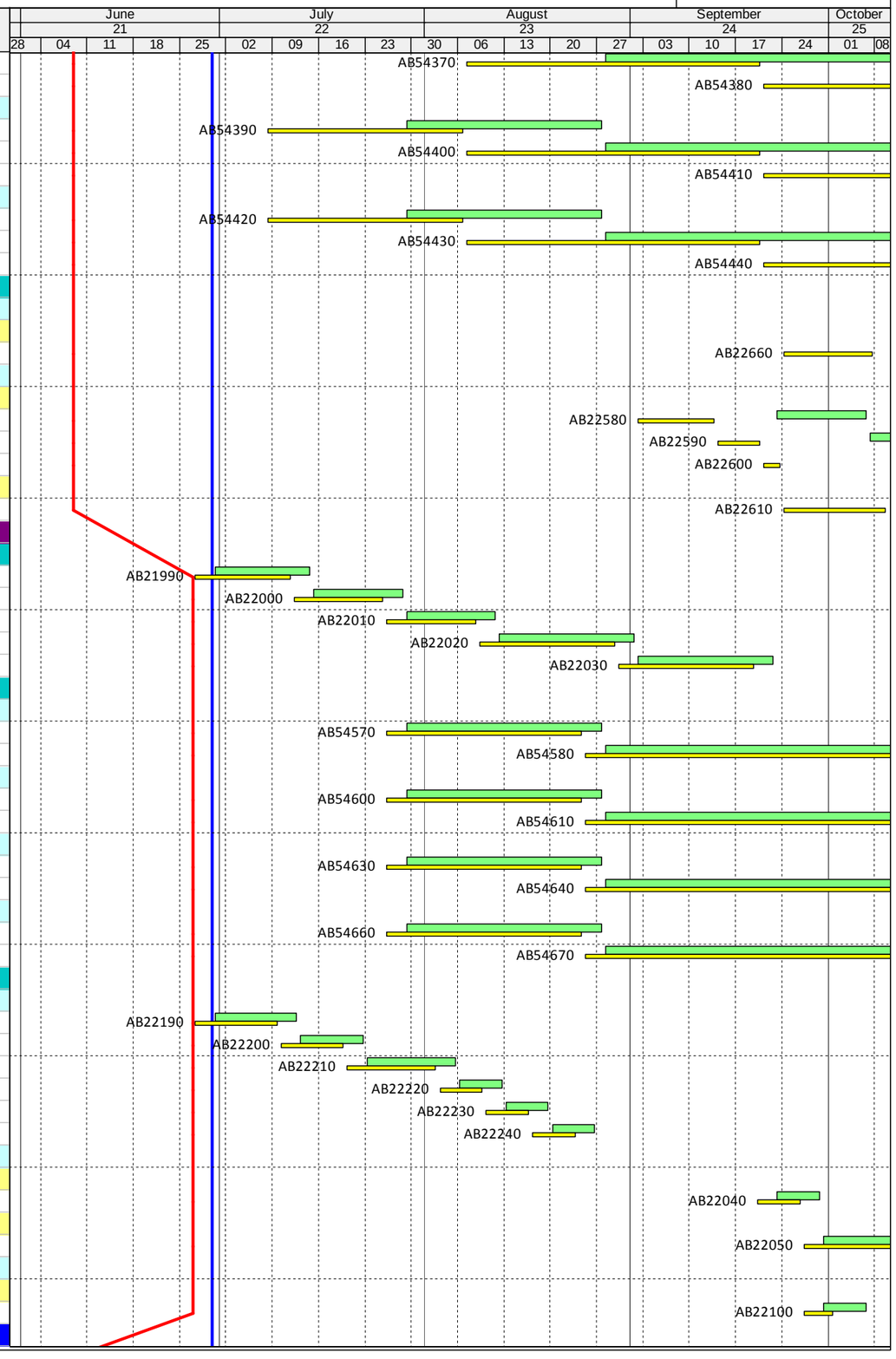
Activity ID	Activity Name	CMWP Dur.	CMWP - R0.D5 Start	CMWP -R0.D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	Comments / Mitigating Measures
Builder's Work										
AB18370	Sealer on ceiling soffit & on wall	7	12-Sep-17	18-Sep-17	05-Sep-17	11-Sep-17	0%	0%	7	
BS Installation										
AB18380	ELV Room - MEP 2nd fix	14	19-Sep-17	03-Oct-17	12-Sep-17	25-Sep-17	0%	0%	7	
AB18390	ELV Room - Install ELV System	30	04-Oct-17	04-Nov-17	26-Sep-17	27-Oct-17	0%	0%	7	
Carriageway SEF Room										
Builders' Work										
AB18250	Sealer on ceiling soffit & on wall	7	12-Sep-17	18-Sep-17	05-Sep-17	11-Sep-17	0%	0%	7	
BS Installation										
AB18260	Carriageway SEF Room - MEP 2nd fix	14	19-Sep-17	03-Oct-17	12-Sep-17	25-Sep-17	0%	0%	7	
AB18270	Carriageway SEF Room - MEP final fix	14	04-Oct-17	18-Oct-17	26-Sep-17	11-Oct-17	0%	0%	7	
RDE ELE Room & Lobby										
Builders' Work										
AB18310	Sealer on ceiling soffit & on wall	7	19-Sep-17	25-Sep-17	12-Sep-17	18-Sep-17	0%	0%	7	
BS Installation										
AB18320	RDE ELE Room & Lobby - MEP 2nd fix	14	26-Sep-17	11-Oct-17	19-Sep-17	03-Oct-17	0%	0%	7	
ICT										
Builders' Work										
AB18430	Sealer on ceiling soffit & on wall	7	19-Sep-17	25-Sep-17	12-Sep-17	18-Sep-17	0%	0%	7	
BS Installation										
AB18440	ICT Room - MEP 2nd fix	14	26-Sep-17	11-Oct-17	19-Sep-17	03-Oct-17	0%	0%	7	
Lighting Control Centre										
Builders' Work										
AB18490	Sealer on ceiling soffit & on wall	7	26-Sep-17	03-Oct-17	19-Sep-17	25-Sep-17	0%	0%	7	
BS Installation										
AB18500	Lighting Control Centre - MEP 2nd fix	14	04-Oct-17	18-Oct-17	26-Sep-17	11-Oct-17	0%	0%	7	
General Builders' Work										
AB18020	Steel Post	10	08-Jul-17	17-Jul-17	30-Jun-17	10-Jul-17	0%	0%	7	
AB18030	Blockwall	21	18-Jul-17	07-Aug-17	11-Jul-17	31-Jul-17	0%	0%	7	
AB18040	Wall Plastering	21	08-Aug-17	28-Aug-17	01-Aug-17	21-Aug-17	0%	0%	7	
AB18050	Floor Screeding	14	29-Aug-17	11-Sep-17	22-Aug-17	04-Sep-17	0%	0%	7	
General BS Installation										
Electrical System										
AB54180	MEP 1st fix - LGF Sector G	30	08-Aug-17	06-Sep-17	01-Aug-17	30-Aug-17	0%	0%	7	
AB54190	MEP 2nd fix - LGF Sector G	45	07-Sep-17	23-Oct-17	31-Aug-17	16-Oct-17	0%	0%	7	
Plumbing & Drainage										
AB54210	P&D 1st fix - LGF Sector G	30	08-Aug-17	06-Sep-17	01-Aug-17	30-Aug-17	0%	0%	7	
AB54220	P&D 2nd fix - LGF Sector G	45	07-Sep-17	23-Oct-17	31-Aug-17	16-Oct-17	0%	0%	7	
FS System										
AB54240	FS 1st fix - LGF Sector G	30	08-Aug-17	06-Sep-17	01-Aug-17	30-Aug-17	0%	0%	7	
AB54250	FS 2nd fix - LGF Sector G	45	07-Sep-17	23-Oct-17	31-Aug-17	16-Oct-17	0%	0%	7	
HVAC System										
AB54270	HVAC 1st fix - LGF Sector G	30	08-Aug-17	06-Sep-17	01-Aug-17	30-Aug-17	0%	0%	7	
AB54280	HVAC 2nd fix - LGF Sector G	45	07-Sep-17	23-Oct-17	31-Aug-17	16-Oct-17	0%	0%	7	
LG/F - Zone LGT4 & LGT5 (Sector F)										
General Builders' Work										
AB22530	Steel Post	14	09-Jun-17	22-Jun-17	30-Jun-17	14-Jul-17	100%	0%	-21	
AB22540	Blockwall	14	23-Jun-17	07-Jul-17	15-Jul-17	28-Jul-17	50%	0%	-21	
AB22550	Wall Plastering	14	08-Jul-17	21-Jul-17	29-Jul-17	11-Aug-17	0%	0%	-21	
AB22560	Floor Screeding	21	22-Jul-17	11-Aug-17	12-Aug-17	01-Sep-17	0%	0%	-21	
AB22570	Drywall (MEP consealed items, close up panel)	21	12-Aug-17	01-Sep-17	02-Sep-17	22-Sep-17	0%	0%	-21	
General BS Installation										
Electrical System										
AB54330	MEP 1st fix - LGF Sector F	30	08-Jul-17	06-Aug-17	29-Jul-17	27-Aug-17	0%	0%	-21	
AB54340	MEP 2nd fix - LGF Sector F	45	07-Aug-17	20-Sep-17	28-Aug-17	13-Oct-17	0%	0%	-21	
AB54350	MEP Final fix - LGF Sector F	30	21-Sep-17	22-Oct-17	14-Oct-17	13-Nov-17	0%	0%	-21	
Plumbing & Drainage										
AB54360	P&D 1st fix - LGF Sector F	30	08-Jul-17	06-Aug-17	29-Jul-17	27-Aug-17	0%	0%	-21	



Data Date: 30-Jun-17
Layout Name: 01) CMWP - 3MRP (Template)
File Name: Three Months Rolling Programme 3MRP - Mth21 (30 June 2017)

Three Months Rolling Programme (3MRP) - Mth 21 - 30 June 2017

Activity ID	Activity Name	CMWP Dur.	CMWP - R0.D5 Start	CMWP -R0.D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	Comments / Mitigating Measures
AB54370	P&D 2nd fix - LGF Sector F	45	07-Aug-17	20-Sep-17	28-Aug-17	13-Oct-17	0%	0%	-21	
AB54380	P&D Final fix - LGF Sector F	30	21-Sep-17	22-Oct-17	14-Oct-17	13-Nov-17	0%	0%	-21	
FS System										
AB54390	FS 1st fix - LGF Sector F	30	08-Jul-17	06-Aug-17	29-Jul-17	27-Aug-17	0%	0%	-21	
AB54400	FS 2nd fix - LGF Sector F	45	07-Aug-17	20-Sep-17	28-Aug-17	13-Oct-17	0%	0%	-21	
AB54410	FS Final fix - LGF Sector F	30	21-Sep-17	22-Oct-17	14-Oct-17	13-Nov-17	0%	0%	-21	
HVAC System										
AB54420	HVAC 1st fix - LGF Sector F	30	08-Jul-17	06-Aug-17	29-Jul-17	27-Aug-17	0%	0%	-21	
AB54430	HVAC 2nd fix - LGF Sector F	45	07-Aug-17	20-Sep-17	28-Aug-17	13-Oct-17	0%	0%	-21	
AB54440	HVAC Final fix - LGF Sector F	30	21-Sep-17	22-Oct-17	14-Oct-17	13-Nov-17	0%	0%	-21	
Plantrooms										
Extract Fan Room										
Builders' Work										
AB22660	Concrete plinth and waterproofing works	12	24-Sep-17	07-Oct-17	17-Oct-17	29-Oct-17	0%	0%	-21	
Extract Fan Carpark										
Builders' Work										
AB22580	Concrete plinth and waterproofing works	12	02-Sep-17	13-Sep-17	23-Sep-17	06-Oct-17	0%	0%	-21	
AB22590	Floor Screeding & wall rendering	7	14-Sep-17	20-Sep-17	07-Oct-17	13-Oct-17	0%	0%	-21	
AB22600	Sealer on ceiling soffit & application of epoxy paint on w	3	21-Sep-17	23-Sep-17	14-Oct-17	16-Oct-17	0%	0%	-21	
BS Installation										
AB22610	Extract Fan Carpark - MEP 2nd fix	14	24-Sep-17	09-Oct-17	17-Oct-17	31-Oct-17	0%	0%	-21	
LG/F - Zone LGFU1 & LGFU3 (Sector G)										
General Builders' Work										
AB21990	Steel Post	14	27-Jun-17	11-Jul-17	30-Jun-17	14-Jul-17	21.43%	0%	-3	
AB22000	Blockwall	14	12-Jul-17	25-Jul-17	15-Jul-17	28-Jul-17	0%	0%	-3	
AB22010	Wall Plastering	14	26-Jul-17	08-Aug-17	29-Jul-17	11-Aug-17	0%	0%	-3	
AB22020	Floor Screeding	21	09-Aug-17	29-Aug-17	12-Aug-17	01-Sep-17	0%	0%	-3	
AB22030	Drywall (MEP consealed items, close up panel)	21	30-Aug-17	19-Sep-17	02-Sep-17	22-Sep-17	0%	0%	-3	
General BS Installation										
Electrical System										
AB54570	MEP 1st fix - LGF Sector G	30	26-Jul-17	24-Aug-17	29-Jul-17	27-Aug-17	0%	0%	-3	
AB54580	MEP 2nd fix - LGF Sector G	45	25-Aug-17	10-Oct-17	28-Aug-17	13-Oct-17	0%	0%	-3	
Plumbing & Drainage										
AB54600	P&D 1st fix - LGF Sector G	30	26-Jul-17	24-Aug-17	29-Jul-17	27-Aug-17	0%	0%	-3	
AB54610	P&D 2nd fix - LGF Sector G	45	25-Aug-17	10-Oct-17	28-Aug-17	13-Oct-17	0%	0%	-3	
FS System										
AB54630	FS 1st fix - LGF Sector G	30	26-Jul-17	24-Aug-17	29-Jul-17	27-Aug-17	0%	0%	-3	
AB54640	FS 2nd fix - LGF Sector G	45	25-Aug-17	10-Oct-17	28-Aug-17	13-Oct-17	0%	0%	-3	
HVAC System										
AB54660	HVAC 1st fix - LGF Sector G	30	26-Jul-17	24-Aug-17	29-Jul-17	27-Aug-17	0%	0%	-3	
AB54670	HVAC 2nd fix - LGF Sector G	45	25-Aug-17	10-Oct-17	28-Aug-17	13-Oct-17	0%	0%	-3	
Plantrooms										
M+ Water Tank										
AB22190	Waterproofing works & water	12	27-Jun-17	09-Jul-17	30-Jun-17	12-Jul-17	25%	0%	-3	
AB22200	Plastering work (inside tank)	10	10-Jul-17	19-Jul-17	13-Jul-17	22-Jul-17	0%	0%	-3	
AB22210	Wall & floor tiling	14	20-Jul-17	02-Aug-17	23-Jul-17	05-Aug-17	0%	0%	-3	
AB22220	Application of sealer on soffit (outside tank)	7	03-Aug-17	09-Aug-17	06-Aug-17	12-Aug-17	0%	0%	-3	
AB22230	Cat ladder	7	10-Aug-17	16-Aug-17	13-Aug-17	19-Aug-17	0%	0%	-3	
AB22240	Hatch cover	7	17-Aug-17	23-Aug-17	20-Aug-17	26-Aug-17	0%	0%	-3	
RDE Stair Pressurization Room										
Builder's Work										
AB22040	Sealer on ceiling soffit & epoxy paint on wall	7	20-Sep-17	26-Sep-17	23-Sep-17	29-Sep-17	0%	0%	-3	
BS Installation										
AB22050	RDE Stair Pressurization Room - MEP 2nd fix	14	27-Sep-17	12-Oct-17	30-Sep-17	15-Oct-17	0%	0%	-3	
LV Switch Room										
Builder's Work										
AB22100	Construct plinth	5	27-Sep-17	01-Oct-17	30-Sep-17	06-Oct-17	0%	0%	-3	
M+ Podium ABWF & BS Installation										



Data Date: 30-Jun-17
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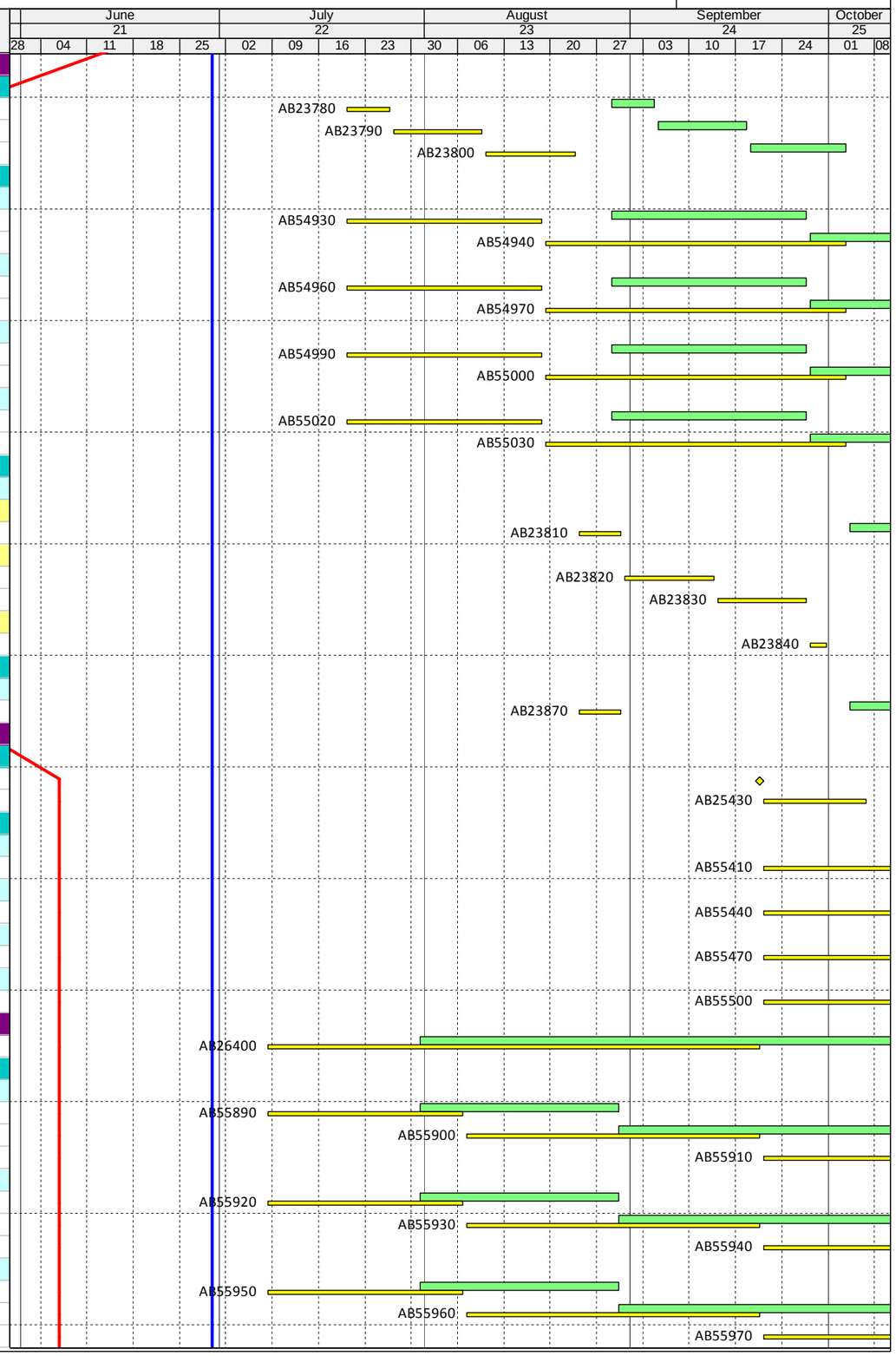
File Name: Three Months Rolling Programme 3MRP - Mth21 (30 June 2017)

Three Months Rolling Programme (3MRP) - Mth 21 - 30 June 2017

Activity ID	Activity Name	CMWP Dur.	CMWP - R0.D5 Start	CMWP -R0.D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	Comments / Mitigating Measures
G/F - Zone A1 (Sector C)										
General Builders' Work										
AB23780	Wall Plastering	7	20-Jul-17	26-Jul-17	29-Aug-17	04-Sep-17	0%	0%	-40	
AB23790	Drywall (MEP consealed items, close up panel)	14	27-Jul-17	09-Aug-17	05-Sep-17	18-Sep-17	0%	0%	-40	
AB23800	Floor Screeding	14	10-Aug-17	23-Aug-17	19-Sep-17	03-Oct-17	0%	0%	-40	
General BS Installation										
Electrical System										
AB54930	MEP 1st fix - GF Sector C	30	20-Jul-17	18-Aug-17	29-Aug-17	27-Sep-17	0%	0%	-40	
AB54940	MEP 2nd fix - GF Sector C	45	19-Aug-17	03-Oct-17	28-Sep-17	14-Nov-17	0%	0%	-40	
Plumbing & Drainage										
AB54960	P&D 1st fix - GF Sector C	30	20-Jul-17	18-Aug-17	29-Aug-17	27-Sep-17	0%	0%	-40	
AB54970	P&D 2nd fix - GF Sector C	45	19-Aug-17	03-Oct-17	28-Sep-17	14-Nov-17	0%	0%	-40	
FS System										
AB54990	FS 1st fix - GF Sector C	30	20-Jul-17	18-Aug-17	29-Aug-17	27-Sep-17	0%	0%	-40	
AB55000	FS 2nd fix - GF Sector C	45	19-Aug-17	03-Oct-17	28-Sep-17	14-Nov-17	0%	0%	-40	
HVAC System										
AB55020	HVAC 1st fix - GF Sector C	30	20-Jul-17	18-Aug-17	29-Aug-17	27-Sep-17	0%	0%	-40	
AB55030	HVAC 2nd fix - GF Sector C	45	19-Aug-17	03-Oct-17	28-Sep-17	14-Nov-17	0%	0%	-40	
Plantrooms										
MEP Rooms										
Builder's Work										
AB23810	Sealer on ceiling soffit & epoxy paint on wall	7	24-Aug-17	30-Aug-17	04-Oct-17	11-Oct-17	0%	0%	-40	
BS Installation										
AB23820	MEP Room - MEP 2nd fix	14	31-Aug-17	13-Sep-17	12-Oct-17	25-Oct-17	0%	0%	-40	
AB23830	MEP Room - MEP final fix	14	14-Sep-17	27-Sep-17	26-Oct-17	09-Nov-17	0%	0%	-40	
Final Finishes										
AB23840	Final coat of paint on wall	3	28-Sep-17	30-Sep-17	10-Nov-17	12-Nov-17	0%	0%	-40	
Workshops, Storages & Offices										
Storage										
AB23870	Application of sealer on wall, soffit and floor	7	24-Aug-17	30-Aug-17	04-Oct-17	11-Oct-17	0%	0%	-40	
1/F - Zone A2 (Sector C)										
General Builders' Work										
AB25420	Maintenance platform @ 1M/F Sector C complete	0		20-Sep-17		16-Oct-17	0%	0%	-23	
AB25430	Wall Plastering	14	21-Sep-17	06-Oct-17	16-Oct-17	31-Oct-17	0%	0%	-23	
General BS Installation										
Electrical System										
AB55410	MEP 1st fix - 1F Sector C	30	21-Sep-17	22-Oct-17	16-Oct-17	16-Nov-17	0%	0%	-23	
Plumbing & Drainage										
AB55440	P&D 1st fix - 1F Sector C	30	21-Sep-17	22-Oct-17	16-Oct-17	16-Nov-17	0%	0%	-23	
FS System										
AB55470	FS 1st fix - 1F Sector C	30	21-Sep-17	22-Oct-17	16-Oct-17	16-Nov-17	0%	0%	-23	
HVAC System										
AB55500	HVAC 1st fix - 1F Sector C	30	21-Sep-17	22-Oct-17	16-Oct-17	16-Nov-17	0%	0%	-23	
1M/F - Zone A2 (Sector C)										
AB26400	Maintenance platform installation	75	08-Jul-17	20-Sep-17	31-Jul-17	16-Oct-17	0%	0%	-23	
General BS Installation										
Electrical System										
AB55890	MEP 1st fix - 1MF Sector A	30	08-Jul-17	06-Aug-17	31-Jul-17	30-Aug-17	0%	0%	-23	
AB55900	MEP 2nd fix - 1MF Sector A	45	07-Aug-17	20-Sep-17	30-Aug-17	16-Oct-17	0%	0%	-23	
AB55910	MEP Final fix - 1MF Sector A	30	21-Sep-17	22-Oct-17	16-Oct-17	16-Nov-17	0%	0%	-23	
Plumbing & Drainage										
AB55920	P&D 1st fix - 1MF Sector A	30	08-Jul-17	06-Aug-17	31-Jul-17	30-Aug-17	0%	0%	-23	
AB55930	P&D 2nd fix - 1MF Sector A	45	07-Aug-17	20-Sep-17	30-Aug-17	16-Oct-17	0%	0%	-23	
AB55940	P&D Final fix - 1MF Sector A	30	21-Sep-17	22-Oct-17	16-Oct-17	16-Nov-17	0%	0%	-23	
FS System										
AB55950	FS 1st fix - 1MF Sector A	30	08-Jul-17	06-Aug-17	31-Jul-17	30-Aug-17	0%	0%	-23	
AB55960	FS 2nd fix - 1MF Sector A	45	07-Aug-17	20-Sep-17	30-Aug-17	16-Oct-17	0%	0%	-23	
AB55970	FS Final fix - 1MF Sector A	30	21-Sep-17	22-Oct-17	16-Oct-17	16-Nov-17	0%	0%	-23	



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Three Months Rolling Programme (3MRP) - Mth 21 - 30 June 2017

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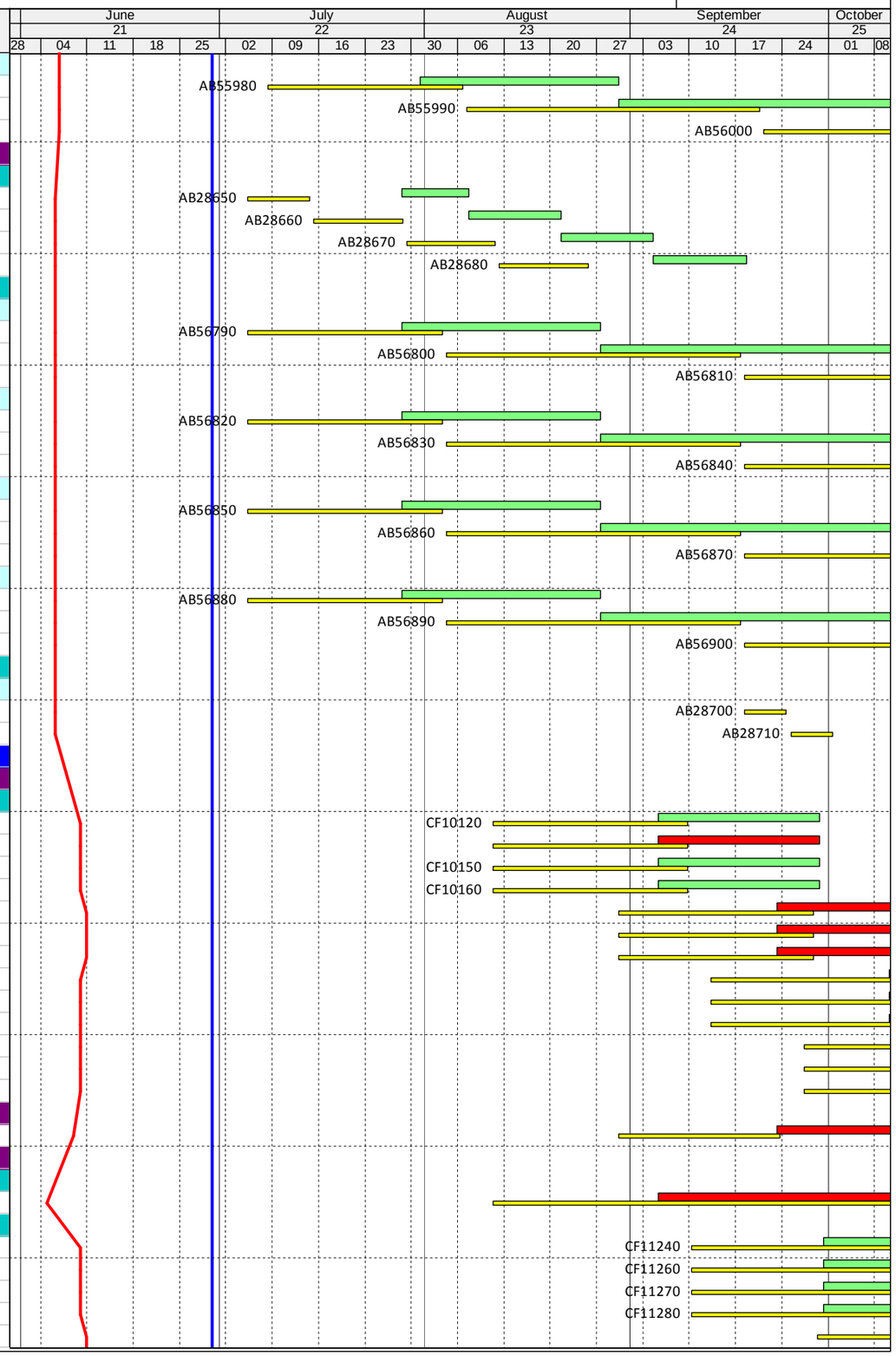
HVAC System										
AB55980	HVAC 1st fix - 1MF Sector A	30	08-Jul-17	06-Aug-17	31-Jul-17	30-Aug-17	0%	0%	-23	
AB55990	HVAC 2nd fix - 1MF Sector A	45	07-Aug-17	20-Sep-17	30-Aug-17	16-Oct-17	0%	0%	-23	
AB56000	HVAC Final fix - 1MF Sector A	30	21-Sep-17	22-Oct-17	16-Oct-17	16-Nov-17	0%	0%	-23	
3/F - Zone M (Sector C) - Tower Footprint										
General Builders' Work										
AB28650	Blockwall	10	05-Jul-17	14-Jul-17	28-Jul-17	07-Aug-17	0%	0%	-24	
AB28660	Wall Plastering	14	15-Jul-17	28-Jul-17	07-Aug-17	21-Aug-17	0%	0%	-24	
AB28670	Drywall (MEP consealed items, close up panel)	14	29-Jul-17	11-Aug-17	21-Aug-17	04-Sep-17	0%	0%	-24	
AB28680	Floor Screeding	14	12-Aug-17	25-Aug-17	04-Sep-17	18-Sep-17	0%	0%	-24	
General BS Installation										
Electrical System										
AB56790	MEP 1st fix - 3F Sector C	30	05-Jul-17	03-Aug-17	28-Jul-17	27-Aug-17	0%	0%	-24	
AB56800	MEP 2nd fix - 3F Sector C	45	04-Aug-17	17-Sep-17	27-Aug-17	13-Oct-17	0%	0%	-24	
AB56810	MEP Final fix - 3F Sector C	30	18-Sep-17	19-Oct-17	13-Oct-17	13-Nov-17	0%	0%	-24	
Plumbing & Drainage										
AB56820	P&D 1st fix - 3F Sector C	30	05-Jul-17	03-Aug-17	28-Jul-17	27-Aug-17	0%	0%	-24	
AB56830	P&D 2nd fix - 3F Sector C	45	04-Aug-17	17-Sep-17	27-Aug-17	13-Oct-17	0%	0%	-24	
AB56840	P&D Final fix - 3F Sector C	30	18-Sep-17	19-Oct-17	13-Oct-17	13-Nov-17	0%	0%	-24	
FS System										
AB56850	FS 1st fix - 3F Sector C	30	05-Jul-17	03-Aug-17	28-Jul-17	27-Aug-17	0%	0%	-24	
AB56860	FS 2nd fix - 3F Sector C	45	04-Aug-17	17-Sep-17	27-Aug-17	13-Oct-17	0%	0%	-24	
AB56870	FS Final fix - 3F Sector C	30	18-Sep-17	19-Oct-17	13-Oct-17	13-Nov-17	0%	0%	-24	
HVAC System										
AB56880	HVAC 1st fix - 3F Sector C	30	05-Jul-17	03-Aug-17	28-Jul-17	27-Aug-17	0%	0%	-24	
AB56890	HVAC 2nd fix - 3F Sector C	45	04-Aug-17	17-Sep-17	27-Aug-17	13-Oct-17	0%	0%	-24	
AB56900	HVAC Final fix - 3F Sector C	30	18-Sep-17	19-Oct-17	13-Oct-17	13-Nov-17	0%	0%	-24	
Kitchen & Cafe										
Warming Kitchen										
AB28700	Oak slats framework/suspension on ceiling installation	7	18-Sep-17	24-Sep-17	13-Oct-17	20-Oct-17	0%	0%	-24	
AB28710	MEP dropper	7	25-Sep-17	01-Oct-17	20-Oct-17	27-Oct-17	0%	0%	-24	
CSF ABWF & BS Installation										
Internal Finishes										
Critical Plant Room Builders' Works										
CF10120	G/F AHU Room	30	11-Aug-17	09-Sep-17	05-Sep-17	29-Sep-17	0%	0%	-20	
CF10140	1/F AHU Room	30	11-Aug-17	09-Sep-17	05-Sep-17	29-Sep-17	0%	0%	-20	
CF10150	1/F Gas Suppression Cylinders	30	11-Aug-17	09-Sep-17	05-Sep-17	29-Sep-17	0%	0%	-20	
CF10160	1/F ELV/ICT Room	30	11-Aug-17	09-Sep-17	05-Sep-17	29-Sep-17	0%	0%	-20	
CF10170	2/F AHU Room	30	30-Aug-17	28-Sep-17	23-Sep-17	19-Oct-17	0%	0%	-19	
CF10180	2/F Gas Suppression Cylinders	30	30-Aug-17	28-Sep-17	23-Sep-17	19-Oct-17	0%	0%	-19	
CF10190	2/F ELV/ICT Room	30	30-Aug-17	28-Sep-17	23-Sep-17	19-Oct-17	0%	0%	-19	
CF10940	3/F AHU Room	30	13-Sep-17	14-Oct-17	10-Oct-17	04-Nov-17	0%	0%	-20	
CF10950	3/F Gas Suppression Cylinders	30	13-Sep-17	14-Oct-17	10-Oct-17	04-Nov-17	0%	0%	-20	
CF10960	3/F ELV/ICT Room	30	13-Sep-17	14-Oct-17	10-Oct-17	04-Nov-17	0%	0%	-20	
CF10970	4/F AHU Room	30	27-Sep-17	29-Oct-17	24-Oct-17	18-Nov-17	0%	0%	-20	
CF10980	4/F Gas Suppression Cylinders	30	27-Sep-17	29-Oct-17	24-Oct-17	18-Nov-17	0%	0%	-20	
CF10990	4/F ELV/ICT Room	30	27-Sep-17	29-Oct-17	24-Oct-17	18-Nov-17	0%	0%	-20	
External Finishes										
CF10800	2/F Louvres Installation	22	30-Aug-17	23-Sep-17	23-Sep-17	20-Oct-17	0%	0%	-21	
Building Services Installation										
General										
CF10850	H.L. Services First Fix	200	11-Aug-17	07-Mar-18	05-Sep-17	04-Apr-18	0%	0%	-25	
Plant Rooms										
CF11240	G/F AHU Room Installation	45	10-Sep-17	26-Oct-17	30-Sep-17	16-Nov-17	0%	0%	-20	
CF11260	1/F AHU Room Installation	45	10-Sep-17	26-Oct-17	30-Sep-17	16-Nov-17	0%	0%	-20	
CF11270	1/F Gas Suppression Cylinders Installation	45	10-Sep-17	26-Oct-17	30-Sep-17	16-Nov-17	0%	0%	-20	
CF11280	1/F ELV/ICT Room Installation	45	10-Sep-17	26-Oct-17	30-Sep-17	16-Nov-17	0%	0%	-20	
CF11290	2/F AHU Room Installation	45	29-Sep-17	15-Nov-17	20-Oct-17	04-Dec-17	0%	0%	-19	



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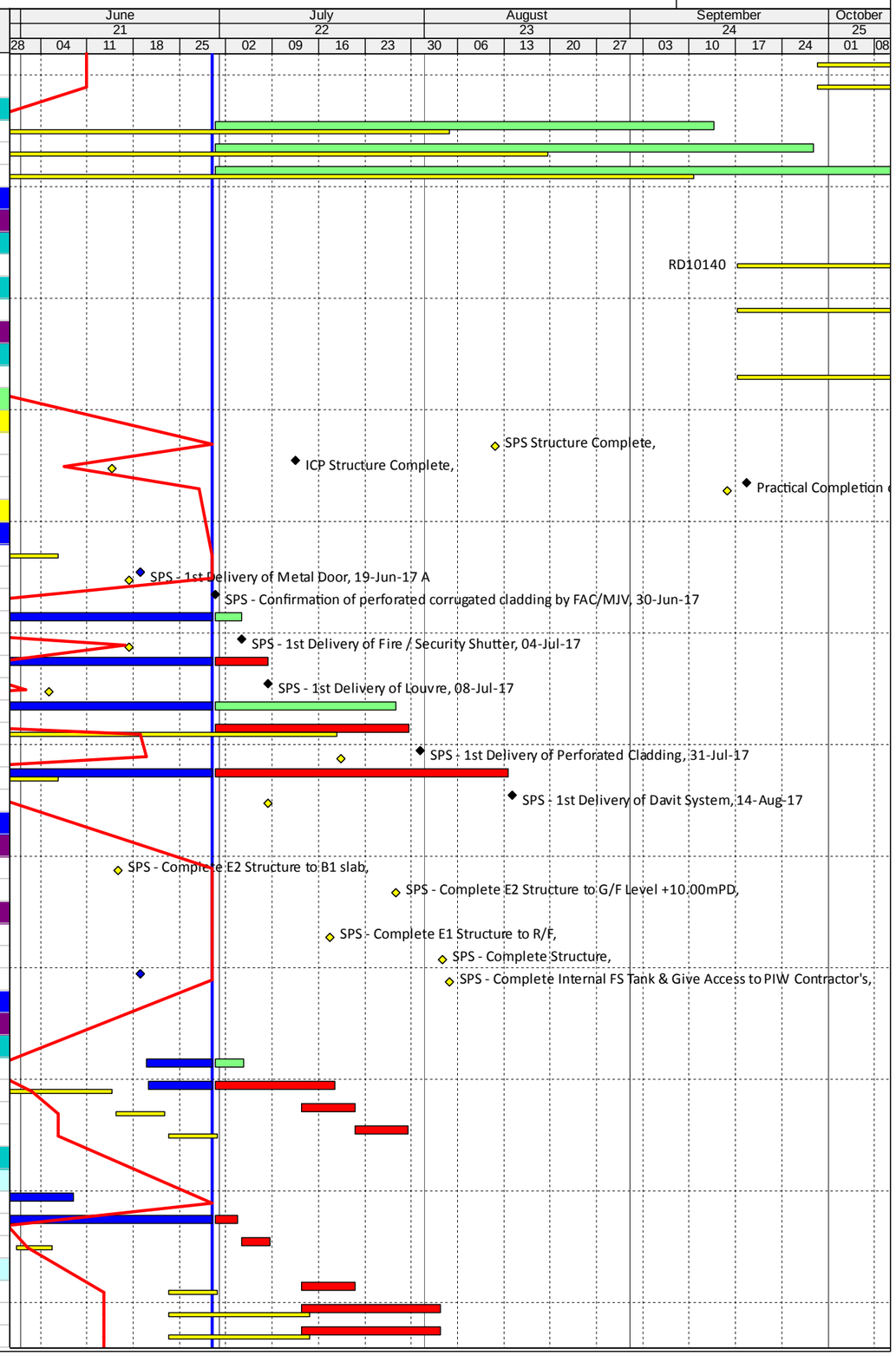
CF11300	2/F Gas Suppression Cylinders Installation	45	29-Sep-17	15-Nov-17	20-Oct-17	04-Dec-17	0%	0%	-19	
CF11310	2/F ELV/ICT Room Installation	45	29-Sep-17	15-Nov-17	20-Oct-17	04-Dec-17	0%	0%	-19	
Lifts & Escalators										
CF11330	8/F Lift LT-53 Lift Installation	75	20-May-17	04-Aug-17	30-Jun-17	13-Sep-17	53.33%	0%	-40	
CF11220	8/F Lift LT-51 (Fireman & Disabled) Lift Installation	90	20-May-17	19-Aug-17	30-Jun-17	28-Sep-17	44.44%	0%	-40	
CF11320	8/F Lift LT-52 (Art Lift) Installation	112	20-May-17	10-Sep-17	30-Jun-17	22-Oct-17	35.71%	0%	-40	
RDE ABWF & BS Installation										
Internal Finishes										
Critical Plant Rooms Builders' Work										
RD10140	1/F SED Plenum	30	17-Sep-17	18-Oct-17	01-Nov-17	01-Dec-17	0%	0%	-43	
General Finishes										
RD10210	Blockwall Erection 1st Fix	150	17-Sep-17	22-Feb-18	01-Nov-17	10-Apr-18	0%	0%	-43	
Building Services Installation										
General										
RD10750	H.L. Services First Fix	225	17-Sep-17	13-May-18	01-Nov-17	27-Jun-18	0%	0%	-43	
ICP & SPS Construction										
Key Dates										
A31570	SPS Structure Complete	0		11-Aug-17		21-Apr-17 A	0%	100%	92	
A31580	ICP Structure Complete	0		14-Jun-17		12-Jul-17	100%	0%	-22	
A31600	Practical Completion of SPS & H/O to DSD	0		15-Sep-17		18-Sep-17	0%	0%	-2	
SPS WORKS (Sewerage Pumping Station)										
Pre-Construction Works										
A55850	SPS - Procurement & fabrication of GRP Cover	90	09-Mar-17	06-Jun-17	09-Mar-17	12-Apr-17 A	100%	100%	55	
A55900	SPS - 1st Delivery of Metal Door	0	17-Jun-17		19-Jun-17		100%	100%	-1	
A55910	SPS - Confirmation of perforated corrugated cladding by	0	20-May-17		30-Jun-17		100%	0%	-34	Liaison with DLN, this cl
A55870	SPS - Procurement & fabrication of Fire / Security Roller	43	19-Mar-17	30-Apr-17	19-Mar-17	04-Jul-17	100%	90%	-64	
A55880	SPS - 1st Delivery of Fire / Security Shutter	0	17-Jun-17		04-Jul-17		100%	0%	-13	
A55810	SPS - Procurement & fabrication of Louvre	82	09-Mar-17	29-May-17	09-Mar-17	08-Jul-17	100%	90%	-39	
A55820	SPS - 1st Delivery of Louvre	0	05-Jun-17		08-Jul-17		100%	0%	-28	
A55890	SPS - Procurement & fabrication of Metal Door	43	19-Mar-17	30-Apr-17	19-Mar-17	27-Jul-17	100%	34.88%	-88	Door Group and wall fin
A55920	SPS - Procurement & fabrication of Perforated Cladding	60	20-May-17	18-Jul-17	30-Jun-17	29-Jul-17	68.33%	0%	-11	
A55930	SPS - 1st Delivery of Perforated Cladding	0	19-Jul-17		31-Jul-17		0%	0%	-10	
A55830	SPS - Procurement & fabrication of Davit System	90	09-Mar-17	06-Jun-17	09-Mar-17	13-Aug-17	100%	50%	-68	
A55840	SPS - 1st Delivery of Davit System	0	08-Jul-17		14-Aug-17		0%	0%	-31	
RC Structures										
Portion E2 - Pump Station B2/F & B1/F										
A37680	SPS - Complete E2 Structure to B1 slab	0		15-Jun-17		31-Dec-16 A	100%	100%	131	
A37970	SPS - Complete E2 Structure to G/F Level +10.00mPD	0		27-Jul-17		18-Mar-17 A	0%	100%	104	
Portion E1 - Plant Room B1/F										
A31845	SPS - Complete E1 Structure to R/F	0		17-Jul-17		25-Mar-17 A	0%	100%	89	
A31860	SPS - Complete Structure	0		03-Aug-17		21-Apr-17 A	0%	100%	85	
A31870	SPS - Complete Internal FS Tank & Give Access to PIW Cc	0		04-Aug-17		19-Jun-17 A	0%	100%	40	
SPS - ABWF & Building Services Installation										
Pump Station										
B2/F - Pump Station										
A55640	Install bracket for cat ladder	3	20-May-17	23-May-17	20-Jun-17	04-Jul-17	100%	0%	-34	
A55650	Waterproofing & water test	18	24-May-17	14-Jun-17	20-Jun-17	18-Jul-17	100%	20%	-27	by HCC
A55660	Plastering & screening	7	15-Jun-17	22-Jun-17	13-Jul-17	21-Jul-17	100%	0%	-23	not required in finishing
A55710	Cat ladder installation	7	23-Jun-17	30-Jun-17	21-Jul-17	29-Jul-17	85.71%	0%	-23	
B1/F - Pump Station										
Builders' Work										
A55680	Blockwall	6	12-May-17	18-May-17	12-May-17	09-Jun-17 A	100%	100%	-17	
A55690	Plastering, screeding & Painting	10	15-May-17	25-May-17	15-May-17	03-Jul-17	100%	80%	-31	
A55700	Channel grating & railing installation	5	31-May-17	05-Jun-17	04-Jul-17	08-Jul-17	100%	0%	-28	
BS Installation										
A55770	SPS - MEP 2nd fix	7	23-Jun-17	30-Jun-17	13-Jul-17	21-Jul-17	85.71%	0%	-16	
A55780	SPS - Install Soil & Waste Water Pump Set	18	23-Jun-17	14-Jul-17	13-Jul-17	03-Aug-17	33.33%	0%	-16	
A56610	SPS - Install Sewage Water Pump Set (3 nos.)	18	23-Jun-17	14-Jul-17	13-Jul-17	03-Aug-17	33.33%	0%	-16	



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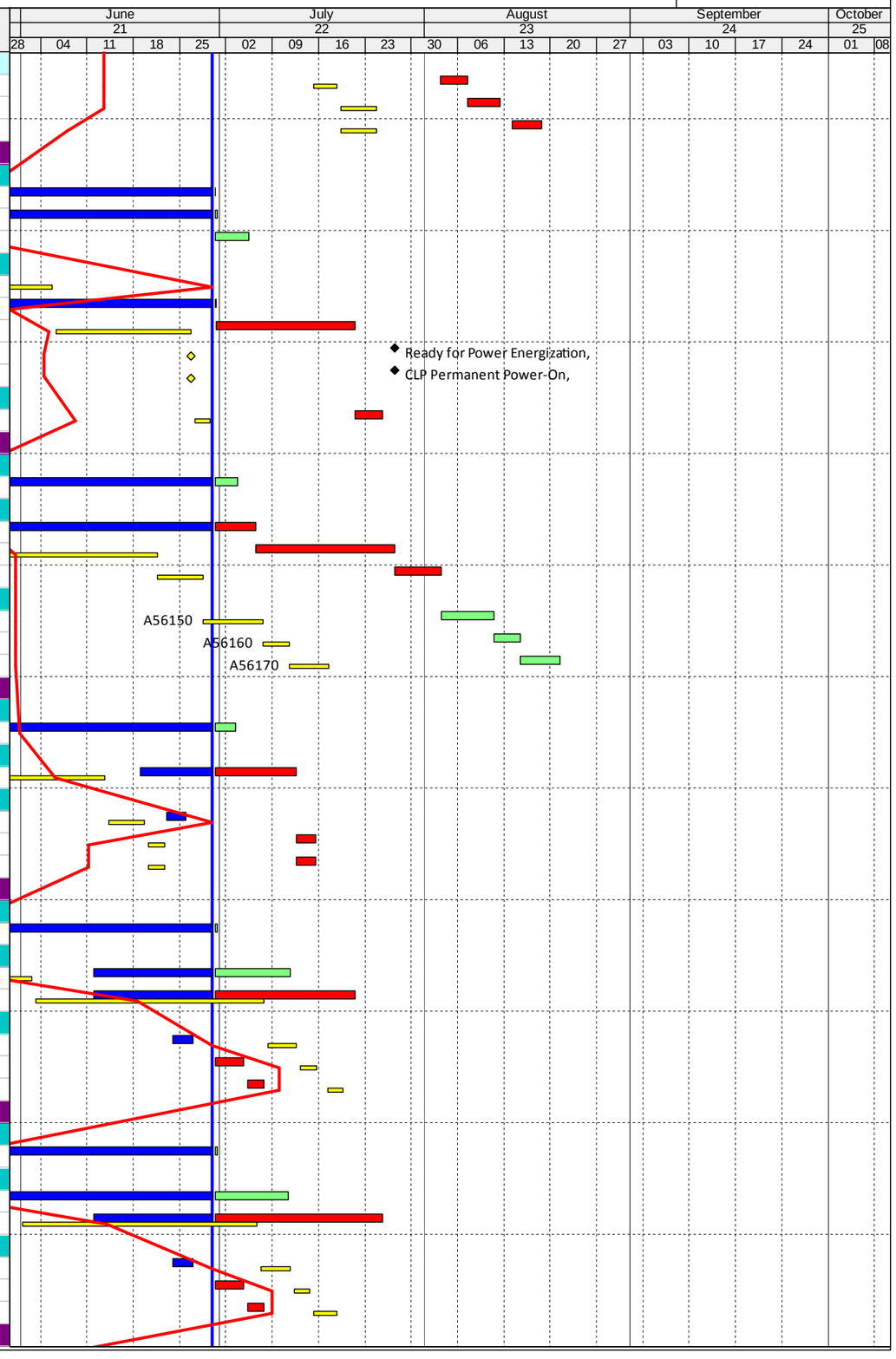
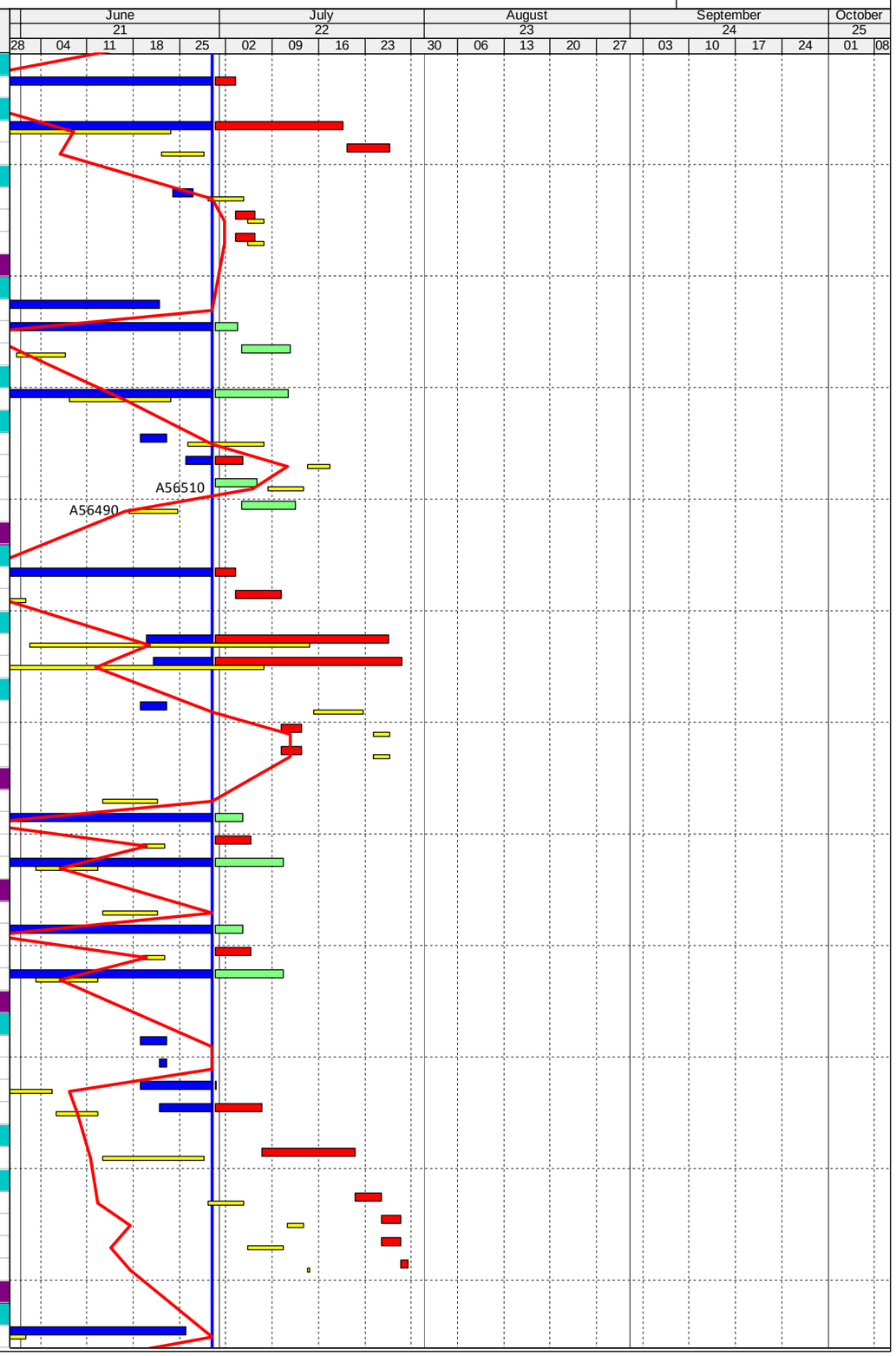
Final Finishes										
A55790	Apply floor sealer	3	15-Jul-17	18-Jul-17	03-Aug-17	07-Aug-17	0%	0%	-16	
A55800	Door & ironmongeries installation	5	19-Jul-17	24-Jul-17	07-Aug-17	12-Aug-17	0%	0%	-16	
A56580	Davit installtion & GRP cover	5	19-Jul-17	24-Jul-17	14-Aug-17	18-Aug-17	0%	0%	-22	
CLP Meter Cabinet Room										
Builders' Work										
A31930	CLP Cabinet Room - Apply paint on ceiling & wall	3	15-May-17	17-May-17	15-May-17	30-Jun-17	100%	90%	-36	
A31920	CLP Cabinet Room - Plastering & screeding	7	11-May-17	18-May-17	11-May-17	30-Jun-17	100%	85.71%	-36	
A31950	CLP Cabinet Room - Sealer on floor	3	20-May-17	24-May-17	30-Jun-17	05-Jul-17	100%	0%	-34	
BS Installation										
A31970	Inspection for Handover to CLP	7	27-May-17	05-Jun-17	19-May-17	19-May-17 A	100%	100%	14	
A31960	Install CLP Electrical Meter Cabinet	7	17-May-17	24-May-17	17-May-17	30-Jun-17	100%	90%	-31	
A31980	CLP Meter Installation and T&C	21	06-Jun-17	26-Jun-17	30-Jun-17	21-Jul-17	100%	0%	-25	
A32040	Ready for Power Energization	0		26-Jun-17		27-Jul-17	100%	0%	-26	
A31990	CLP Permanent Power-On	0		26-Jun-17		27-Jul-17	100%	0%	-26	
Final Finishes										
A31940	CLP Cabinet Room - Install doors, grated drains, & Misc.	3	27-Jun-17	29-Jun-17	21-Jul-17	25-Jul-17	100%	0%	-21	
LV Switch Room										
Builders' Work										
A56140	Plastering & screeding	7	04-May-17	11-May-17	04-May-17	03-Jul-17	100%	71.43%	-43	remark: 20% is screedir
BS Installation										
A32050	SPS - MEP 2nd fix	6	19-May-17	25-May-17	19-May-17	06-Jul-17	100%	25%	-34	
A32060	SPS - Install LV Main Distribution Board	21	26-May-17	21-Jun-17	06-Jul-17	27-Jul-17	100%	0%	-30	
A56550	SPS - Setup LV Main Distribution Board & SAT	6	21-Jun-17	28-Jun-17	27-Jul-17	03-Aug-17	100%	0%	-30	
Final Finishes										
A56150	Apply paint coating on ceiling & wall	7	28-Jun-17	07-Jul-17	03-Aug-17	11-Aug-17	18.57%	0%	-30	
A56160	Apply floor sealer	3	07-Jul-17	11-Jul-17	11-Aug-17	15-Aug-17	0%	0%	-30	
A56170	Door & ironmongeries installation	5	11-Jul-17	17-Jul-17	15-Aug-17	21-Aug-17	0%	0%	-30	
Fire Control Centre										
Builders' Work										
A56040	Plastering & screeding	6	20-May-17	26-May-17	26-May-17	03-Jul-17	100%	80%	-29	
BS Installation										
A56050	SPS - MEP 2nd & Final Fix for Fire Control Centre	14	27-May-17	13-Jun-17	19-Jun-17	12-Jul-17	100%	30%	-24	
Final Finishes										
A56060	Apply paint coating on ceiling & wall	5	14-Jun-17	19-Jun-17	23-Jun-17	26-Jun-17 A	100%	100%	-5	
A56070	Apply sealer on floor	3	20-Jun-17	22-Jun-17	12-Jul-17	15-Jul-17	100%	0%	-19	
A56080	Door & ironmongeries installation	3	20-Jun-17	22-Jun-17	12-Jul-17	15-Jul-17	100%	0%	-19	
FS Pump Room										
Builders' Work										
A55990	Plastering & screeding	5	08-May-17	12-May-17	08-May-17	30-Jun-17	100%	80%	-41	remark: 20% is screedir
BS Installation										
A32180	SPS - MEP 2nd Fix	10	22-May-17	02-Jun-17	12-Jun-17	11-Jul-17	100%	10%	-32	FS Pumps were fixed in
A32190	SPS - Install FS Pump Set & SAT	29	03-Jun-17	07-Jul-17	12-Jun-17	21-Jul-17	79.31%	40%	-11	
Finial Finishes										
A56000	Apply paint coating on ceiling & wall	4	08-Jul-17	12-Jul-17	24-Jun-17	27-Jun-17 A	0%	100%	13	
A56010	Apply floor sealer	3	13-Jul-17	15-Jul-17	30-Jun-17	04-Jul-17	0%	0%	10	
A56020	Door & ironmongeries installation	3	17-Jul-17	19-Jul-17	05-Jul-17	07-Jul-17	0%	0%	10	
Sprinkler Pump Room										
Builders' Work										
A55940	Plastering & screeding	5	08-May-17	12-May-17	08-May-17	30-Jun-17	100%	80%	-41	remark: 20% is screedir
BS Installation										
A32200	SPS - MEP 2nd Fix	10	17-May-17	27-May-17	17-May-17	11-Jul-17	100%	15%	-36	Duration was extented c
A32210	SPS - Install Sprinkler Pump Set & SAT	30	01-Jun-17	06-Jul-17	12-Jun-17	25-Jul-17	83.33%	30%	-16	Sprinkler pumps arrivec
Final Finishes										
A55950	Apply paint coating on ceiling & wall	4	07-Jul-17	11-Jul-17	24-Jun-17	27-Jun-17 A	0%	100%	12	
A55960	Apply floor sealer	3	12-Jul-17	14-Jul-17	30-Jun-17	04-Jul-17	0%	0%	9	
A55970	Door & ironmongeries installation	3	15-Jul-17	18-Jul-17	05-Jul-17	07-Jul-17	0%	0%	9	
Fan Room										



Data Date: 30-Jun-17
Layout Name: 01) CMWP - 3MRP (Template)
File Name: Three Months Rolling Programme 3MRP - Mth21 (30 June 2017)

Three Months Rolling Programme (3MRP) - Mth 21 - 30 June 2017

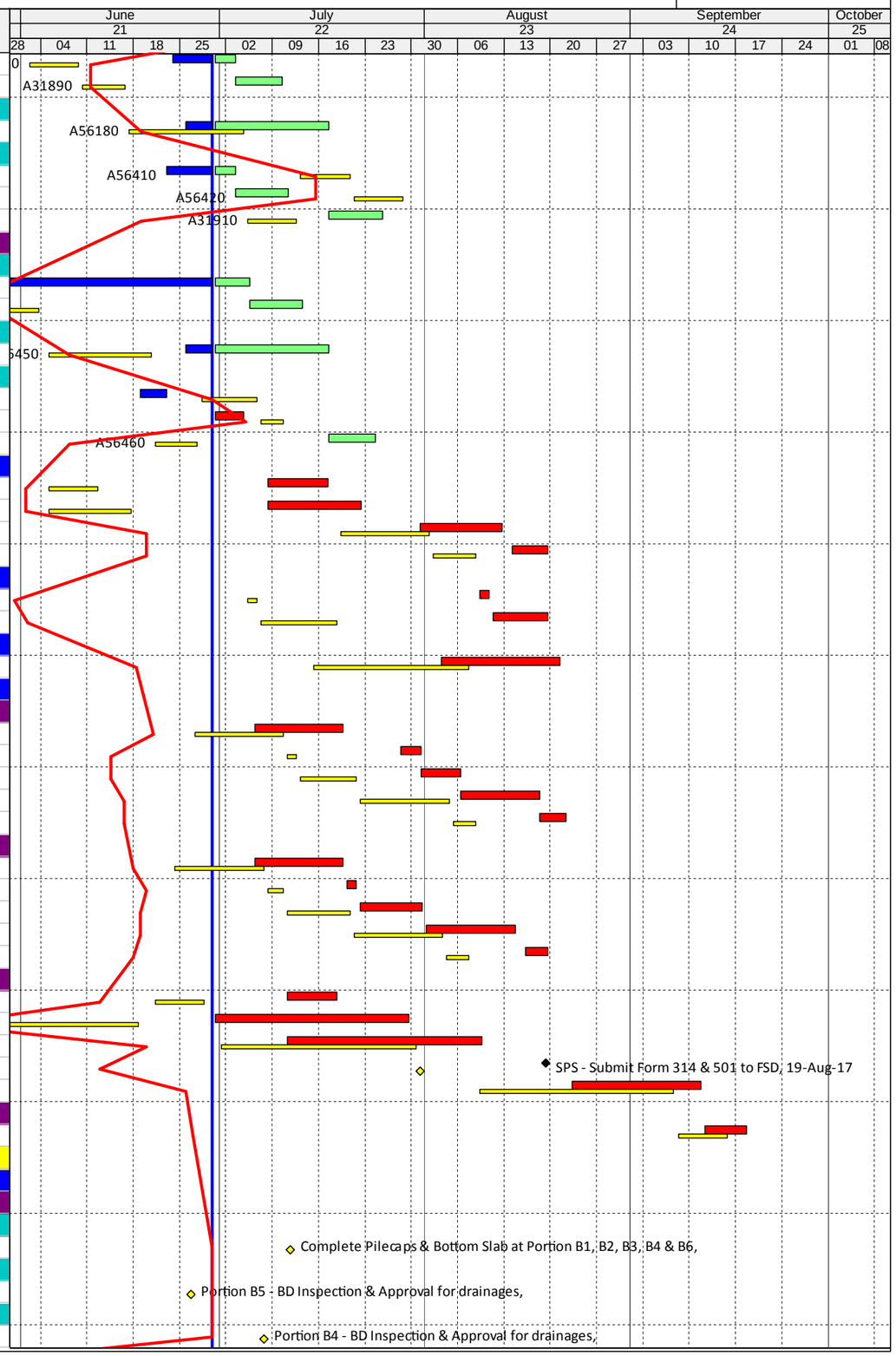
Activity ID	Activity Name	CMWP Dur.	CMWP - R0.D5 Start	CMWP -R0.D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	Comments / Mitigating Measures
Builders' Work										
A56100	Plastering & screeding	6	02-May-17	09-May-17	02-May-17	03-Jul-17	100%	80%	-44	remark: 20% is screedir
BS Installation										
A56530	SPS - Install Fans (2 nos.) & Equippment	30	19-May-17	23-Jun-17	19-May-17	19-Jul-17	100%	20%	-21	Fans delivered on 21/6
A56540	SPS - MEP 2nd & final fix	6	22-Jun-17	28-Jun-17	20-Jul-17	26-Jul-17	100%	0%	-23	
Final Finishes										
A56110	Apply paint coating on ceiling & wall	4	29-Jun-17	04-Jul-17	24-Jun-17	27-Jun-17 A	25%	100%	6	
A56120	Apply floor sealer	3	05-Jul-17	07-Jul-17	03-Jul-17	06-Jul-17	0%	0%	2	
A56130	Door & ironmongeries installation	3	05-Jul-17	07-Jul-17	03-Jul-17	06-Jul-17	0%	0%	2	
Pump Station Service Yard										
Builders' Work										
A55730	Blockwall	12	06-May-17	19-May-17	06-May-17	22-Jun-17 A	100%	100%	-27	
A55740	Plastering & screeding	10	10-May-17	20-May-17	10-May-17	03-Jul-17	100%	80%	-35	remark: 20% is screedir
A55750	Channel grating & trench cover installation	7	31-May-17	07-Jun-17	04-Jul-17	11-Jul-17	100%	0%	-28	
BS Installation										
A55760	SPS - MEP 2nd Fix for Pump Station Service Yard	14	08-Jun-17	23-Jun-17	29-May-17	11-Jul-17	100%	40%	-13	
Final Finishes										
A56500	Apply paint on ceiling & wall	10	26-Jun-17	07-Jul-17	19-Jun-17	23-Jun-17 A	40%	100%	12	
A56520	Door & ironmongeries installation	3	14-Jul-17	17-Jul-17	26-Jun-17	04-Jul-17	0%	10%	11	
A56510	Apply floor sealer	5	08-Jul-17	13-Jul-17	30-Jun-17	06-Jul-17	0%	0%	6	
A56490	Install roller shutter (for security)	7	17-Jun-17	24-Jun-17	04-Jul-17	12-Jul-17	100%	0%	-13	
Cleansing & Flushing Water Tank Room										
Builders' Work										
A56190	Plastering & screeding	6	10-May-17	16-May-17	10-May-17	03-Jul-17	100%	80%	-38	remark: 20% is screedir
A56200	Install glass-fibre water tank supporting frame	6	25-May-17	01-Jun-17	03-Jul-17	10-Jul-17	100%	0%	-31	
BS Installation										
A32170	SPS - Install Water Tank, Pipeworks & Testing	36	02-Jun-17	14-Jul-17	20-Jun-17	26-Jul-17	66.67%	10%	-10	
A32160	SPS - Install Pumps, Valves & Equipment	36	25-May-17	07-Jul-17	21-Jun-17	28-Jul-17	83.33%	5%	-18	
Final Finishes										
A56210	Apply paint coating on ceiling & wall	7	15-Jul-17	22-Jul-17	19-Jun-17	23-Jun-17 A	0%	100%	25	
A56220	Apply floor sealer	3	24-Jul-17	26-Jul-17	10-Jul-17	13-Jul-17	0%	0%	12	
A56230	Door & ironmongeries installation	3	24-Jul-17	26-Jul-17	10-Jul-17	13-Jul-17	0%	0%	12	
Sprinkler Tank										
A56260	Wall & floor tiling	8	13-Jun-17	21-Jun-17	10-Apr-17	21-Apr-17 A	100%	100%	50	Omitted already
A56240	Waterproofing & water test	12	08-May-17	20-May-17	08-May-17	04-Jul-17	100%	80%	-35	
A56270	Install Cat ladder & hatch cover	4	19-Jun-17	22-Jun-17	30-Jun-17	05-Jul-17	100%	0%	-10	
A56250	Plaster work (inside tank)	8	03-Jun-17	12-Jun-17	22-May-17	10-Jul-17	100%	0%	-23	
FS Tank										
A56300	Wall & floor tiling	8	13-Jun-17	21-Jun-17	10-Apr-17	21-Apr-17 A	100%	100%	50	Omitted already
A56280	Waterproofing & water test	12	10-May-17	23-May-17	10-May-17	04-Jul-17	100%	80%	-33	
A56310	Install Cat ladder & hatch cover	4	19-Jun-17	22-Jun-17	30-Jun-17	05-Jul-17	100%	0%	-10	
A56290	Plaster work (inside tank)	8	03-Jun-17	12-Jun-17	22-May-17	10-Jul-17	100%	0%	-23	
Accessible Unisex Toilet										
Builders' Work										
A56320	Waterproofing & water test	5	20-May-17	25-May-17	19-Jun-17	23-Jun-17 A	100%	100%	-23	
A56330	Protective screeding / floor screeding	2	26-May-17	27-May-17	22-Jun-17	23-Jun-17 A	100%	100%	-21	
A56340	Wall & floor tiling	6	29-May-17	05-Jun-17	19-Jun-17	30-Jun-17	100%	90%	-22	
A56350	Gypsum/cement board ceiling framwork & close-up	6	06-Jun-17	12-Jun-17	22-Jun-17	07-Jul-17	100%	10%	-20	
BS Installation										
A56360	SPS - MEP 2nd Fix for Accessible Unisex Toilet	14	13-Jun-17	28-Jun-17	07-Jul-17	21-Jul-17	100%	0%	-18	
Final Finishes										
A56370	Apply Taping joint & painting on ceiling	4	29-Jun-17	04-Jul-17	21-Jul-17	25-Jul-17	25%	0%	-17	
A56390	Door & ironmongeries installation	3	11-Jul-17	13-Jul-17	25-Jul-17	28-Jul-17	0%	0%	-12	
A56380	Sanitary wares & fitting installation	5	05-Jul-17	10-Jul-17	25-Jul-17	28-Jul-17	0%	0%	-15	
A56400	Mirror installation	1	14-Jul-17	14-Jul-17	28-Jul-17	29-Jul-17	0%	0%	-12	
Corridor										
Builders' Work										
A31875	Blockwall	10	20-May-17	01-Jun-17	22-May-17	26-Jun-17 A	100%	100%	-20	



Data Date: 30-Jun-17
Layout Name: 01) CMWP - 3MRP (Template)
File Name: Three Months Rolling Programme 3MRP - Mth21 (30 June 2017)

Three Months Rolling Programme (3MRP) - Mth 21 - 30 June 2017

Activity ID	Activity Name	CMWP Dur.	CMWP - R0.D5 Start	CMWP -R0.D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	Comments / Mitigating Measures
A31880	Plastering & screeding	7	02-Jun-17	09-Jun-17	24-Jun-17	03-Jul-17	100%	80%	-18	
A31890	Wall tiling & Install chequered plate on floor	6	10-Jun-17	16-Jun-17	03-Jul-17	10-Jul-17	100%	0%	-18	
BS Installation										
A56180	SPS - MEP 2nd Fix for Corridor	14	17-Jun-17	04-Jul-17	26-Jun-17	17-Jul-17	78.57%	1.99%	-11	
Final Finishes										
A56410	Apply paint on ceiling & wall	7	13-Jul-17	20-Jul-17	23-Jun-17	03-Jul-17	0%	80%	16	
A56420	Door & ironmongeries installation	7	21-Jul-17	28-Jul-17	03-Jul-17	11-Jul-17	0%	0%	16	
A31910	FRP ceiling	7	05-Jul-17	12-Jul-17	17-Jul-17	25-Jul-17	0%	0%	-11	
Staircase										
Builders' Work										
A56430	Wall Plastering & screeding	12	12-May-17	25-May-17	12-May-17	05-Jul-17	100%	70%	-33	
A56440	Install handrail / balustrade	7	26-May-17	03-Jun-17	05-Jul-17	13-Jul-17	100%	0%	-33	
BS Installation										
A56450	SPS - MEP 2nd Fix for Staircases	14	05-Jun-17	20-Jun-17	26-Jun-17	17-Jul-17	100%	1.99%	-22	
Final Finishes										
A56470	Apply paint on ceiling & wall	7	28-Jun-17	06-Jul-17	19-Jun-17	23-Jun-17 A	28.57%	100%	11	
A56480	Install Door & ironmongeries	3	07-Jul-17	10-Jul-17	30-Jun-17	04-Jul-17	0%	0%	5	
A56460	Floor tiling	6	21-Jun-17	27-Jun-17	17-Jul-17	24-Jul-17	100%	0%	-22	
SPS - External Envelope										
A32220	SPS - Install GRC Architectural Louvre & Bracket	7	05-Jun-17	12-Jun-17	08-Jul-17	17-Jul-17	100%	0%	-28	
A32230	SPS - Erect steel frame for perforated corrugated claddir	12	05-Jun-17	17-Jun-17	08-Jul-17	22-Jul-17	100%	0%	-28	
A56560	SPS - Install perforated corrugated cladding	12	19-Jul-17	01-Aug-17	31-Jul-17	12-Aug-17	0%	0%	-10	
A56570	SPS - Final Fix & Facade Final Cleaning	6	02-Aug-17	08-Aug-17	14-Aug-17	19-Aug-17	0%	0%	-10	
SPS - Access Pavement										
A56590	SPS - Backfilling	2	05-Jul-17	06-Jul-17	09-Aug-17	10-Aug-17	0%	0%	-30	
A56600	SPS - Construct SPS access pavement	10	07-Jul-17	18-Jul-17	11-Aug-17	19-Aug-17	0%	0%	-28	
SPS - Testing & Commissioning										
A32240	SPS - Testing and Commissioning	20	15-Jul-17	07-Aug-17	03-Aug-17	21-Aug-17	0%	0%	-12	
SPS - Statutory Inspection										
FS Water										
A32290	SPS - Submit & Approval of Form WW046 (Part 4) to WS	14	27-Jun-17	10-Jul-17	06-Jul-17	19-Jul-17	21.43%	0%	-9	
A32300	SPS - Inspection and Approval by WSD	2	11-Jul-17	12-Jul-17	28-Jul-17	31-Jul-17	0%	0%	-15	
A32305	SPS - Water Sample (2 nos.) & Report Submission	9	13-Jul-17	21-Jul-17	31-Jul-17	06-Aug-17	0%	0%	-15	
A32310	SPS - Issuance of WW046 (Part 5) by WSD (Water Certifi	14	22-Jul-17	04-Aug-17	06-Aug-17	18-Aug-17	0%	0%	-13	
A32320	SPS - Water Meter Connection (FS) by WSD	4	05-Aug-17	08-Aug-17	18-Aug-17	22-Aug-17	0%	0%	-13	
Potable Water / Flushing Water										
A32360	SPS - Submit & Approval of Form WW046 (Part 4) to WS	14	24-Jun-17	07-Jul-17	06-Jul-17	19-Jul-17	42.86%	0%	-12	
A32370	SPS - Inspection and Approval by WSD	2	08-Jul-17	10-Jul-17	20-Jul-17	21-Jul-17	0%	0%	-10	
A32375	SPS - Water Sample (2 nos.) & Report Submission	10	11-Jul-17	20-Jul-17	22-Jul-17	31-Jul-17	0%	0%	-11	
A32380	SPS - Issuance of WW046 (Part 5) by WSD (Water Certifi	14	21-Jul-17	03-Aug-17	01-Aug-17	14-Aug-17	0%	0%	-11	
A32390	SPS - Water Meter Connection (Plumbing) by WSD	4	04-Aug-17	07-Aug-17	16-Aug-17	19-Aug-17	0%	0%	-12	
FSD (Fire Services)										
A32405	SPS - FS direct link / FTNS avaliable	7	21-Jun-17	28-Jun-17	11-Jul-17	18-Jul-17	100%	0%	-17	
A32392	SPS - Submission & Approval of Final Amendment Build	30	20-May-17	18-Jun-17	30-Jun-17	29-Jul-17	100%	0%	-41	
A32394	SPS - VAC Submission to FSD & Approval	30	01-Jul-17	30-Jul-17	11-Jul-17	09-Aug-17	0%	0%	-10	
A32400	SPS - Submit Form 314 & 501 to FSD	0	31-Jul-17		19-Aug-17		0%	0%	-17	
A32410	SPS - FSD Inspections & Obtain FS Certificate	30	09-Aug-17	07-Sep-17	23-Aug-17	11-Sep-17	0%	0%	-4	
DSD										
A32250	SPS - Handover to DSD	8	08-Sep-17	15-Sep-17	12-Sep-17	18-Sep-17	0%	0%	-3	
ICP WORKS (Interfacing Car Park)										
Stage 2A										
Portion B										
Portion B										
A32520	Complete Pilecaps & Bottom Slab at Portion B1, B2, B3,	0		11-Jul-17		05-Jan-17 A	0%	100%	149	
Portion B5 - Pilecaps & Bottom slab										
A32670	Portion B5 - BD Inspection & Approval for drainages	0		26-Jun-17		21-Nov-16 A	100%	100%	173	
Portion B4 - Pilecaps & Bottom slab										
A32760	Portion B4 - BD Inspection & Approval for drainages	0		07-Jul-17		28-Dec-16 A	0%	100%	152	



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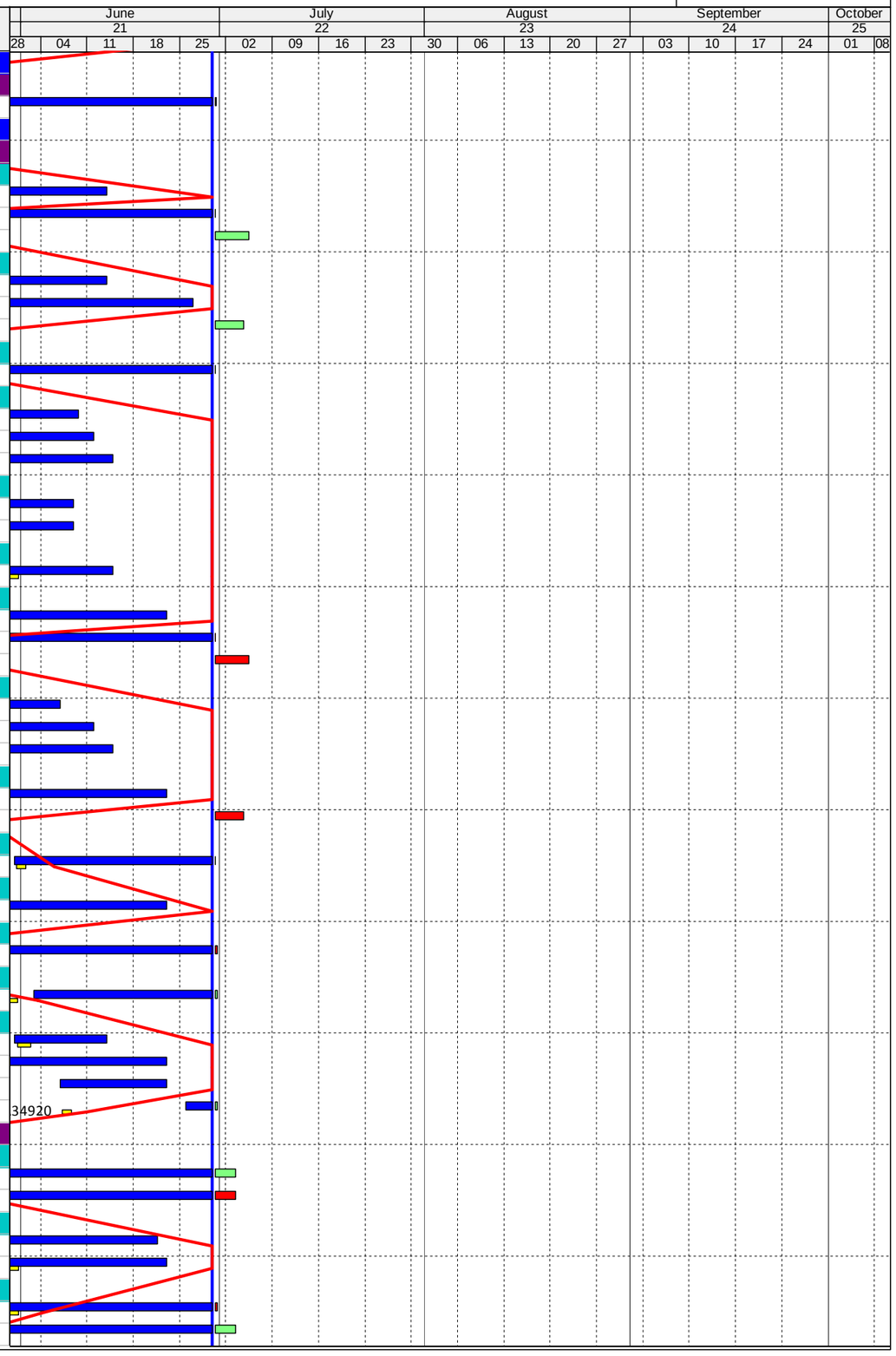
Layout Name: 01) CMWP - 3MRP (Template)
File Name: Three Months Rolling Programme 3MRP - Mth21 (30 June 2017)

Three Months Rolling Programme (3MRP) - Mth 21 - 30 June 2017

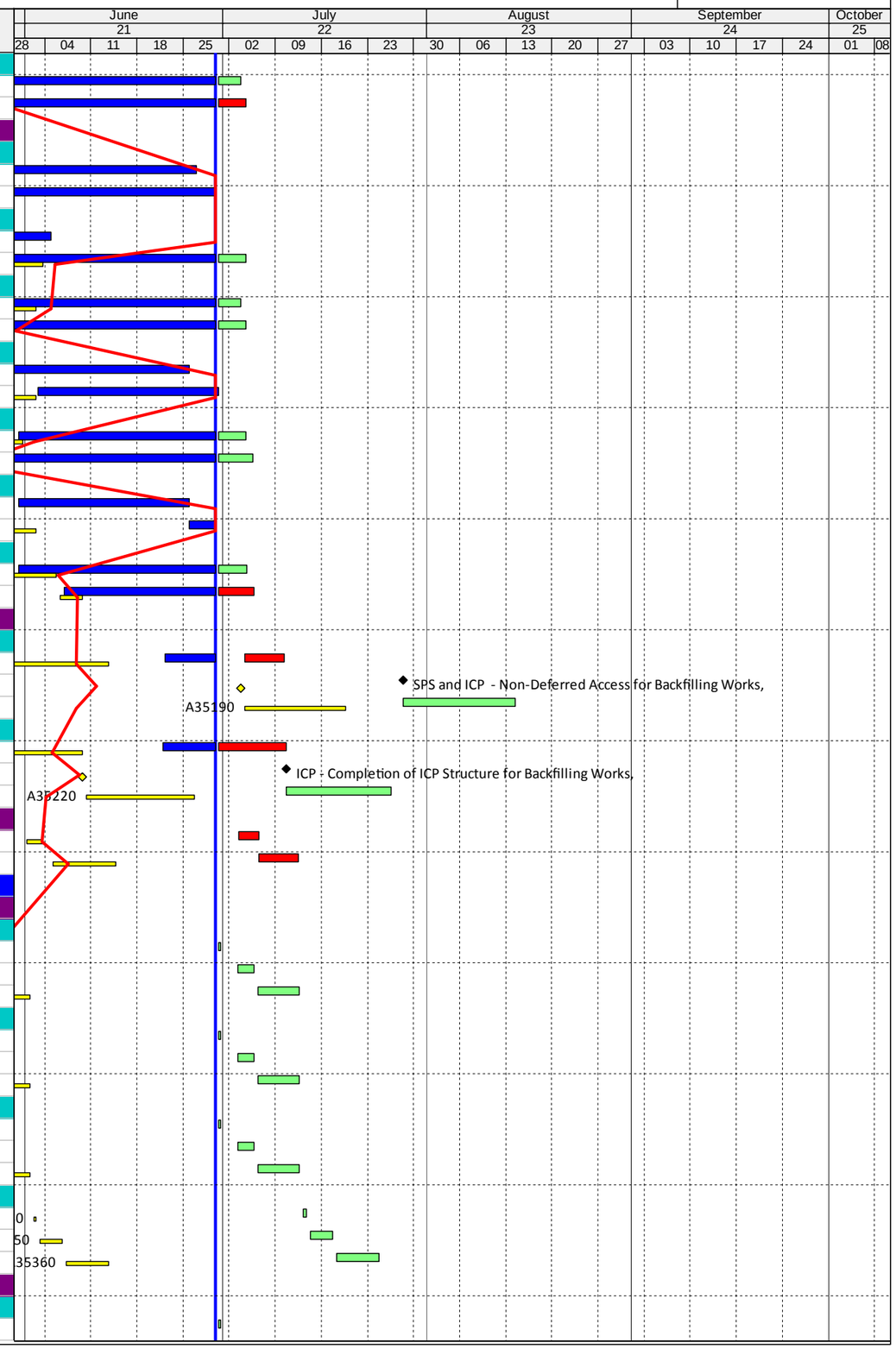
Activity ID	Activity Name	CMWP Dur.	CMWP - R0.D5 Start	CMWP -R0.D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	Comments / Mitigating Measures
Stage 2B										
Install waling and Strut at +1.5mPD for Sheet Pile Type A1										
A32880	Portion B10 - Install waling and Strut @ +1.5mPD	2	01-Mar-17	02-Mar-17	01-Mar-17	30-Jun-17	100%	75%	-96	
Stage 3										
B1 Slab Construction (Phase 3) - Construct B2/F to B1/F Cols, Walls & B1 Slab and Remove Struts										
Portion A16										
A34340	Portion A6 - Removal of Lateral Support	2	12-May-17	13-May-17	12-May-17	14-Jun-17 A	100%	100%	-25	
A34350	Portion A16 - Columns & Walls Construction (Deffered A	4	10-Apr-17	13-Apr-17	10-Apr-17	30-Jun-17	100%	90%	-60	
A34360	Portion A16 - Construct B1 Slab (Deffered Area)	3	20-May-17	24-May-17	30-Jun-17	05-Jul-17	100%	0%	-34	
Portion B18										
A34390	Portion B6 - Removal of Lateral Support	2	12-May-17	13-May-17	12-May-17	14-Jun-17 A	100%	100%	-25	
A34400	Portion B18 - Columns & Walls Construction (Deffered A	3	18-Apr-17	20-Apr-17	17-Apr-17	27-Jun-17 A	100%	100%	-54	
A34410	Portion B18 - Construct B1 Slab (Deffered Area)	3	20-May-17	24-May-17	30-Jun-17	04-Jul-17	100%	0%	-34	
Portion A17										
A34440	Portion A7- Removal of Lateral Support	2	15-May-17	16-May-17	15-May-17	30-Jun-17	100%	80%	-37	
Portion B19										
A34470	Portion B7 - Removal of Lateral Support	2	15-May-17	16-May-17	15-May-17	09-Jun-17 A	100%	100%	-20	
A34480	Portion B19 - Columns & Walls Construction (Deffered A	3	02-May-17	05-May-17	02-May-17	12-Jun-17 A	100%	100%	-30	
A34490	Portion B19 - Construct B1 Slab (Deffered Area)	3	20-May-17	24-May-17	20-May-17	15-Jun-17 A	100%	100%	-18	
Portion A18										
A34520	Portion A8 - Removal of Lateral Support	2	10-Apr-17	11-Apr-17	10-Apr-17	09-Jun-17 A	100%	100%	-44	additional waterproofin
A34540	Portion A18 - Construct B1 Slab (Deferred Area)	3	20-May-17	23-May-17	22-May-17	09-Jun-17 A	100%	100%	-13	
Portion B20										
A34570	Portion B8 - Removal of Lateral Support	2	29-May-17	31-May-17	29-May-17	15-Jun-17 A	100%	100%	-12	
Portion B21										
A34600	Portion B9 - Removal of Lateral Support	2	15-May-17	16-May-17	15-May-17	23-Jun-17 A	100%	100%	-31	
A34610	Portion B21 - Columns & Walls Construction (Deffered A	3	28-Apr-17	02-May-17	28-Apr-17	30-Jun-17	100%	95%	-48	
A34620	Portion B21 - Construct B1 Slab (Deffered Area)	3	20-May-17	24-May-17	30-Jun-17	05-Jul-17	100%	0%	-34	
Portion B22										
A34650	Portion B10 - Removal of Lateral Support	2	08-May-17	09-May-17	08-May-17	07-Jun-17 A	100%	100%	-23	
A34660	Portion B22 - Columns & Walls Construction (Deferred A	3	09-May-17	11-May-17	09-May-17	12-Jun-17 A	100%	100%	-25	
A34670	Portion B22 - Construct B1 Slab (Deffered Area)	3	22-May-17	24-May-17	22-May-17	15-Jun-17 A	100%	100%	-17	
Portion A19										
A34700	Portion A9 - Removal of Lateral Support	2	12-May-17	13-May-17	12-May-17	23-Jun-17 A	100%	100%	-33	
A34720	Portion A19 - Construct B1 Slab (Deffered Area)	3	20-May-17	23-May-17	30-Jun-17	04-Jul-17	100%	0%	-34	
Portion B23										
A34750	Portion B11 - Removal of Lateral Support	2	31-May-17	01-Jun-17	31-May-17	30-Jun-17	100%	100%	-24	
Portion A20										
A34780	Portion A10 - Removal of Lateral Support	2	15-May-17	16-May-17	15-May-17	23-Jun-17 A	100%	100%	-32	
Portion A21										
A34830	Portion A21 - Construct B1 Slab (Deffered Area)	3	11-Apr-17	13-Apr-17	11-Apr-17	30-Jun-17	100%	66.67%	-61	
Portion B24										
A34860	Portion B12 - Removal of Lateral Support	2	29-May-17	31-May-17	03-Jun-17	30-Jun-17	100%	50%	-26	
Portion B25										
A34890	Portion B13 - Removal of Lateral Support	2	31-May-17	02-Jun-17	31-May-17	14-Jun-17 A	100%	100%	-9	
A34900	Portion B25 - Columns & Walls Construction (Deffered A	3	22-May-17	24-May-17	22-May-17	23-Jun-17 A	100%	100%	-24	
A34910	Portion B25 - Construct B1 Slab (Deffered Area - Stage 1)	3	25-May-17	27-May-17	07-Jun-17	23-Jun-17 A	100%	100%	-21	
A34920	Portion B13 - Removal of Lateral Support	2	07-Jun-17	08-Jun-17	26-Jun-17	30-Jun-17	100%	50%	-19	
Roof Slab (Portion A) - Construct B1/F to Roof Lvl Cols, Walls & Roof Slab										
Portion A23										
A34950	Portion A23 - Columns & Walls Construction	13	20-Feb-17	06-Mar-17	20-Feb-17	03-Jul-17	100%	90%	-93	
A34960	Portion A23 - Construct Roof Slab	7	16-May-17	23-May-17	16-May-17	03-Jul-17	100%	80%	-32	
Portion A24										
A34970	Portion A24 - Columns & Walls Construction	7	16-May-17	23-May-17	16-May-17	21-Jun-17 A	100%	100%	-24	
A34980	Portion A24 - Construct Roof Slab	4	26-May-17	31-May-17	22-May-17	23-Jun-17 A	100%	100%	-19	
Portion A25										
A35000	Portion A25 - Construct Roof Slab	4	26-May-17	31-May-17	22-May-17	30-Jun-17	100%	80%	-26	
A34990	Portion A25 - Columns & Walls Construction	7	10-May-17	17-May-17	10-May-17	03-Jul-17	100%	80%	-37	



Data Date: 30-Jun-17
Layout Name: 01) CMWP - 3MRP (Template)
File Name: Three Months Rolling Programme 3MRP - Mth21 (30 June 2017)

Three Months Rolling Programme (3MRP) - Mth 21 - 30 June 2017

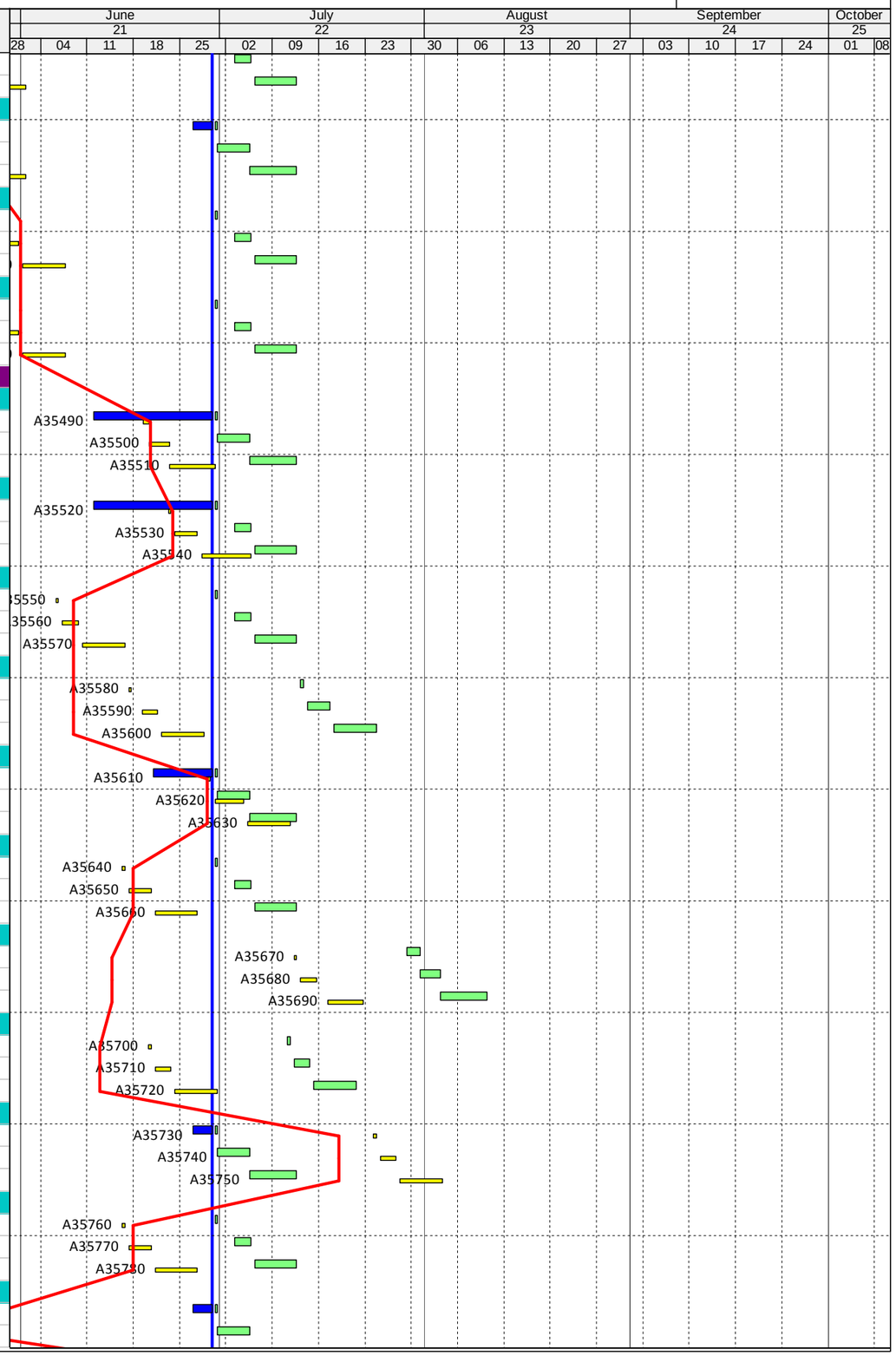
Activity ID	Activity Name	CMWP Dur.	CMWP - R0.D5 Start	CMWP -R0.D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	Comments / Mitigating Measures
Portion A26										
A35010	Portion A26 - Columns & Walls Construction	4	10-May-17	13-May-17	10-May-17	03-Jul-17	100%	50%	-41	
A35020	Portion A26 - Construct Roof Slab	3	24-May-17	26-May-17	22-May-17	04-Jul-17	100%	15%	-31	
Roof Slab (Portion B) - Construct B1/F to Roof Lvl Cols, Walls & Roof Slab										
Portion B26										
A35030	Portion B26 - Columns & Walls Construction	9	24-Apr-17	05-May-17	24-Apr-17	27-Jun-17 A	100%	100%	-43	
A35040	Portion B26 - Construct Roof Slab	6	10-May-17	16-May-17	10-May-17	30-Jun-17 A	100%	100%	-37	
Portion B27										
A35050	Portion B27 - Columns & Walls Construction	9	15-May-17	24-May-17	15-May-17	05-Jun-17 A	100%	100%	-8	
A35060	Portion B27 - Construct Roof Slab	6	27-May-17	03-Jun-17	22-May-17	04-Jul-17	100%	60%	-24	
Portion B28										
A35080	Portion B28 - Construct Roof Slab	5	27-May-17	02-Jun-17	22-May-17	03-Jul-17	100%	60%	-25	
A35070	Portion B28 - Columns & Walls Construction	6	20-May-17	26-May-17	15-May-17	04-Jul-17	100%	60%	-30	
Portion B29										
A35090	Portion B29 - Columns & Walls Construction	6	22-May-17	27-May-17	22-May-17	26-Jun-17 A	100%	100%	-23	
A35100	Portion B29 - Construct Roof Slab	4	29-May-17	02-Jun-17	03-Jun-17	30-Jun-17 A	100%	100%	-23	
Portion B30										
A35120	Portion B30 - Construct Roof Slab	4	26-May-17	31-May-17	31-May-17	04-Jul-17	100%	35%	-28	
A35110	Portion B30 - Columns & Walls Construction	6	15-May-17	20-May-17	15-May-17	05-Jul-17	100%	35%	-37	
Portion B31										
A35130	Portion B31 - Columns & Walls Construction	6	22-May-17	27-May-17	31-May-17	26-Jun-17 A	100%	100%	-23	
A35140	Portion B31 - Construct Roof Slab	4	29-May-17	02-Jun-17	26-Jun-17	30-Jun-17 A	100%	100%	-23	
Portion B32										
A35150	Portion B32 - Columns & Walls Construction	6	29-May-17	05-Jun-17	31-May-17	04-Jul-17	100%	50%	-24	
A35160	Portion B32 - Construct Roof Slab	4	06-Jun-17	09-Jun-17	07-Jun-17	05-Jul-17	100%	0%	-21	
Miscellaneous Structure Above Grd Slab / Roof Deck										
Gridline 1a - 5a /Fa-Ma										
A35170	Construct Vent Ducts / Staircases / Lift Shaft on Upper Rc	16	25-May-17	13-Jun-17	22-Jun-17	10-Jul-17	100%	70%	-21	
A35180	SPS and ICP - Non-Deferred Access for Backfilling Works	0		03-Jul-17		28-Jul-17	0%	0%	-18	
A35190	Diversion of Traffic and Hoarding modification	14	04-Jul-17	19-Jul-17	28-Jul-17	14-Aug-17	0%	0%	-21	
Gridline 5a - 9a /Da-Ma										
A35200	Construct Vent Ducts & Staircases	16	22-May-17	09-Jun-17	22-Jun-17	10-Jul-17	100%	40%	-25	
A35210	ICP - Completion of ICP Structure for Backfilling Works	0		09-Jun-17		10-Jul-17	100%	0%	-21	
A35220	Diversion of Traffic and Hoarding modification	14	10-Jun-17	26-Jun-17	10-Jul-17	26-Jul-17	100%	0%	-26	
Dismantle TC 5 & Infill openings										
A35230	Dismantle Tower Crane TC5	3	01-Jun-17	03-Jun-17	03-Jul-17	06-Jul-17	100%	0%	-26	
A35240	Concrete In-Fill from Roof to B1/slab Openings	9	05-Jun-17	14-Jun-17	06-Jul-17	12-Jul-17	100%	0%	-22	
ICP - ABWF Works										
B2 Slab Construction (Phase 1)										
Portion A12 - B2 Slab (200 thk) @ Lvl -0.05mPD										
A35250	Portion A12 - Preparation Works	1	20-May-17	20-May-17	30-Jun-17	30-Jun-17	100%	0%	-34	
A35260	Portion A12 - Granular Fill on Top of Pilecaps & Bottom s	3	22-May-17	24-May-17	03-Jul-17	05-Jul-17	100%	0%	-34	
A35270	Portion A12 - Construct B2 Slab	6	25-May-17	01-Jun-17	06-Jul-17	12-Jul-17	100%	0%	-34	
Portion A13 - B2 Slab (200 thk) @ Lvl -0.05mPD										
A35280	Portion A13 - Preparation Works	1	20-May-17	20-May-17	30-Jun-17	30-Jun-17	100%	0%	-34	
A35290	Portion A13 - Granular Fill on Top of Pilecaps & Bottom s	3	22-May-17	24-May-17	03-Jul-17	05-Jul-17	100%	0%	-34	
A35300	Portion A13 - Construct B2 Slab	6	25-May-17	01-Jun-17	06-Jul-17	12-Jul-17	100%	0%	-34	
Portion B14 - B2 Slab (200 thk) @ Lvl -0.05mPD										
A35310	Portion B14 - Preparation Works	1	20-May-17	20-May-17	30-Jun-17	30-Jun-17	100%	0%	-34	
A35320	Portion B14 - Granular Fill on Top of Pilecaps & Bottom s	3	22-May-17	24-May-17	03-Jul-17	05-Jul-17	100%	0%	-34	
A35330	Portion B14 - Construct B2 Slab	6	25-May-17	01-Jun-17	06-Jul-17	12-Jul-17	100%	0%	-34	
Portion B15 - B2 Slab (200 thk) @ Lvl -0.05mPD										
A35340	Portion B15 - Preparation Works	1	02-Jun-17	02-Jun-17	13-Jul-17	13-Jul-17	100%	0%	-34	
A35350	Portion B15 - Granular Fill on Top of Pilecaps & Bottom s	3	03-Jun-17	06-Jun-17	14-Jul-17	17-Jul-17	100%	0%	-34	
A35360	Portion B15 - Construct B2 Slab	6	07-Jun-17	13-Jun-17	18-Jul-17	24-Jul-17	100%	0%	-34	
B2 Slab Construction (Phase 2)										
Portion A14 - B2 Slab (200 thk) @ Lvl -0.05mPD										
A35370	Portion A14 - Preparation Works	1	20-May-17	20-May-17	30-Jun-17	30-Jun-17	100%	0%	-34	



Data Date: 30-Jun-17
Layout Name: 01) CMWP - 3MRP (Template)
File Name: Three Months Rolling Programme 3MRP - Mth21 (30 June 2017)

Three Months Rolling Programme (3MRP) - Mth 21 - 30 June 2017

Activity ID	Activity Name	CMWP Dur.	CMWP - R0.D5 Start	CMWP -R0.D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	Comments / Mitigating Measures
A35380	Portion A14 - Granular Fill on Top of Pilecaps & Bottom s	3	22-May-17	24-May-17	03-Jul-17	05-Jul-17	100%	0%	-34	
A35390	Portion A14 - Construct B2 Slab	6	25-May-17	01-Jun-17	06-Jul-17	12-Jul-17	100%	0%	-34	
Portion A15 - B2 Slab (200 thk) @ Lvl -0.05mPD										
A35400	Portion A15 - Preparation Works	1	20-May-17	20-May-17	27-Jun-17	30-Jun-17	100%	10%	-34	
A35410	Portion A15 - Granular Fill on Top of Pilecaps & Bottom s	3	22-May-17	24-May-17	30-Jun-17	05-Jul-17	100%	0%	-34	
A35420	Portion A15 - Construct B2 Slab	6	25-May-17	01-Jun-17	05-Jul-17	12-Jul-17	100%	0%	-34	
Portion B16 - B2 Slab (200 thk) @ Lvl -0.05mPD										
A35430	Portion B16 - Preparation Works	1	26-May-17	26-May-17	30-Jun-17	30-Jun-17	100%	0%	-29	
A35440	Portion B16 - Granular Fill on Top of Pilecaps & Bottom s	3	27-May-17	31-May-17	03-Jul-17	05-Jul-17	100%	0%	-29	
A35450	Portion B16 - Construct B2 Slab	6	01-Jun-17	07-Jun-17	06-Jul-17	12-Jul-17	100%	0%	-29	
Portion B17 - B2 Slab (200 thk) @ Lvl -0.05mPD										
A35460	Portion B17 - Preparation Works	1	26-May-17	26-May-17	30-Jun-17	30-Jun-17	100%	0%	-29	
A35470	Portion B17 - Granular Fill on Top of Pilecaps & Bottom s	3	27-May-17	31-May-17	03-Jul-17	05-Jul-17	100%	0%	-29	
A35480	Portion B17 - Construct B2 Slab	6	01-Jun-17	07-Jun-17	06-Jul-17	12-Jul-17	100%	0%	-29	
B2 Slab Construction (Phase 3)										
Portion A16 - B2 Slab (200 thk) @ Lvl -0.05mPD										
A35490	Portion A16 - Preparation Works	1	19-Jun-17	20-Jun-17	12-Jun-17	30-Jun-17	100%	15%	-9	
A35500	Portion A16 - Granular Fill on Top of Pilecaps & Bottom s	3	20-Jun-17	23-Jun-17	30-Jun-17	05-Jul-17	100%	0%	-9	
A35510	Portion A16 - Construct B2 Slab	6	23-Jun-17	30-Jun-17	05-Jul-17	12-Jul-17	93.33%	0%	-9	
Portion B18 - B2 Slab (200 thk) @ Lvl -0.05mPD										
A35520	Portion B18 - Preparation Works	1	23-Jun-17	23-Jun-17	12-Jun-17	30-Jun-17	100%	0%	-6	
A35530	Portion B18 - Granular Fill on Top of Pilecaps & Bottom s	3	24-Jun-17	27-Jun-17	03-Jul-17	05-Jul-17	100%	0%	-6	
A35540	Portion B18 - Construct B2 Slab	6	28-Jun-17	05-Jul-17	06-Jul-17	12-Jul-17	33.33%	0%	-6	
Portion A17 - B2 Slab (200 thk) @ Lvl -0.05mPD										
A35550	Portion A17 - Preparation Works	1	06-Jun-17	06-Jun-17	30-Jun-17	30-Jun-17	100%	0%	-21	
A35560	Portion A17 - Granular Fill on Top of Pilecaps & Bottom s	3	07-Jun-17	09-Jun-17	03-Jul-17	05-Jul-17	100%	0%	-21	
A35570	Portion A17 - Construct B2 Slab	6	10-Jun-17	16-Jun-17	06-Jul-17	12-Jul-17	100%	0%	-21	
Portion B19 - B2 Slab (200 thk) @ Lvl -0.05mPD										
A35580	Portion B19 - Preparation Works	1	17-Jun-17	17-Jun-17	13-Jul-17	13-Jul-17	100%	0%	-21	
A35590	Portion B19 - Granular Fill on Top of Pilecaps & Bottom s	3	19-Jun-17	21-Jun-17	14-Jul-17	17-Jul-17	100%	0%	-21	
A35600	Portion B19 - Construct B2 Slab	6	22-Jun-17	28-Jun-17	18-Jul-17	24-Jul-17	100%	0%	-21	
Portion A18 - B2 Slab (200 thk) @ Lvl -0.05mPD										
A35610	Portion A18 - Preparation Works	1	29-Jun-17	29-Jun-17	21-Jun-17	30-Jun-17	100%	15%	-1	
A35620	Portion A18 - Granular Fill on Top of Pilecaps & Bottom s	3	30-Jun-17	04-Jul-17	30-Jun-17	05-Jul-17	0%	0%	-1	
A35630	Portion A18 - Construct B2 Slab	6	05-Jul-17	11-Jul-17	05-Jul-17	12-Jul-17	0%	0%	-1	
Portion B20 - B2 Slab (200 thk) @ Lvl -0.05mPD										
A35640	Portion B20 - Preparation Works	1	16-Jun-17	16-Jun-17	30-Jun-17	30-Jun-17	100%	0%	-12	
A35650	Portion B20 - Granular Fill on Top of Pilecaps & Bottom s	3	17-Jun-17	20-Jun-17	03-Jul-17	05-Jul-17	100%	0%	-12	
A35660	Portion B20 - Construct B2 Slab	6	21-Jun-17	27-Jun-17	06-Jul-17	12-Jul-17	100%	0%	-12	
Portion B21 - B2 Slab (200 thk) @ Lvl -0.05mPD										
A35670	Portion B21 - Preparation Works	1	12-Jul-17	12-Jul-17	29-Jul-17	31-Jul-17	0%	0%	-15	
A35680	Portion B21 - Granular Fill on Top of Pilecaps & Bottom s	3	13-Jul-17	15-Jul-17	31-Jul-17	03-Aug-17	0%	0%	-15	
A35690	Portion B21 - Construct B2 Slab	6	17-Jul-17	22-Jul-17	03-Aug-17	10-Aug-17	0%	0%	-15	
Portion B22 - B2 Slab (200 thk) @ Lvl -0.05mPD										
A35700	Portion B22 - Preparation Works	1	20-Jun-17	20-Jun-17	11-Jul-17	11-Jul-17	100%	0%	-17	
A35710	Portion B22 - Granular Fill on Top of Pilecaps & Bottom s	3	21-Jun-17	23-Jun-17	12-Jul-17	14-Jul-17	100%	0%	-17	
A35720	Portion B22 - Construct B2 Slab	6	24-Jun-17	30-Jun-17	15-Jul-17	21-Jul-17	83.33%	0%	-17	
Portion A19 - B2 Slab (200 thk) @ Lvl -0.05mPD										
A35730	Portion A19 - Preparation Works	1	24-Jul-17	24-Jul-17	27-Jun-17	30-Jun-17	0%	10%	19	
A35740	Portion A19 - Granular Fill on Top of Pilecaps & Bottom s	3	25-Jul-17	27-Jul-17	30-Jun-17	05-Jul-17	0%	0%	19	
A35750	Portion A19 - Construct B2 Slab	6	28-Jul-17	03-Aug-17	05-Jul-17	12-Jul-17	0%	0%	19	
Portion B23 - B2 Slab (200 thk) @ Lvl -0.05mPD										
A35760	Portion B23 - Preparation Works	1	16-Jun-17	16-Jun-17	30-Jun-17	30-Jun-17	100%	0%	-12	
A35770	Portion B23 - Granular Fill on Top of Pilecaps & Bottom s	3	17-Jun-17	20-Jun-17	03-Jul-17	05-Jul-17	100%	0%	-12	
A35780	Portion B23 - Construct B2 Slab	6	21-Jun-17	27-Jun-17	06-Jul-17	12-Jul-17	100%	0%	-12	
Portion A20 - B2 Slab (200 thk) @ Lvl -0.05mPD										
A35790	Portion A20 - Preparation Works	1	20-May-17	20-May-17	27-Jun-17	30-Jun-17	100%	10%	-34	
A35800	Portion A20 - Granular Fill on Top of Pilecaps & Bottom s	3	22-May-17	24-May-17	30-Jun-17	05-Jul-17	100%	0%	-34	



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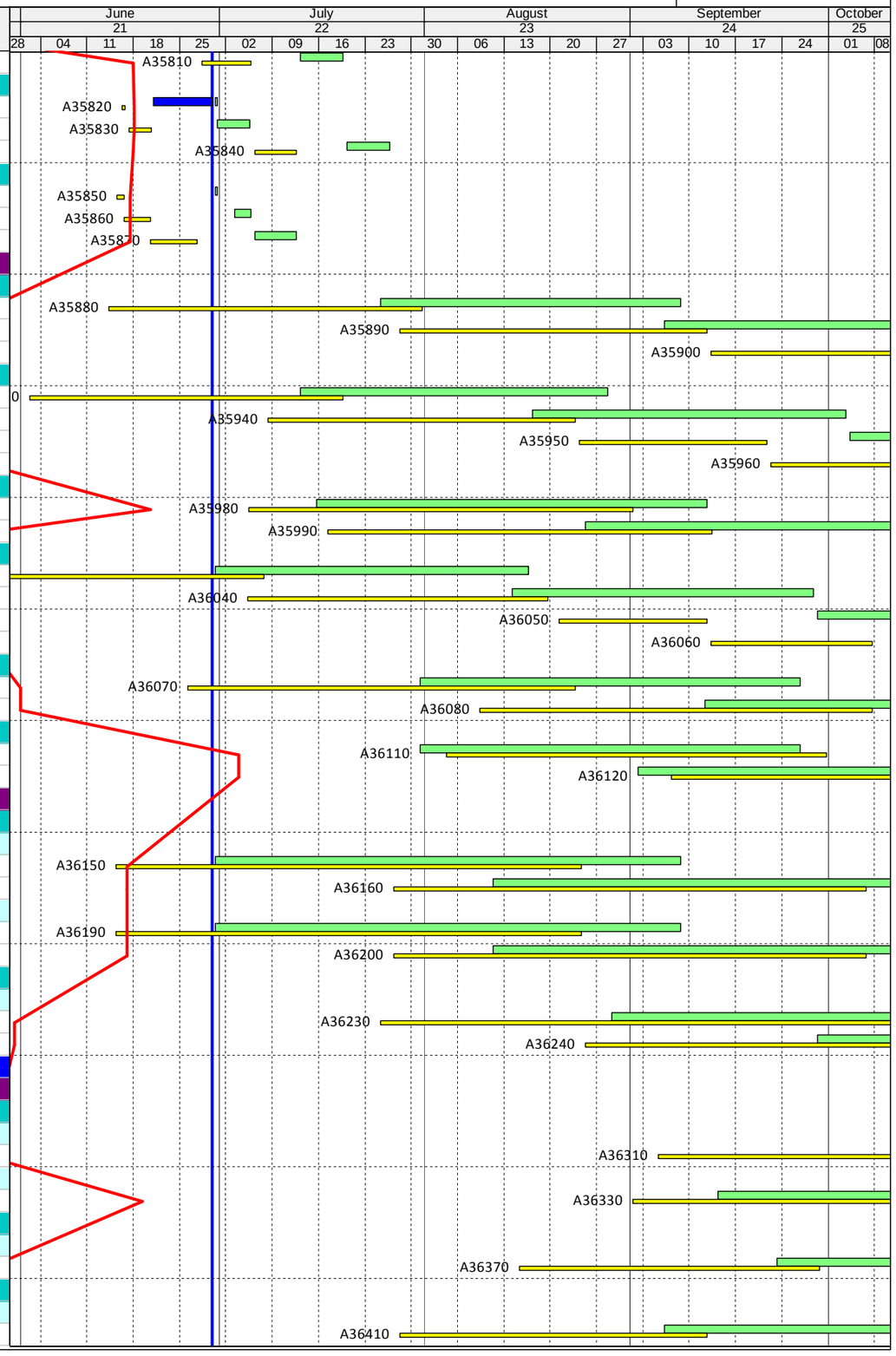
File Name: Three Months Rolling Programme 3MRP - Mth21 (30 June 2017)

Three Months Rolling Programme (3MRP) - Mth 21 - 30 June 2017

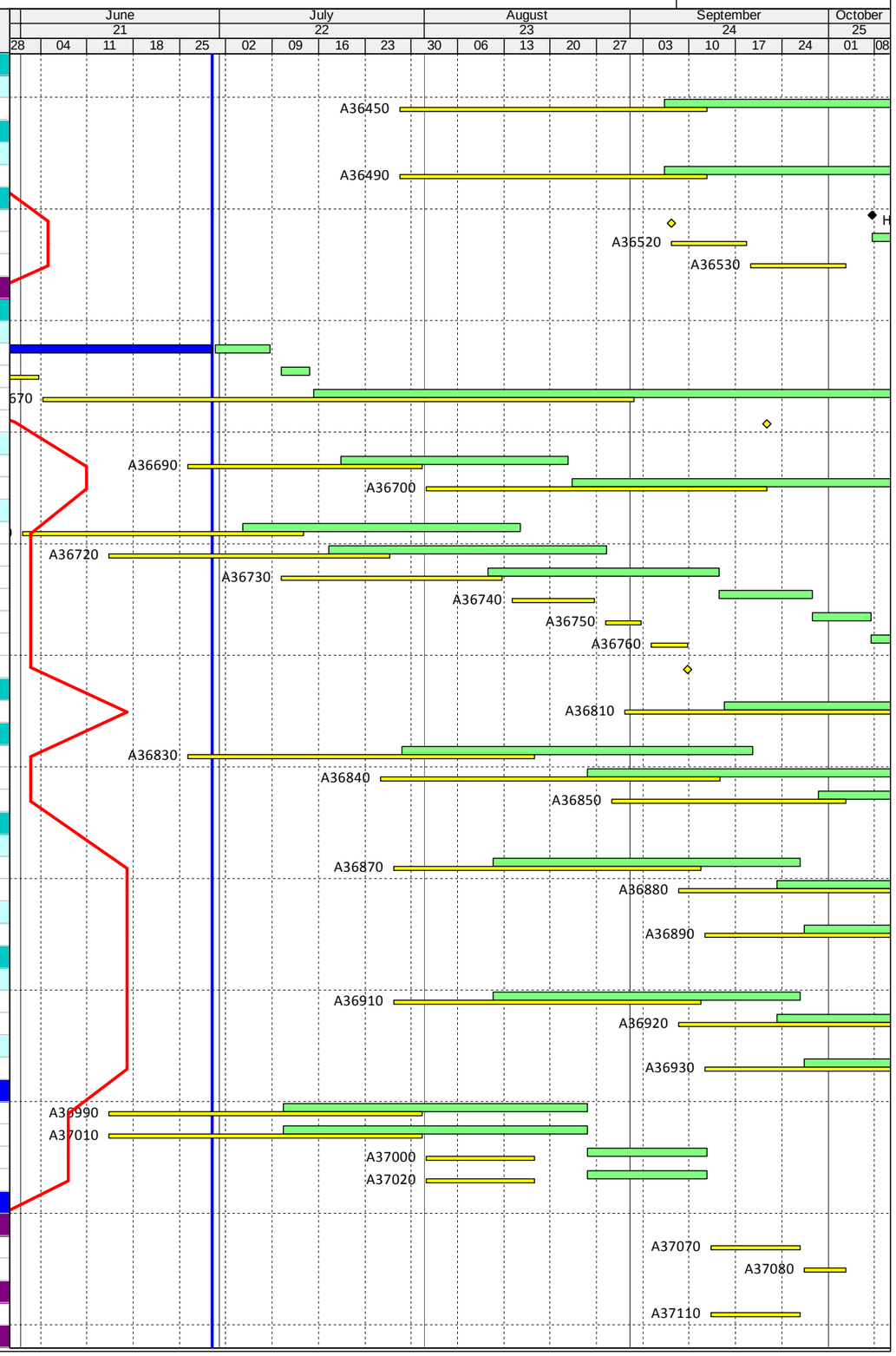
Activity ID	Activity Name	CMWP Dur.	CMWP - R0.D5 Start	CMWP -R0.D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	Comments / Mitigating Measures
A35810	Portion A20 - Construct B2 Slab	6	28-Jun-17	05-Jul-17	13-Jul-17	19-Jul-17	33.33%	0%	-12	
Portion A21 - B2 Slab (200 thk) @ Lvl -0.05mPD										
A35820	Portion A21 - Preparation Works	1	16-Jun-17	16-Jun-17	21-Jun-17	30-Jun-17	100%	15%	-12	
A35830	Portion A21 - Granular Fill on Top of Pilecaps & Bottom s	3	17-Jun-17	20-Jun-17	30-Jun-17	05-Jul-17	100%	0%	-12	
A35840	Portion A21 - Construct B2 Slab	6	06-Jul-17	12-Jul-17	20-Jul-17	26-Jul-17	0%	0%	-12	
Portion B24 - B2 Slab (200 thk) @ Lvl -0.05mPD										
A35850	Portion B24 - Preparation Works	1	15-Jun-17	16-Jun-17	30-Jun-17	30-Jun-17	100%	0%	-12	
A35860	Portion B24 - Granular Fill on Top of Pilecaps & Bottom s	3	16-Jun-17	20-Jun-17	03-Jul-17	05-Jul-17	100%	0%	-12	
A35870	Portion B24 - Construct B2 Slab	6	20-Jun-17	27-Jun-17	06-Jul-17	12-Jul-17	100%	0%	-12	
B2/F to B1/F ABWF and Fitout Works										
Portion A (Phase 1)										
A35880	ABWF Works - Internal Ceiling & Wall Plastering (Wet Tr	40	14-Jun-17	31-Jul-17	25-Jul-17	08-Sep-17	35%	0%	-34	
A35890	Fitout Works - Internal Ceiling & Wall Painting	40	28-Jul-17	12-Sep-17	06-Sep-17	24-Oct-17	0%	0%	-34	
A35900	Fitout Works - Install bituminous road base for driveway	25	13-Sep-17	13-Oct-17	25-Oct-17	23-Nov-17	0%	0%	-34	
Portion A (Phase 2)										
A35930	ABWF Works - Internal Ceiling & Wall Plastering (Wet Tr	40	02-Jun-17	19-Jul-17	13-Jul-17	28-Aug-17	60%	0%	-34	
A35940	Fitout Works - Internal Ceiling & Wall Painting	40	08-Jul-17	23-Aug-17	17-Aug-17	03-Oct-17	0%	0%	-34	
A35950	Fitout Works - Install bituminous road base for driveway	25	24-Aug-17	21-Sep-17	04-Oct-17	03-Nov-17	0%	0%	-34	
A35960	Fitout Works - Install doors, grated drains, MOE steps &	20	22-Sep-17	17-Oct-17	04-Nov-17	27-Nov-17	0%	0%	-34	
Portion A (Phase 3)										
A35980	ABWF Works - Internal Ceiling & Wall Plastering (Wet Tr	50	05-Jul-17	01-Sep-17	15-Jul-17	12-Sep-17	0%	0%	-9	
A35990	Fitout Works - Internal Ceiling & Wall Painting	50	17-Jul-17	13-Sep-17	25-Aug-17	24-Oct-17	0%	0%	-34	
Portion B (Phase 1)										
A36030	ABWF Works - Internal Ceiling & Wall Plastering (Wet Tr	40	20-May-17	07-Jul-17	30-Jun-17	16-Aug-17	85%	0%	-34	
A36040	Fitout Works - Internal Ceiling & Wall Painting	40	05-Jul-17	19-Aug-17	14-Aug-17	28-Sep-17	0%	0%	-34	
A36050	Fitout Works - Install bituminous road base for driveway	20	21-Aug-17	12-Sep-17	29-Sep-17	24-Oct-17	0%	0%	-34	
A36060	Fitout Works - Install doors, grated drains, MOE steps &	20	13-Sep-17	07-Oct-17	25-Oct-17	17-Nov-17	0%	0%	-34	
Portion B (Phase 2)										
A36070	ABWF Works - Internal Ceiling & Wall Plastering (Wet Tr	50	26-Jun-17	23-Aug-17	31-Jul-17	26-Sep-17	8%	0%	-29	
A36080	Fitout Works - Internal Ceiling & Wall Painting	50	09-Aug-17	07-Oct-17	12-Sep-17	11-Nov-17	0%	0%	-29	
Portion B (Phase 3)										
A36110	ABWF Works - Internal Ceiling & Wall Plastering (Wet Tr	50	04-Aug-17	30-Sep-17	31-Jul-17	26-Sep-17	0%	0%	4	
A36120	Fitout Works - Internal Ceiling & Wall Painting	50	07-Sep-17	07-Nov-17	02-Sep-17	02-Nov-17	0%	0%	4	
B1/F to Roof ABWF and Fitout Works										
Portion A										
Phase 1 & 2										
A36150	ABWF Works - Internal Ceiling & Wall Plastering (Wet Tr	60	15-Jun-17	24-Aug-17	30-Jun-17	08-Sep-17	21.67%	0%	-13	
A36160	Fitout Works - Internal Ceiling & Wall Painting	60	27-Jul-17	06-Oct-17	11-Aug-17	21-Oct-17	0%	0%	-13	
Phase 3										
A36190	ABWF Works - Internal Ceiling & Wall Plastering (Wet Tr	60	15-Jun-17	24-Aug-17	30-Jun-17	08-Sep-17	21.67%	0%	-13	
A36200	Fitout Works - Internal Ceiling & Wall Painting	60	27-Jul-17	06-Oct-17	11-Aug-17	21-Oct-17	0%	0%	-13	
Portion B										
Phase 1 & 2										
A36230	ABWF Works - Internal Ceiling & Wall Plastering (Wet Tr	75	25-Jul-17	21-Oct-17	29-Aug-17	27-Nov-17	0%	0%	-30	
A36240	Fitout Works - Internal Ceiling & Wall Painting	75	25-Aug-17	23-Nov-17	29-Sep-17	30-Dec-17	0%	0%	-30	
ICP - Building Services										
B2/F level										
Electrical										
Phase 1 & 2										
A36310	ICP (Electrical) - B2/F Building Services (1st Fix)	30	05-Sep-17	11-Oct-17	17-Oct-17	21-Nov-17	0%	0%	-34	
Phase 3										
A36330	ICP (Electrical) - B2/F Building Services (1st Fix)	40	01-Sep-17	20-Oct-17	14-Sep-17	02-Nov-17	0%	0%	-11	
Mechanical										
Zone 2										
A36370	ICP (MVAC) - B2/F Building Services (1st Fix)	40	15-Aug-17	29-Sep-17	23-Sep-17	11-Nov-17	0%	0%	-34	
Plumbing & Drainage										
Zone 2										
A36410	ICP (P&D) - B2/F Building Services (1st Fix)	40	28-Jul-17	12-Sep-17	06-Sep-17	24-Oct-17	0%	0%	-34	



Data Date: 30-Jun-17
Layout Name: 01) CMWP - 3MRP (Template)
File Name: Three Months Rolling Programme 3MRP - Mth21 (30 June 2017)

Three Months Rolling Programme (3MRP) - Mth 21 - 30 June 2017

Activity ID	Activity Name	CMWP Dur.	CMWP - R0.D5 Start	CMWP -R0.D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	Comments / Mitigating Measures
Fire Services (Wet)										
Zone 2										
A36450	ICP (FS-Wet) - B2/F Building Services (1st Fix)	40	28-Jul-17	12-Sep-17	06-Sep-17	24-Oct-17	0%	0%	-34	
Fire Services (Dry)										
Zone 2										
A36490	ICP (FS-Dry) - B2/F Building Services (1st Fix)	40	28-Jul-17	12-Sep-17	06-Sep-17	24-Oct-17	0%	0%	-34	
Lift Installation										
A36510	Handover of Completed Lift Shaft (Lift 1 & Lift 2)	0	07-Sep-17		07-Oct-17*		0%	0%	-25	
A36520	ICP (Lift 1 & 2) - Rail & Door Installation	10	07-Sep-17	18-Sep-17	07-Oct-17	19-Oct-17	0%	0%	-25	
A36530	ICP (Lift 1 & 2) - Machine Room Installation	12	19-Sep-17	03-Oct-17	19-Oct-17	03-Nov-17	0%	0%	-25	
B1/F Level										
CLP Works Leading to Energization / Power-On										
Electrical (B1/F) - Transformer Room (B128)										
A36650	CLP Transformer - Builders Works & BS Installation	16	10-Apr-17	02-May-17	10-Apr-17	08-Jul-17	100%	56.25%	-55	
A36660	Inspection for Handover to CLP	5	29-May-17	03-Jun-17	10-Jul-17	14-Jul-17	100%	0%	-34	
A36670	CLP Transformer Installation Works	90	04-Jun-17	01-Sep-17	15-Jul-17	12-Oct-17	28.89%	0%	-41	
A36680	CLP Power-On & Energization	0		21-Sep-17		30-Oct-17	0%	0%	-30	
Electrical (B1/F) - LV Switch room (B126)										
A36690	LV Switch room - Builders Works & BS Installation	30	26-Jun-17	31-Jul-17	19-Jul-17	22-Aug-17	13.33%	0%	-19	
A36700	LV Switch room - Install LV Switch Board & Testing	45	01-Aug-17	21-Sep-17	23-Aug-17	16-Oct-17	0%	0%	-19	
External Electrical Power and Lead-In Cable Ducts										
A36710	Construct (4x) 2.5x2.2x1.2m Electrical Draw Pits	36	01-Jun-17	13-Jul-17	04-Jul-17	15-Aug-17	69.44%	0%	-28	
A36720	Install 12x150dia @ 2-Layers GI Ducts	36	14-Jun-17	26-Jul-17	17-Jul-17	28-Aug-17	38.89%	0%	-28	
A36730	MV Cable Laying & Testing	30	10-Jul-17	12-Aug-17	10-Aug-17	14-Sep-17	0%	0%	-28	
A36740	MV Cable Termination and Test (by CLP)	12	14-Aug-17	26-Aug-17	14-Sep-17	28-Sep-17	0%	0%	-28	
A36750	Pre-Energization Checked & Testing	6	28-Aug-17	02-Sep-17	28-Sep-17	07-Oct-17	0%	0%	-28	
A36760	MV Syst Energized / Syst Commissioning Acceptance Tes	6	04-Sep-17	09-Sep-17	07-Oct-17	14-Oct-17	0%	0%	-28	
A36770	Power Energization Complete and Ready for Power-On	0		09-Sep-17		14-Oct-17	0%	0%	-28	
Mechanical General										
A36810	ICP (MVAC) - B1/F Building Services (1st Fix)	60	31-Aug-17	11-Nov-17	15-Sep-17	27-Nov-17	0%	0%	-13	
FS Plant Rooms (FS Pump Room and Security Room)										
A36830	FS Rooms - Builders Works & BS Installation	45	26-Jun-17	17-Aug-17	28-Jul-17	19-Sep-17	8.89%	0%	-28	
A36840	FS Rooms - Install Pumps, Equipment & Cabinet	45	25-Jul-17	14-Sep-17	25-Aug-17	19-Oct-17	0%	0%	-28	
A36850	FS Rooms - Install Fresh / Potable Pipeworks & Testing	30	29-Aug-17	03-Oct-17	29-Sep-17	07-Nov-17	0%	0%	-28	
Fire Services (Wet)										
Zone 1										
A36870	ICP (FS-Wet) - B1/F Building Services (1st Fix)	40	27-Jul-17	11-Sep-17	11-Aug-17	26-Sep-17	0%	0%	-13	
A36880	ICP (FS-Wet) - B1/F Building Services (2nd / Final Fix) &	50	08-Sep-17	08-Nov-17	23-Sep-17	23-Nov-17	0%	0%	-13	
Zone 2										
A36890	ICP (FS-Wet) - B1/F Building Services (1st Fix)	50	12-Sep-17	11-Nov-17	27-Sep-17	27-Nov-17	0%	0%	-13	
Fire Services (Dry)										
Zone 1										
A36910	ICP (FS-Dry) - B1/F Building Services (1st Fix)	40	27-Jul-17	11-Sep-17	11-Aug-17	26-Sep-17	0%	0%	-13	
A36920	ICP (FS-Dry) - B1/F Building Services (2nd / Final Fix) & T	50	08-Sep-17	08-Nov-17	23-Sep-17	23-Nov-17	0%	0%	-13	
Zone 2										
A36930	ICP (FS-Dry) - B1/F Building Services (1st Fix)	50	12-Sep-17	11-Nov-17	27-Sep-17	27-Nov-17	0%	0%	-13	
ICP - External Envelope										
A36990	ICP - Install GRC Architectural Louvre & Bracket	40	14-Jun-17	31-Jul-17	10-Jul-17	25-Aug-17	35%	0%	-22	
A37010	ICP - Install Facade Louvre Screen	40	14-Jun-17	31-Jul-17	10-Jul-17	25-Aug-17	35%	0%	-22	
A37000	ICP - GRC Facade Final Cleaning	15	01-Aug-17	17-Aug-17	25-Aug-17	12-Sep-17	0%	0%	-22	
A37020	ICP - Facade Louvre Screen Final Cleaning	15	01-Aug-17	17-Aug-17	25-Aug-17	12-Sep-17	0%	0%	-22	
ICP - Statutory Inspection										
WSD (FS Water)										
A37070	ICP - Submit & Approval of Form WW046 (Part 4) to WS	14	13-Sep-17	26-Sep-17	25-Oct-17	07-Nov-17	0%	0%	-42	
A37080	ICP - Inspection and Approval by WSD for (FS Pipeworks)	7	27-Sep-17	03-Oct-17	08-Nov-17	14-Nov-17	0%	0%	-42	
Potable Water / Flushing Water										
A37110	ICP - Submit & Approval of Form WW046 (Part 4) to WS	14	13-Sep-17	26-Sep-17	25-Oct-17	07-Nov-17	0%	0%	-42	
EPD Submission and Approval										



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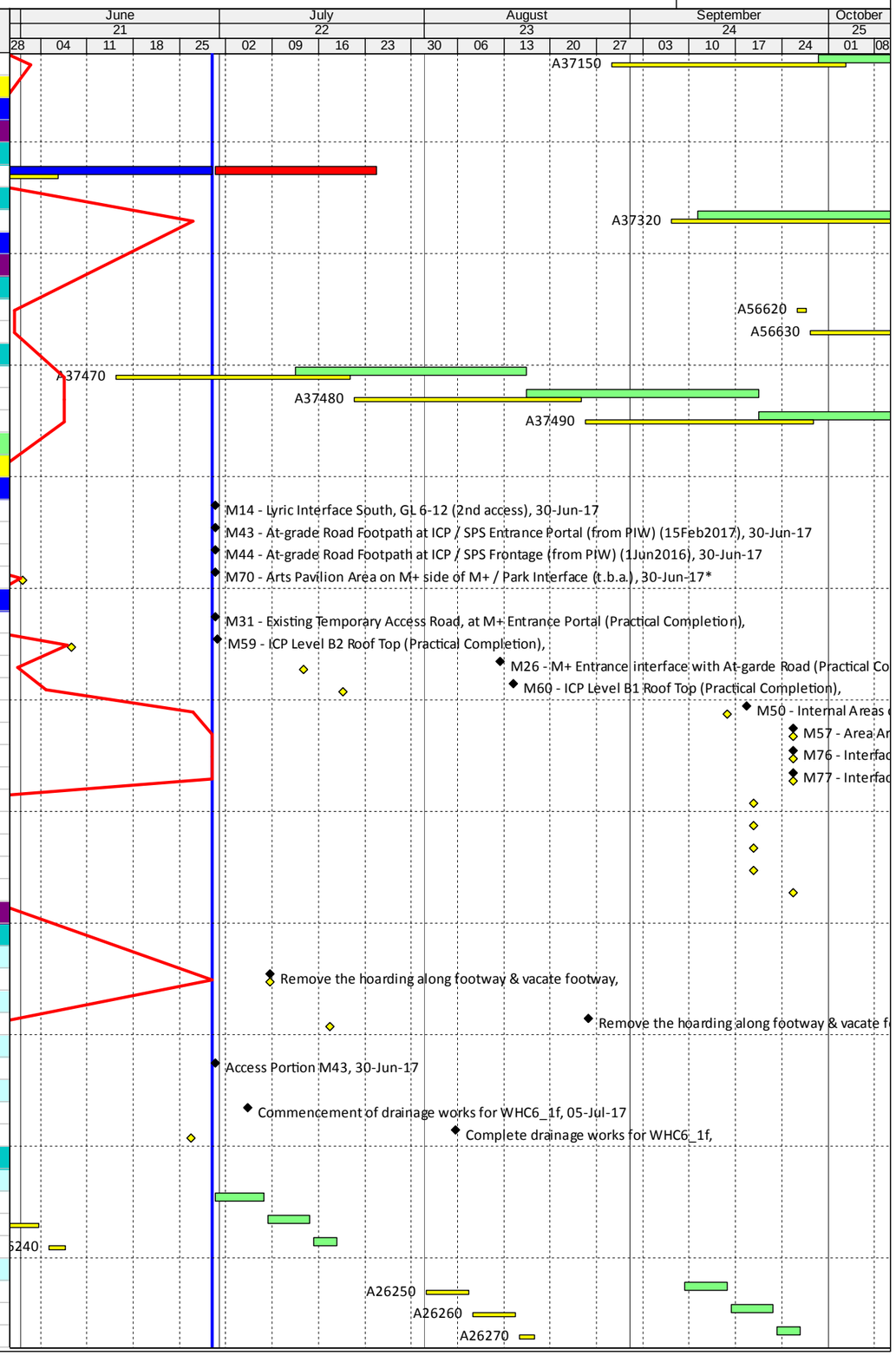
Three Months Rolling Programme (3MRP) - Mth 21 - 30 June 2017

Activity ID	Activity Name	CMWP Dur.	CMWP - R0.D5 Start	CMWP -R0.D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	Comments / Mitigating Measures
A37150	ICP - EPD Submission and Approval for (Genset Installati	30	29-Aug-17	03-Oct-17	29-Sep-17	07-Nov-17	0%	0%	-28	
External Works										
SPS										
SPS - G/F External Utilities & Roadworks										
Grd Lvl - Watermain / FS Pipes Connection (Outside SPS) to PIW										
A37240	Watermain Final Connection & Backfill	25	08-May-17	06-Jun-17	08-May-17	24-Jul-17	100%	20%	-40	
Works Above SPS and ICP at Portion A										
A37320	Portion A - Waterproofing & Backfilling	60	07-Sep-17	18-Nov-17	11-Sep-17	22-Nov-17	0%	0%	-3	
ICP										
ICP - G/F External Utilities & Roadworks										
Entrance Portal from At-grade Road										
A56620	ICP - Final backfilling at Entrance Portal	2	26-Sep-17	27-Sep-17	03-Nov-17	04-Nov-17	0%	0%	-30	
A56630	ICP - Construct Entrance Carriageway	12	28-Sep-17	13-Oct-17	06-Nov-17	18-Nov-17	0%	0%	-30	
Works Above ICP at Portion B										
A37470	Portion B - Waterproofing & Backfilling	30	15-Jun-17	20-Jul-17	12-Jul-17	16-Aug-17	43.33%	0%	-22	
A37480	Portion B - Above Slab Utilities & Fire Hydrant	30	21-Jul-17	24-Aug-17	16-Aug-17	20-Sep-17	0%	0%	-22	
A37490	Portion B - Final backfilling	30	25-Aug-17	28-Sep-17	20-Sep-17	27-Oct-17	0%	0%	-22	
Co-ordinated External Works & Utilities Services Installation										
Interface Dates										
Access Dates										
A24745	M14 - Lyric Interface South, GL 6-12 (2nd access)	0	20-May-17		30-Jun-17		100%	0%	-41	
A25000	M43 - At-grade Road Footpath at ICP / SPS Entrance Port	0	20-May-17		30-Jun-17		100%	0%	-41	
A25010	M44 - At-grade Road Footpath at ICP / SPS Frontage (fro	0	20-May-17		30-Jun-17		100%	0%	-41	Awaiting KO/RSS/CA
A25130	M70 - Arts Pavilion Area on M+ side of M+ / Park Interfa	0	01-Jun-17		30-Jun-17*		100%	0%	-29	
Vacation Date										
A25520	M31 - Existing Temporary Access Road, at M+ Entrance P	0		19-May-17		30-Jun-17	100%	0%	-41	
A25750	M59 - ICP Level B2 Roof Top (Practical Completion)	0		08-Jun-17		30-Jun-17	100%	0%	-22	
A25480	M26 - M+ Entrance interface with At-garde Road (Practic	0		13-Jul-17		12-Aug-17	0%	0%	-30	
A25760	M60 - ICP Level B1 Roof Top (Practical Completion)	0		19-Jul-17		14-Aug-17	0%	0%	-25	
A25670	M50 - Internal Areas of SPS (for Park Opening) (25Jun20	0		15-Sep-17		18-Sep-17	0%	0%	-3	
A25730	M57 - Area Around South side of ICP (Practical Completi	0		25-Sep-17		25-Sep-17	0%	0%	0	
A25890	M76 - Interfacing Park Landscape Area between M+ Sou	0		25-Sep-17		25-Sep-17	0%	0%	0	
A25900	M77 - Interfacing Park Landscape Area South of M+ Sou	0		25-Sep-17		25-Sep-17	0%	0%	0	
A25490	M27 - New Temporary Access Road outside Park Bounda	0		19-Sep-17		01-Nov-17	0%	0%	-43	
A25500	M28 - New Temporary Access Road Part in Hotel/OACF S	0		19-Sep-17		01-Nov-17	0%	0%	-43	
A25600	M43 - At-grade Road Footpath at ICP / SPS Entrance Port	0		19-Sep-17		01-Nov-17	0%	0%	-43	
A25680	M51 - Entrance to SPS within the ICP (H/O to Park on 25	0		19-Sep-17		01-Nov-17	0%	0%	-43	
A25250	M05 - SPS Frontage At-grade Road (25Jan19)	0		25-Sep-17		02-Nov-17	0%	0%	-38	
Interface Schedule (Appedix D1 - 16 December 2015)										
PIW Phase 1										
M+ North West Boundary Interface with Construction At-Grade Road by PIW										
A26160	Remove the hoarding along footway & vacate footway	0		08-Jul-17		08-Jul-17*	0%	0%	0	
ICP & SPS Interface with PIW At-Grade Road										
A26170	Remove the hoarding along footway & vacate footway	0		17-Jul-17		25-Aug-17*	0%	0%	-34	
M+ Portal Road Interface PIW at Grade Road										
A26180	Access Portion M43	0	20-May-17		30-Jun-17		100%	0%	-34	
M+ Drain Connection to PIW Drainage MH WHC6_1f										
A26190	Commencement of drainage works for WHC6_1f	0	24-May-17		05-Jul-17		100%	0%	-34	
A26200	Complete drainage works for WHC6_1f	0		26-Jun-17		05-Aug-17	100%	0%	-34	
Towngas Interface PIW										
DN150 incoming gas main at Entrance Portal (CIV-DWG-0403)										
A26220	Excavate Trench & Install Shoring for Gas Main @ Footwa	6	20-May-17	26-May-17	30-Jun-17	07-Jul-17	100%	0%	-34	
A26230	Allow Towngas to install gas main (By Towngas)	6	27-May-17	03-Jun-17	08-Jul-17	14-Jul-17	100%	0%	-34	
A26240	Backfill Trench to Ground Levels	3	05-Jun-17	07-Jun-17	15-Jul-17	18-Jul-17	100%	0%	-34	
DN150 incoming gas main for RDE (CIV-DWG-0404)										
A26250	Excavate Trench & Install Shoring for Gas Main @ Footwa	6	01-Aug-17	07-Aug-17	09-Sep-17	15-Sep-17	0%	0%	-34	
A26260	Allow Towngas to install gas main (By Towngas)	6	08-Aug-17	14-Aug-17	16-Sep-17	22-Sep-17	0%	0%	-34	
A26270	Backfill Trench to Ground Levels	3	15-Aug-17	17-Aug-17	23-Sep-17	26-Sep-17	0%	0%	-34	



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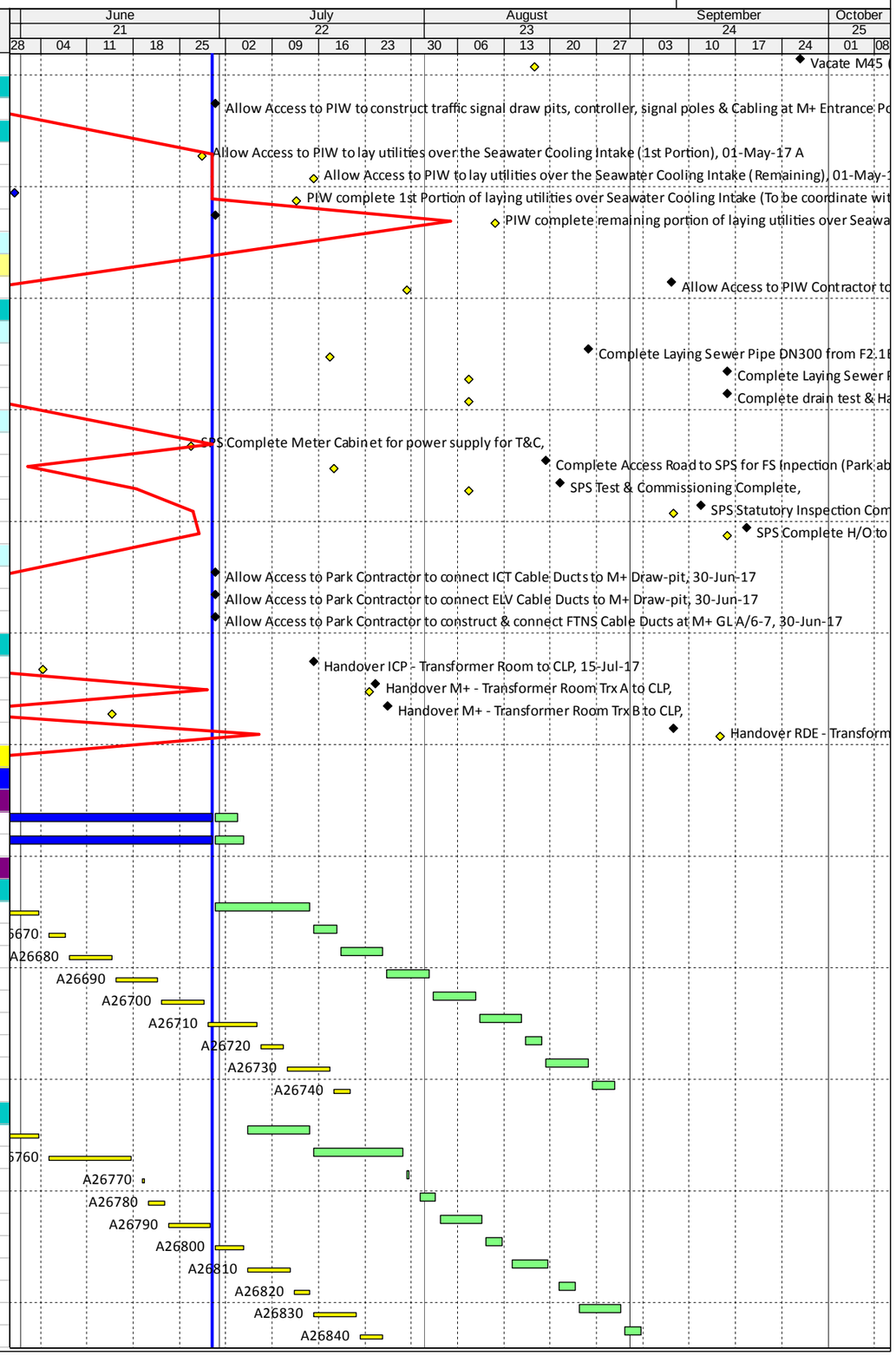
Three Months Rolling Programme (3MRP) - Mth 21 - 30 June 2017

Activity ID	Activity Name	CMWP Dur.	CMWP - R0.D5 Start	CMWP -R0.D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	Comments / Mitigating Measures
A26280	Vacate M45 (8 July 2017)	0		17-Aug-17		26-Sep-17	0%	0%	-34	
M+ Road Interface with PIW										
A26310	Allow Access to PIW to construct traffic signal draw pits,	0	20-May-17		30-Jun-17		100%	0%	-34	
Seawater Cooling Intake Pipes Interface PIW										
A26320	Allow Access to PIW to lay utilities over the Seawater Cc	0	28-Jun-17		01-May-17		100%	100%	47	
B10000	Allow Access to PIW to lay utilities over the Seawater Cc	0	15-Jul-17		01-May-17		0%	100%	61	
A26330-r	PIW complete 1st Portion of laying utilities over Seawat	0		12-Jul-17		31-May-17 A	0%	100%	36	
B10010	PIW complete remaining portion of laying utilities over	0		11-Aug-17		30-Jun-17	0%	0%	36	
Civil Works Interface with PIW Watermain South of M+										
DN450 Fresh Water & DN450 Salt Water District Wide main South of M+ (Item51 - App D1)										
A26340	Allow Access to PIW Contractor to Construct DN450 Fres	0	29-Jul-17		07-Sep-17		0%	0%	-34	
Park										
Sewage Interface w/ Park PIW (SW of M+ & ICP SPS)										
A26430	Complete Laying Sewer Pipe DN300 from F2.1E to SM19	0		17-Jul-17		25-Aug-17	0%	0%	-34	
A26440	Complete Laying Sewer Pipe DN450 to Park Contractor M	0		07-Aug-17		15-Sep-17	0%	0%	-34	
A26450	Complete drain test & Handover to DSD (3 months prior	0		07-Aug-17		15-Sep-17	0%	0%	-34	
SPS & Interface Carpark Interface w/ Park										
A26460	SPS Complete Meter Cabinet for power supply for T&C	0		26-Jun-17		30-Apr-17 A	100%	100%	46	
A26500	Complete Access Road to SPS for FS Inpection (Park abo	0		18-Jul-17		19-Aug-17	0%	0%	-28	
A26470	SPS Test & Commissioning Complete	0		07-Aug-17		21-Aug-17	0%	0%	-12	
A26480	SPS Statutory Inspection Complete	0		07-Sep-17		11-Sep-17	0%	0%	-3	
A26490	SPS Complete H/O to DSD	0		15-Sep-17		18-Sep-17	0%	0%	-2	
Telecoms Interface w/ Park PIW (W of M+)										
A26520	Allow Access to Park Contractor to connect ICT Cable Du	0	20-May-17		30-Jun-17		100%	0%	-34	
A26530	Allow Access to Park Contractor to connect ELV Cable Du	0	20-May-17		30-Jun-17		100%	0%	-34	
A26540	Allow Access to Park Contractor to construct & connect F	0	20-May-17		30-Jun-17		100%	0%	-34	
CLP										
A27780	Handover ICP - Transformer Room to CLP	0	04-Jun-17		15-Jul-17		100%	0%	-41	
A26550	Handover M+ - Transformer Room Trx A to CLP	0		23-Jul-17		24-Jul-17*	0%	0%	-1	
A26560	Handover M+ - Transformer Room Trx B to CLP	0		14-Jun-17		26-Jul-17*	100%	0%	-41	
A26580	Handover RDE - Transformer Room to CLP	0		14-Sep-17		07-Sep-17*	0%	0%	7	
Construction										
Seawater Outfall Pipe										
Submissions & Approval										
A26620	RSS Review & Approve Trench Detail Design and Metho	109	12-Aug-16	20-Dec-16	12-Aug-16	03-Jul-17	100%	98.17%	-153	Late design changes, fo
A26600	BD Review & Approve ELS Design	87	08-Sep-16	21-Dec-16	08-Sep-16	04-Jul-17	100%	96.55%	-153	Late design changes, fo
Construction at CH0+66 to CH0+108										
Trench Excavation & Pipe works (CH0+66 to CH0+102)										
A26660	Install Strut & Wailing @ +3.5mPD	12	20-May-17	03-Jun-17	30-Jun-17	14-Jul-17	100%	0%	-34	
A26670	Trench Excavation@+3.0mPD to Final excavation Lvl	3	05-Jun-17	07-Jun-17	15-Jul-17	18-Jul-17	100%	0%	-34	
A26680	Pipe Laying & Associated Works	6	08-Jun-17	14-Jun-17	19-Jul-17	25-Jul-17	100%	0%	-34	
A26690	Construct Bend Blocks	6	15-Jun-17	21-Jun-17	26-Jul-17	01-Aug-17	100%	0%	-34	
A26700	Pressure Test	6	22-Jun-17	28-Jun-17	02-Aug-17	08-Aug-17	100%	0%	-34	
A26710	Back Filling to Struts & Wailing Lvl	6	29-Jun-17	06-Jul-17	09-Aug-17	15-Aug-17	16.67%	0%	-34	
A26720	Dismantle Struts & Wailing	3	07-Jul-17	10-Jul-17	16-Aug-17	18-Aug-17	0%	0%	-34	
A26730	Back Filling to GL	6	11-Jul-17	17-Jul-17	19-Aug-17	25-Aug-17	0%	0%	-34	
A26740	Extract Sheetpiles	3	18-Jul-17	20-Jul-17	26-Aug-17	29-Aug-17	0%	0%	-34	
Construct Cofferdam & Pipe works for Lead In (CH0+102 to CH0+108)										
A26750	Drive in Sheetpiles (Cofferdam) @ 18m depth	9	24-May-17	03-Jun-17	05-Jul-17	14-Jul-17	100%	0%	-34	
A26760	Curtain Grouting (where required)	12	05-Jun-17	17-Jun-17	15-Jul-17	28-Jul-17	100%	0%	-34	
A26770	Dewatering	1	19-Jun-17	19-Jun-17	29-Jul-17	29-Jul-17	100%	0%	-34	
A26780	ELS Excavation (Cofferdam)@GL +5.0mPD to +3.0mPD	3	20-Jun-17	22-Jun-17	31-Jul-17	02-Aug-17	100%	0%	-34	
A26790	Install 1st Layer Strut & Wailing (Cofferdam) @ +3.5mPD	6	23-Jun-17	29-Jun-17	03-Aug-17	09-Aug-17	100%	0%	-34	
A26800	ELS Excavation (Cofferdam)@+3.0mPD to +0.275mPD	3	30-Jun-17	04-Jul-17	10-Aug-17	12-Aug-17	0%	0%	-34	
A26810	Install 2nd Layer Strut & Wailing (Cofferdam) @ +0.775r	6	05-Jul-17	11-Jul-17	14-Aug-17	19-Aug-17	0%	0%	-34	
A26820	ELS Excavation (Cofferdam)@+0.275mPD to -2.45mPD	3	12-Jul-17	14-Jul-17	21-Aug-17	23-Aug-17	0%	0%	-34	
A26830	Install 3rd Layer Strut & Wailing (Cofferdam) @ -1.95mF	6	15-Jul-17	21-Jul-17	24-Aug-17	30-Aug-17	0%	0%	-34	
A26840	ELS Excavation Final (Cofferdam)@ -2.45mPD to -3.70ml	3	22-Jul-17	25-Jul-17	31-Aug-17	02-Sep-17	0%	0%	-34	



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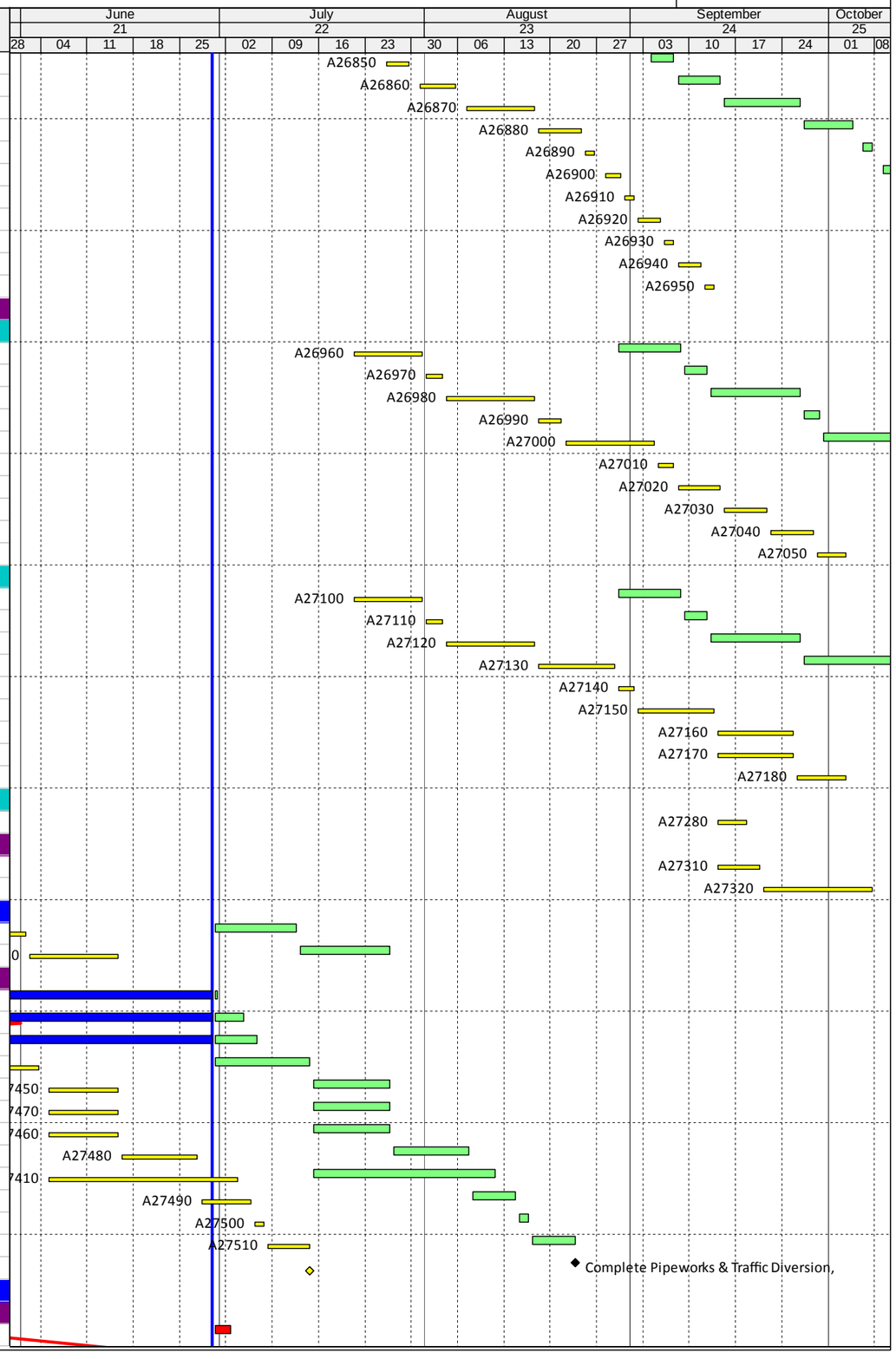
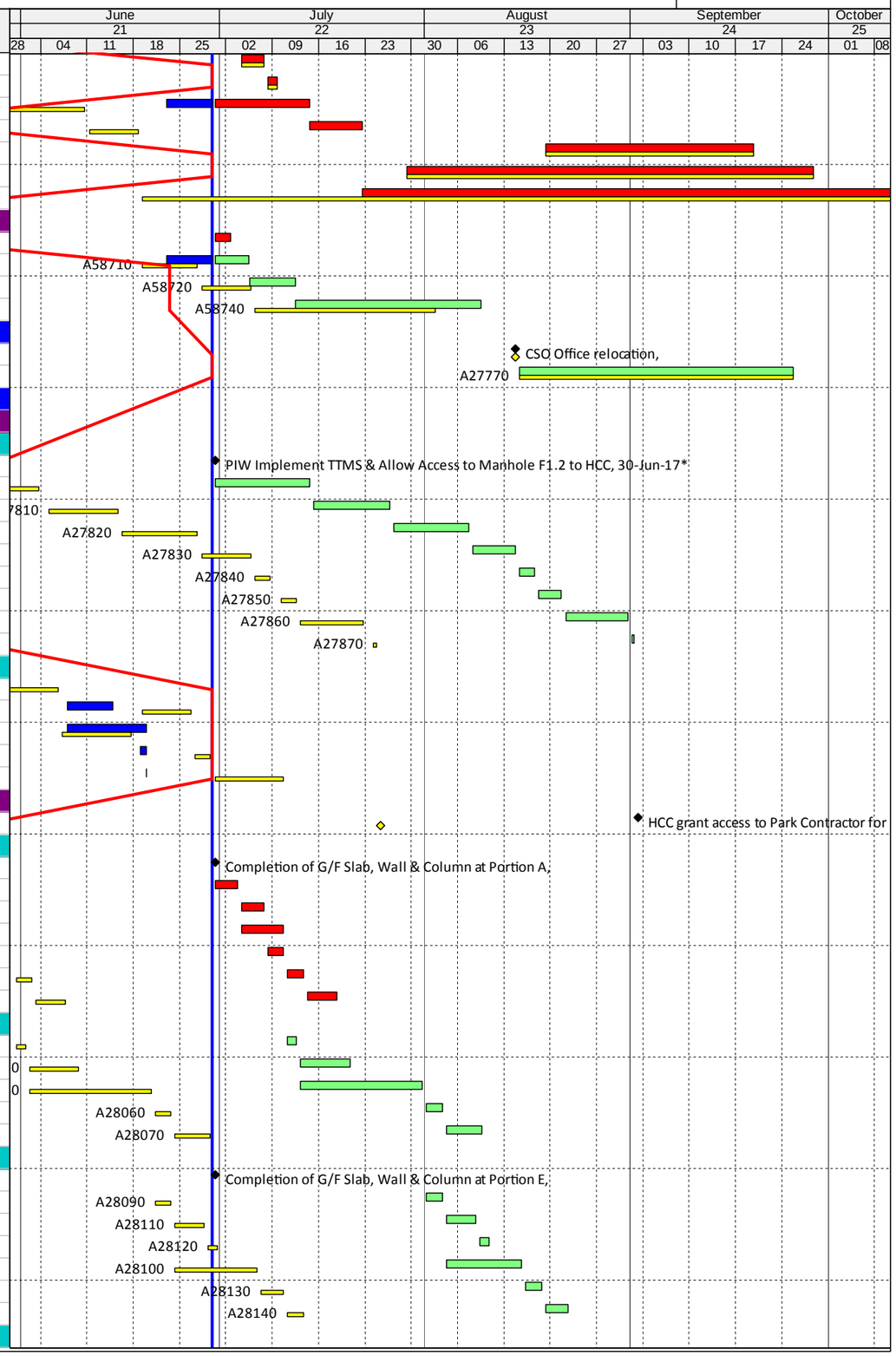
A26850	Pipe Laying & Associated Works	4	26-Jul-17	29-Jul-17	04-Sep-17	07-Sep-17	0%	0%	-34	
A26860	Construct 2 Nos of Bend Block	6	31-Jul-17	05-Aug-17	08-Sep-17	14-Sep-17	0%	0%	-34	
A26870	Construct Valve Chamber	10	07-Aug-17	17-Aug-17	15-Sep-17	26-Sep-17	0%	0%	-34	
A26880	Pressure Test	6	18-Aug-17	24-Aug-17	27-Sep-17	04-Oct-17	0%	0%	-34	
A26890	Back Filling to 3rd Layer Strut	2	25-Aug-17	26-Aug-17	06-Oct-17	07-Oct-17	0%	0%	-34	
A26900	Dismantle 3rd Layer Struts & Wailing	3	28-Aug-17	30-Aug-17	09-Oct-17	11-Oct-17	0%	0%	-34	
A26910	Back Filling to 2nd Layer Strut	2	31-Aug-17	01-Sep-17	12-Oct-17	13-Oct-17	0%	0%	-34	
A26920	Dismantle 2nd Layer Struts & Wailing	3	02-Sep-17	05-Sep-17	14-Oct-17	17-Oct-17	0%	0%	-34	
A26930	Back Filling to 1st Layer Struts	2	06-Sep-17	07-Sep-17	18-Oct-17	19-Oct-17	0%	0%	-34	
A26940	Dismantle 1st Layer Struts & Wailing	3	08-Sep-17	11-Sep-17	20-Oct-17	23-Oct-17	0%	0%	-34	
A26950	Back Filling to GL	2	12-Sep-17	13-Sep-17	24-Oct-17	25-Oct-17	0%	0%	-34	
Construction at CH0+0 to CH66										
Trench Excavation & Pipe works CH0+32 to CH0+66										
A26960	Drive In Sheet Piles	9	21-Jul-17	31-Jul-17	30-Aug-17	08-Sep-17	0%	0%	-34	
A26970	Trench Excavation	3	01-Aug-17	03-Aug-17	09-Sep-17	12-Sep-17	0%	0%	-34	
A26980	Install 1st Layer of Struts & Wailing	12	04-Aug-17	17-Aug-17	13-Sep-17	26-Sep-17	0%	0%	-34	
A26990	Trench Excavation to 2nd Layer of Struts	3	18-Aug-17	21-Aug-17	27-Sep-17	29-Sep-17	0%	0%	-34	
A27000	Install 2nd Layer of Struts & Wailing	12	22-Aug-17	04-Sep-17	30-Sep-17	16-Oct-17	0%	0%	-34	
A27010	Trench Excavation to Final Level	3	05-Sep-17	07-Sep-17	17-Oct-17	19-Oct-17	0%	0%	-34	
A27020	Pipe Laying & Associated Works	6	08-Sep-17	14-Sep-17	20-Oct-17	26-Oct-17	0%	0%	-34	
A27030	Pressure Test	6	15-Sep-17	21-Sep-17	27-Oct-17	03-Nov-17	0%	0%	-34	
A27040	Back Filling	6	22-Sep-17	28-Sep-17	04-Nov-17	10-Nov-17	0%	0%	-34	
A27050	Dismantle 2nd Layer Struts & Wailing	3	29-Sep-17	03-Oct-17	11-Nov-17	14-Nov-17	0%	0%	-34	
Trench Excavation & Pipe works CH0+0 to CH0+32										
A27100	Drive in Sheet Piles	9	21-Jul-17	31-Jul-17	30-Aug-17	08-Sep-17	0%	0%	-34	
A27110	Trench @GL +5.0mPD to +4.0mPD	3	01-Aug-17	03-Aug-17	09-Sep-17	12-Sep-17	0%	0%	-34	
A27120	Install 1st Layer Strut & Wailing@ +4.5mPD	12	04-Aug-17	17-Aug-17	13-Sep-17	26-Sep-17	0%	0%	-34	
A27130	Install Legging to Opening	10	18-Aug-17	29-Aug-17	27-Sep-17	10-Oct-17	0%	0%	-34	
A27140	Trench Excavation@+4.0mPD to +1.06mPD	3	30-Aug-17	01-Sep-17	11-Oct-17	13-Oct-17	0%	0%	-34	
A27150	Pipe Laying & Associated Works	10	02-Sep-17	13-Sep-17	14-Oct-17	25-Oct-17	0%	0%	-34	
A27160	Construct Bend Blocks	10	14-Sep-17	25-Sep-17	26-Oct-17	07-Nov-17	0%	0%	-34	
A27170	Construct Wash Out Chamber	10	14-Sep-17	25-Sep-17	26-Oct-17	07-Nov-17	0%	0%	-34	
A27180	Pressure Test	6	26-Sep-17	03-Oct-17	08-Nov-17	14-Nov-17	0%	0%	-34	
DCS Box (Portion M15&M16)										
A27280	Backfill	4	14-Sep-17	18-Sep-17	26-Oct-17	31-Oct-17	0%	0%	-34	
Construction at Grade CH0+108 to CH0+158										
A27310	Install Concrete Saddle for Pipe Support	6	14-Sep-17	20-Sep-17	26-Oct-17	02-Nov-17	0%	0%	-34	
A27320	Pipe Laying & Associated Works	13	21-Sep-17	07-Oct-17	03-Nov-17	17-Nov-17	0%	0%	-34	
Seawater Intake Pipe Works										
A27370	Prepare & Submit Detailed Design and Modifcation Wor	10	20-May-17	01-Jun-17	30-Jun-17	12-Jul-17	100%	0%	-34	Late design changes, fo
A27380	RSS Review & Approve Detail Design and Modification V	12	02-Jun-17	15-Jun-17	13-Jul-17	26-Jul-17	100%	0%	-34	
Construction of Seawater Intake Pipe										
A27420	Excavate from G/F (+4.5mPD) to +2.0mPD	3	08-Mar-17	10-Mar-17	08-Mar-17	30-Jun-17	100%	66.67%	-89	
A27440	Excavate from +2.0mPD to +0.3mPD	3	26-May-17	29-May-17	22-May-17	04-Jul-17	100%	0%	-29	
A27430	Install UU Support	12	20-Mar-17	01-Apr-17	20-Mar-17	06-Jul-17	100%	58.33%	-74	
A27400	Install UU Supports	12	20-May-17	03-Jun-17	30-Jun-17	14-Jul-17	100%	0%	-34	
A27450	Lay DN600 Seawater Intake Pipes x 2	10	05-Jun-17	15-Jun-17	15-Jul-17	26-Jul-17	100%	0%	-34	
A27470	Lay DN28 Cleansing Pipe	10	05-Jun-17	15-Jun-17	15-Jul-17	26-Jul-17	100%	0%	-34	
A27460	Lay DN100 Chlorination Pipe	10	05-Jun-17	15-Jun-17	15-Jul-17	26-Jul-17	100%	0%	-34	
A27480	Construct Thrust Blocks	10	16-Jun-17	27-Jun-17	27-Jul-17	07-Aug-17	100%	0%	-34	
A27410	Drill holes, Inject Curtain Grout & backfill	24	05-Jun-17	03-Jul-17	15-Jul-17	11-Aug-17	91.67%	0%	-34	
A27490	Pressure Testing and Inspection	6	28-Jun-17	05-Jul-17	08-Aug-17	14-Aug-17	33.33%	0%	-34	
A27500	Backfill to +2.0mPD	2	06-Jul-17	07-Jul-17	15-Aug-17	16-Aug-17	0%	0%	-34	
A27510	Remove Underground Utilities Support & Backfill up to +	6	08-Jul-17	14-Jul-17	17-Aug-17	23-Aug-17	0%	0%	-34	
A27520	Complete Pipeworks & Traffic Diversion	0		14-Jul-17		23-Aug-17	0%	0%	-34	
Seawater Pump Cell										
BME										
A58630	Delivery of DI pipe	2	26-May-17	27-May-17	30-Jun-17*	02-Jul-17	100%	0%	-34	



Data Date: 30-Jun-17
Layout Name: 01) CMWP - 3MRP (Template)
File Name: Three Months Rolling Programme 3MRP - Mth21 (30 June 2017)

Three Months Rolling Programme (3MRP) - Mth 21 - 30 June 2017

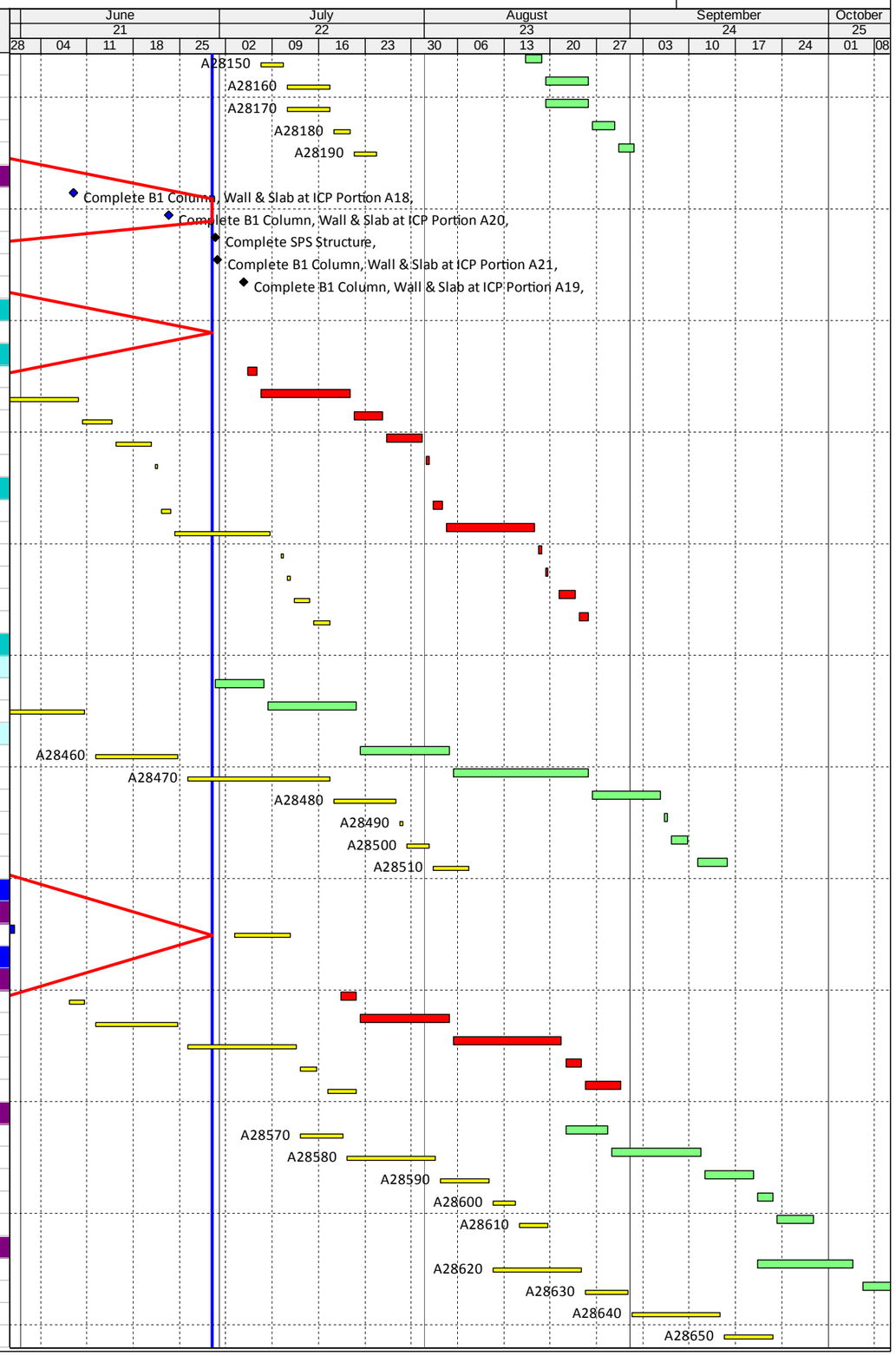
Activity ID	Activity Name	CMWP Dur.	CMWP - R0.D5 Start	CMWP -R0.D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	Comments / Mitigating Measures
A58650	Delivery of sea water pump	4	04-Jul-17	07-Jul-17	04-Jul-17*	07-Jul-17	0%	0%	0	
A58660	Install sea water pump	2	08-Jul-17	09-Jul-17	08-Jul-17	09-Jul-17	0%	0%	0	
A58610	Dismantle the existing unused Equipment	21	20-May-17	10-Jun-17	23-Jun-17	14-Jul-17	100%	35%	-33	
A58620	Builder's work	8	11-Jun-17	18-Jun-17	14-Jul-17	22-Jul-17	100%	0%	-33	
A58680	Install Pump motor	32	19-Aug-17	19-Sep-17	19-Aug-17	19-Sep-17	0%	0%	0	
A58670	Install electrical & Control	62	29-Jul-17	28-Sep-17	29-Jul-17	28-Sep-17	0%	0%	0	
A58640	Install DI pump	124	19-Jun-17	23-Oct-17	22-Jul-17	26-Nov-17	8.87%	0%	-33	
Plumbing & Drainage										
A58730	Delivery of Sump Pumps	2	20-May-17	21-May-17	30-Jun-17*	02-Jul-17	100%	0%	-40	
A58710	Dismantle the existing unused Equipment	9	19-Jun-17	27-Jun-17	23-Jun-17	05-Jul-17	100%	50%	-7	
A58720	Builder's work	7	28-Jun-17	05-Jul-17	05-Jul-17	12-Jul-17	28.57%	0%	-7	
A58740	Install Sump Pumps	28	06-Jul-17	02-Aug-17	12-Jul-17	09-Aug-17	0%	0%	-7	
Demolition of CSO Office										
A27760	CSO Office relocation	0		14-Aug-17		14-Aug-17*	0%	0%	0	
A27770	Demolish Existing CSO Office	36	15-Aug-17	25-Sep-17	15-Aug-17	25-Sep-17	0%	0%	0	
Sewerage										
Sewerage Interface with PIW & F2 Contractor										
Sewerage at Austin Road West (Portion L08)										
A27790	PIW Implement TTMS & Allow Access to Manhole F1.2 t	0	20-May-17		30-Jun-17*		100%	0%	-34	PIW will not implemen
A27800	Excavate Trial Trench for UU within Austin Road West Ar	12	20-May-17	03-Jun-17	30-Jun-17	14-Jul-17	100%	0%	-34	
A27810	Demolished Existing Planter	10	05-Jun-17	15-Jun-17	15-Jul-17	26-Jul-17	100%	0%	-34	
A27820	Excavate & Install Lateral Support	10	16-Jun-17	27-Jun-17	27-Jul-17	07-Aug-17	100%	0%	-34	
A27830	Construct M+ Terminal Manhole F1.3A	6	28-Jun-17	05-Jul-17	08-Aug-17	14-Aug-17	33.33%	0%	-34	
A27840	Lay down DN375 F1.3B to F1.3A to F1.2	3	06-Jul-17	08-Jul-17	15-Aug-17	17-Aug-17	0%	0%	-34	
A27850	Pressure Test	3	10-Jul-17	12-Jul-17	18-Aug-17	21-Aug-17	0%	0%	-34	
A27860	Back fill & Reinstate pavement / Reinstate Planter	9	13-Jul-17	22-Jul-17	22-Aug-17	31-Aug-17	0%	0%	-34	
A27870	HCC connect DN375 to F1.2	1	24-Jul-17	24-Jul-17	01-Sep-17	01-Sep-17	0%	0%	-34	
Sewerage adjacent to CLP Station (Portion L19)										
A27890	Excavate Trench and install shoring for sewer drain along	14	20-May-17	06-Jun-17	16-May-17	17-May-17 A	100%	100%	17	
A27910	Lay down DN375 from F1.3C to F1.3B (approx. 39m)	7	19-Jun-17	26-Jun-17	08-Jun-17	15-Jun-17 A	100%	100%	10	
A27900	Construct manholes F1.3C and F1.3B	10	07-Jun-17	17-Jun-17	08-Jun-17	20-Jun-17 A	100%	100%	-1	
A27920	Pressure Test	3	27-Jun-17	29-Jun-17	19-Jun-17	20-Jun-17 A	100%	100%	9	
A27930	Backfill to adjacent ground level	8	30-Jun-17	10-Jul-17	20-Jun-17	20-Jun-17 A	0%	100%	17	
Sewerage at Portion M01, Gridline A / 3-14										
A27940	HCC grant access to Park Contractor for SM100 construct	0	25-Jul-17		02-Sep-17		0%	0%	-34	
MH F2.1B to MH F2.1A										
A27960	Completion of G/F Slab, Wall & Column at Portion A	0		19-May-17		30-Jun-17	100%	0%	-34	Late Access due to the c
A27970	Manhole & Trench Excavation for Sewerage Pipe betwee	2	20-May-17	22-May-17	30-Jun-17	03-Jul-17	100%	0%	-34	
A27990	Lay Sewerage Pipe DN300 between MH F2.1A to F2.1B	4	23-May-17	26-May-17	04-Jul-17	07-Jul-17	100%	0%	-34	
A27980	Construct Manhole F2.1A	6	23-May-17	29-May-17	04-Jul-17	10-Jul-17	100%	0%	-34	
A28000	Lay & Connect Sewerage Pipe incoming from M+ to MH	2	27-May-17	29-May-17	08-Jul-17	10-Jul-17	100%	0%	-34	
A28010	Pressure Test	3	31-May-17	02-Jun-17	11-Jul-17	13-Jul-17	100%	0%	-34	
A28020	Backfill to ground level	4	03-Jun-17	07-Jun-17	14-Jul-17	18-Jul-17	100%	0%	-34	
MH F2.1C to MH F2.1B										
A28030	Manhole & Trench Excavation for Sewerage Pipe betwee	2	31-May-17	01-Jun-17	11-Jul-17	12-Jul-17	100%	0%	-34	Late access (early July 2
A28050	Lay Sewerage Pipe DN300 between MH F2.1C to F2.1B (	7	02-Jun-17	09-Jun-17	13-Jul-17	20-Jul-17	100%	0%	-34	
A28040	Construct Manhole F2.1B & F2.1C	16	02-Jun-17	20-Jun-17	13-Jul-17	31-Jul-17	100%	0%	-34	
A28060	Pressure test	3	21-Jun-17	23-Jun-17	01-Aug-17	03-Aug-17	100%	0%	-34	
A28070	Backfill to ground level	5	24-Jun-17	29-Jun-17	04-Aug-17	09-Aug-17	100%	0%	-34	
MH F2.1D to MH F2.1C										
A28080	Completion of G/F Slab, Wall & Column at Portion E	0		19-May-17		30-Jun-17	100%	0%	-34	
A28090	Manhole & Trench Excavation for Sewerage Pipe betwee	3	21-Jun-17	23-Jun-17	01-Aug-17	03-Aug-17	100%	0%	-34	
A28110	Lay Sewerage Pipe DN375 between MH F2.1D to F2.1C	4	24-Jun-17	28-Jun-17	04-Aug-17	08-Aug-17	100%	0%	-34	
A28120	Lay & Connect Sewerage Pipe incoming from M+ to MH	2	29-Jun-17	30-Jun-17	09-Aug-17	10-Aug-17	50%	0%	-34	
A28100	Construct Manhole F2.1D	10	24-Jun-17	06-Jul-17	04-Aug-17	15-Aug-17	50%	0%	-34	
A28130	Pressure Test	3	07-Jul-17	10-Jul-17	16-Aug-17	18-Aug-17	0%	0%	-34	
A28140	Backfill to ground level	3	11-Jul-17	13-Jul-17	19-Aug-17	22-Aug-17	0%	0%	-34	
MH F2.1E to MH F2.1D										



Data Date: 30-Jun-17
Layout Name: 01) CMWP - 3MRP (Template)
File Name: Three Months Rolling Programme 3MRP - Mth21 (30 June 2017)

Three Months Rolling Programme (3MRP) - Mth 21 - 30 June 2017

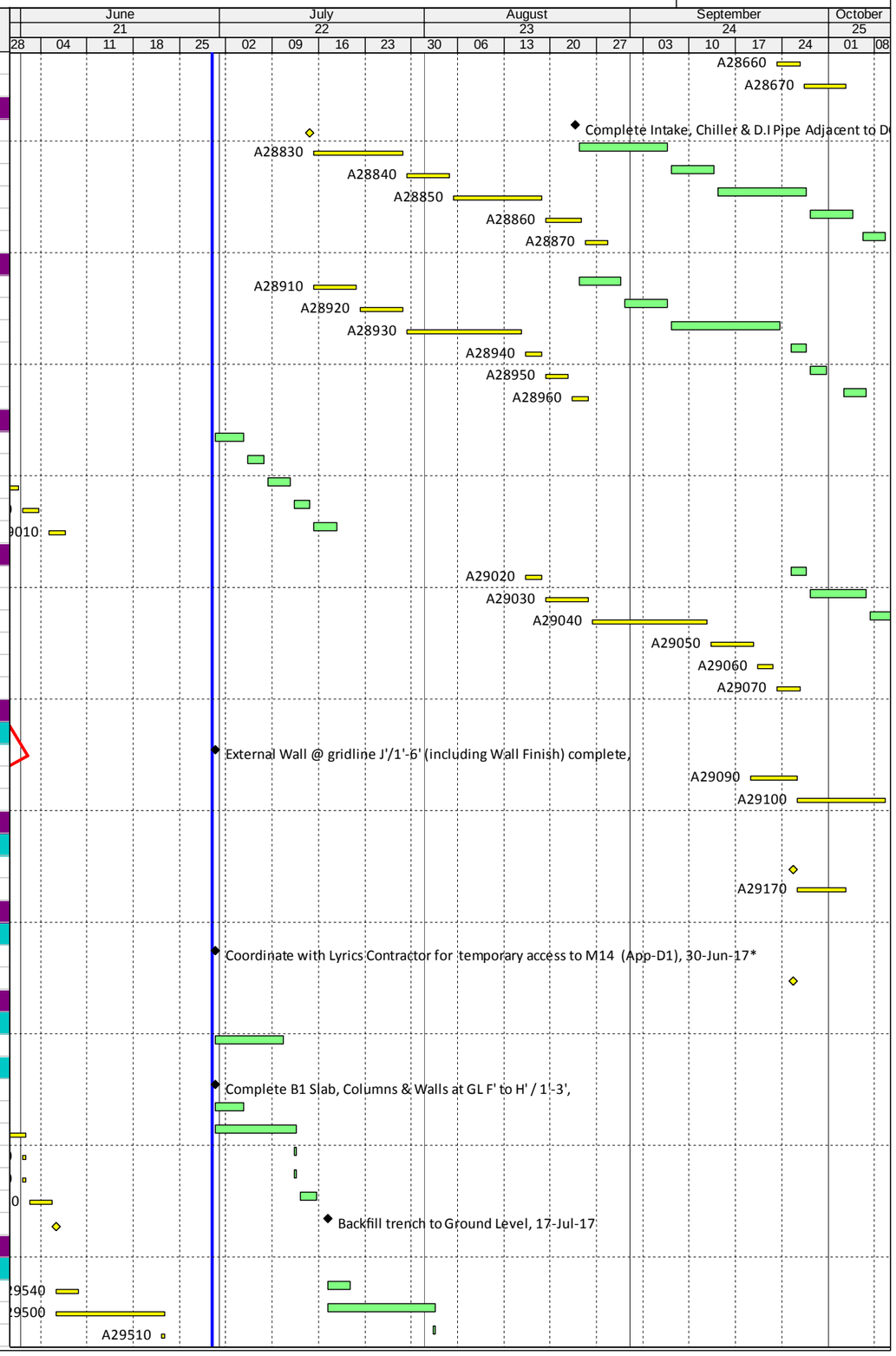
Activity ID	Activity Name	CMWP Dur.	CMWP - R0.D5 Start	CMWP -R0.D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	Comments / Mitigating Measures
A28150	Manhole & Trench Excavation for Sewerage Pipe betwee	3	07-Jul-17	10-Jul-17	16-Aug-17	18-Aug-17	0%	0%	-34	
A28160	Construct Manholes F2.1E	6	11-Jul-17	17-Jul-17	19-Aug-17	25-Aug-17	0%	0%	-34	
A28170	Lay Sewerage Pipe between MH F2.1E to F2.1D (DN375	6	11-Jul-17	17-Jul-17	19-Aug-17	25-Aug-17	0%	0%	-34	
A28180	Pressure Test	3	18-Jul-17	20-Jul-17	26-Aug-17	29-Aug-17	0%	0%	-34	
A28190	Backfill to ground level	3	21-Jul-17	24-Jul-17	30-Aug-17	01-Sep-17	0%	0%	-34	
Sewerage at Portion M05 & M27										
A28210	Complete B1 Column, Wall & Slab at ICP Portion A18	0		23-May-17		09-Jun-17 A	100%	100%	-13	
A28230	Complete B1 Column, Wall & Slab at ICP Portion A20	0		20-May-17		23-Jun-17 A	100%	100%	-27	
A28250	Complete SPS Structure	0		19-May-17		30-Jun-17	100%	0%	-34	
A28240	Complete B1 Column, Wall & Slab at ICP Portion A21	0		20-May-17		30-Jun-17	100%	0%	-34	
A28220	Complete B1 Column, Wall & Slab at ICP Portion A19	0		23-May-17		04-Jul-17	100%	0%	-34	
MH SM22 to SM21T (DN450)										
A28320	Backfill to formation level	2	20-May-17	22-May-17	29-May-17	30-May-17 A	100%	100%	-6	
MH SM21T to SM21										
A28330	Excavate & Lateral Support for Manhole SM21	2	24-May-17	25-May-17	05-Jul-17	06-Jul-17	100%	0%	-34	
A28340	Construct MH SM21	12	26-May-17	09-Jun-17	07-Jul-17	20-Jul-17	100%	0%	-34	
A28350	Trench Excavation & Lateral Support from SM21T to SM2	4	10-Jun-17	14-Jun-17	21-Jul-17	25-Jul-17	100%	0%	-34	
A28360	Lay Sewerage Pipe DN450 between SM21T to SM21 (Ap	5	15-Jun-17	20-Jun-17	26-Jul-17	31-Jul-17	100%	0%	-34	
A28370	Backfill to formation level	1	21-Jun-17	21-Jun-17	01-Aug-17	01-Aug-17	100%	0%	-34	
MH SM21 to SM21A										
A28380	Excavate & Lateral Support for Manhole SM21A	2	22-Jun-17	23-Jun-17	02-Aug-17	03-Aug-17	100%	0%	-34	
A28390	Construct MH SM21A	12	24-Jun-17	08-Jul-17	04-Aug-17	17-Aug-17	41.67%	0%	-34	
A28400	Trench Excavation & Lateral Support from SM21 to SM21	1	10-Jul-17	10-Jul-17	18-Aug-17	18-Aug-17	0%	0%	-34	
A28410	Lay Sewerage Pipe DN450 between SM21 to SM21A (Ap	1	11-Jul-17	11-Jul-17	19-Aug-17	19-Aug-17	0%	0%	-34	
A28420	Pressure Test	3	12-Jul-17	14-Jul-17	21-Aug-17	23-Aug-17	0%	0%	-34	
A28430	Backfill to formation level	2	15-Jul-17	17-Jul-17	24-Aug-17	25-Aug-17	0%	0%	-34	
MH SM21A to Interface MH SM13										
Submissions										
A28440	Prepare & Submit ELS Design to RSS for Approval	6	20-May-17	26-May-17	30-Jun-17	07-Jul-17	100%	0%	-34	
A28450	RSS Review & Approve ELS Design	12	27-May-17	10-Jun-17	08-Jul-17	21-Jul-17	100%	0%	-34	
Construction										
A28460	Drive In Sheetpiles	12	12-Jun-17	24-Jun-17	22-Jul-17	04-Aug-17	100%	0%	-34	
A28470	Trench Excavation & Lateral Support from SM21A to SM1	18	26-Jun-17	17-Jul-17	05-Aug-17	25-Aug-17	22.22%	0%	-34	
A28480	Lay Sewerage Pipe DN450 between SM21A to SM13 (Ap	9	18-Jul-17	27-Jul-17	26-Aug-17	05-Sep-17	0%	0%	-34	
A28490	Connect Pipe to Interfacing MH SM13 / Box out Pipe on	1	28-Jul-17	28-Jul-17	06-Sep-17	06-Sep-17	0%	0%	-34	
A28500	Pressure Test	3	29-Jul-17	01-Aug-17	07-Sep-17	09-Sep-17	0%	0%	-34	
A28510	Backfill to formation level	5	02-Aug-17	07-Aug-17	11-Sep-17	15-Sep-17	0%	0%	-34	
Rising Main										
SPS Pump Station										
ABF51850	Lay 2 Nos. DN200 Rising Main	8	03-Jul-17	11-Jul-17	15-May-17	31-May-17 A	0%	100%	35	
Storm Drainage										
Storm Drain DN750 along Gridline A/3-11 (MH S2.4 to S2.6)										
A28520	Excavate to formation level	3	08-Jun-17	10-Jun-17	19-Jul-17	21-Jul-17	100%	0%	-34	
A28530	Construct Manhole S2.4 & S2.6	12	12-Jun-17	24-Jun-17	22-Jul-17	04-Aug-17	100%	0%	-34	
A28540	Lay DN700 pipe from Manholes S2.4 to S2.6 (Approx. 78	14	26-Jun-17	12-Jul-17	05-Aug-17	21-Aug-17	28.57%	0%	-34	
A28550	Pressure Test	3	13-Jul-17	15-Jul-17	22-Aug-17	24-Aug-17	0%	0%	-34	
A28560	Backfill to existing ground level	5	17-Jul-17	21-Jul-17	25-Aug-17	30-Aug-17	0%	0%	-34	
Storm Drain DN1050 along Gridline A/11-14 (MH S2.6 to S2.6A to S2.7 to S2.8)										
A28570	Excavate to formation level & install shoring	6	13-Jul-17	19-Jul-17	22-Aug-17	28-Aug-17	0%	0%	-34	
A28580	Construct Manhole S2.6a, S2.7 & S2.8	12	20-Jul-17	02-Aug-17	29-Aug-17	11-Sep-17	0%	0%	-34	
A28590	Lay DN1050 pipe from Manholes S2.6 to S2.6a to S2.7 to	7	03-Aug-17	10-Aug-17	12-Sep-17	19-Sep-17	0%	0%	-34	
A28600	Pressure Test	3	11-Aug-17	14-Aug-17	20-Sep-17	22-Sep-17	0%	0%	-34	
A28610	Backfill to existing ground level	5	15-Aug-17	19-Aug-17	23-Sep-17	28-Sep-17	0%	0%	-34	
Storm Drain DN1050 along Gridline A/14 (MH S2.8 to S2.9a to SE2.7)										
A28620	Excavate Trial Trench for existing underground utilities	12	11-Aug-17	24-Aug-17	20-Sep-17	04-Oct-17	0%	0%	-34	
A28630	Excavate to formation level & install shoring	6	25-Aug-17	31-Aug-17	06-Oct-17	12-Oct-17	0%	0%	-34	
A28640	Construct Manhole S2.9a & SE2.7	12	01-Sep-17	14-Sep-17	13-Oct-17	26-Oct-17	0%	0%	-34	
A28650	Lay DN1050 pipe from Manholes S2.8 to S2.9a to SE2.7	7	15-Sep-17	22-Sep-17	27-Oct-17	04-Nov-17	0%	0%	-34	



Data Date: 30-Jun-17
Layout Name: 01) CMWP - 3MRP (Template)
File Name: Three Months Rolling Programme 3MRP - Mth21 (30 June 2017)

Three Months Rolling Programme (3MRP) - Mth 21 - 30 June 2017

Activity ID	Activity Name	CMWP Dur.	CMWP - R0.D5 Start	CMWP -R0.D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	Comments / Mitigating Measures
A28660	Pressure Test	3	23-Sep-17	26-Sep-17	06-Nov-17	08-Nov-17	0%	0%	-34	
A28670	Backfill to existing ground level	5	27-Sep-17	03-Oct-17	09-Nov-17	14-Nov-17	0%	0%	-34	
Storm Drain DN600 along Gridline G-M/14 (MH S2.12 to S2.13)										
A28820	Complete Intake, Chiller & D.I Pipe Adjacent to DCS	0		14-Jul-17		23-Aug-17	0%	0%	-34	
A28830	Excavate Trial Trench	12	15-Jul-17	28-Jul-17	24-Aug-17	06-Sep-17	0%	0%	-34	
A28840	Excavate to formation level	6	29-Jul-17	04-Aug-17	07-Sep-17	13-Sep-17	0%	0%	-34	
A28850	Construct Manhole S2.12 & S2.13	12	05-Aug-17	18-Aug-17	14-Sep-17	27-Sep-17	0%	0%	-34	
A28860	Lay DN450 pipe from Manholes S2.13 to S2.12 (Approx.	5	19-Aug-17	24-Aug-17	28-Sep-17	04-Oct-17	0%	0%	-34	
A28870	Backfill to existing ground level	3	25-Aug-17	28-Aug-17	06-Oct-17	09-Oct-17	0%	0%	-34	
Strom Drain DN600 along Gridline E-G/14 (MH S2.12 to S2.11 to S2.10)										
A28910	Excavate Trial Trench	6	15-Jul-17	21-Jul-17	24-Aug-17	30-Aug-17	0%	0%	-34	
A28920	Excavate to formation level	6	22-Jul-17	28-Jul-17	31-Aug-17	06-Sep-17	0%	0%	-34	
A28930	Construct Manhole S2.10 & S2.11	15	29-Jul-17	15-Aug-17	07-Sep-17	23-Sep-17	0%	0%	-34	
A28940	Lay DN600 pipe from Manholes S2.12 to S2.11 to S2.10	3	16-Aug-17	18-Aug-17	25-Sep-17	27-Sep-17	0%	0%	-34	
A28950	Pressure Test	3	19-Aug-17	22-Aug-17	28-Sep-17	30-Sep-17	0%	0%	-34	
A28960	Backfill to existing ground level	3	23-Aug-17	25-Aug-17	03-Oct-17	06-Oct-17	0%	0%	-34	
Storm Drain DN600 along Gridline B-E/14 (MH S2.10 to S2.9c)										
A28970	Excavate Trial Trench	3	20-May-17	23-May-17	30-Jun-17*	04-Jul-17	100%	0%	-34	
A28980	Excavate to Formation Level	3	24-May-17	26-May-17	05-Jul-17	07-Jul-17	100%	0%	-34	
A28990	Lay DN600 Pipe from MHS2.10 to S2.9c (Approx 30m)	3	27-May-17	31-May-17	08-Jul-17	11-Jul-17	100%	0%	-34	
A29000	Pressure Test	3	01-Jun-17	03-Jun-17	12-Jul-17	14-Jul-17	100%	0%	-34	
A29010	Backfill to existing ground level	3	05-Jun-17	07-Jun-17	15-Jul-17	18-Jul-17	100%	0%	-34	
Storm Drain DN750 along Gridline A-B/14 (MH S2.9c to S2.9b to S2.9a)										
A29020	Excavate Trial Trench	3	16-Aug-17	18-Aug-17	25-Sep-17	27-Sep-17	0%	0%	-34	
A29030	Excavate to formation level	6	19-Aug-17	25-Aug-17	28-Sep-17	06-Oct-17	0%	0%	-34	
A29040	Construct Manhole S2.9b & S2.9c	15	26-Aug-17	12-Sep-17	07-Oct-17	24-Oct-17	0%	0%	-34	
A29050	Lay DN750 pipe from Manholes S2.9c to S2.9b to S2.9a	6	13-Sep-17	19-Sep-17	25-Oct-17	01-Nov-17	0%	0%	-34	
A29060	Pressure Test	3	20-Sep-17	22-Sep-17	02-Nov-17	04-Nov-17	0%	0%	-34	
A29070	Backfill to existing ground level	3	23-Sep-17	26-Sep-17	06-Nov-17	08-Nov-17	0%	0%	-34	
Storm Drain DN450 suspended along Gridline J'/1'-M/1										
Storm Drain at Portion M12										
A29080	External Wall @ gridline J'/1'-6' (including Wall Finish) (	0		26-May-17		30-Jun-17	100%	0%	-28	
A29090	Install scaffolding @ M12	6	19-Sep-17	26-Sep-17	01-Nov-17	08-Nov-17	0%	0%	-34	
A29100	Install Brackets for Suspension Pipe	10	26-Sep-17	09-Oct-17	08-Nov-17	18-Nov-17	0%	0%	-34	
Storm Drain DN350 suspended along Gridline M/1-4										
Storm Drain at Portion M13										
A29160	External Wall @ Gridline M/1-4 (including Wall finish) -	0		25-Sep-17		07-Nov-17	0%	0%	-34	
A29170	Install scaffolding @ M13	6	26-Sep-17	03-Oct-17	08-Nov-17	14-Nov-17	0%	0%	-34	
Storm Drain DN250 suspended along Gridline M/4-12										
Storm Drain at Portion M14										
A29240	Coordinate with Lyrics Contractor for temporary access t	0	20-May-17		30-Jun-17*		100%	0%	-34	
A29250	External Wall @ M14 Gridline M/4-12 (including Wall fi	0		25-Sep-17		07-Nov-17	0%	0%	-34	
Storm Drain DN600 at Portion M45										
Storm Drain along Gridline D'-E'/1'-2' (MH WHC6_1c to S3.4)										
A29380	Formation and Construct MH S3.4	8	20-May-17	29-May-17	30-Jun-17	10-Jul-17	100%	0%	-34	Late access (end of Apri
Storm Drain along Gridline E'-G' / 1'-2' (MH S3.4 to S3.3 to S3.2)										
A29430	Complete B1 Slab, Columns & Walls at GL F' to H' / 1'-3'	0		19-May-17		30-Jun-17	100%	0%	-34	
A29470	Formation & Lay DN600 pipe from S3.4 to S3.3 to S3.2 (A	3	20-May-17	23-May-17	30-Jun-17	04-Jul-17	100%	0%	-34	
A29440	Formation & Construct MH S3.3 & S3.2	10	20-May-17	01-Jun-17	30-Jun-17	12-Jul-17	100%	0%	-34	
A29450	Connect DN250 pipe x 3Nos to MH S3.3	1	01-Jun-17	01-Jun-17	12-Jul-17	12-Jul-17	100%	0%	-34	
A29460	Connect DN250 pipe x 2Nos to MH S3.2	1	01-Jun-17	01-Jun-17	12-Jul-17	12-Jul-17	100%	0%	-34	
A29480	Pressure Test	3	02-Jun-17	05-Jun-17	13-Jul-17	15-Jul-17	100%	0%	-34	
A29490	Backfill trench to Ground Level	0	06-Jun-17		17-Jul-17		100%	0%	-34	
Storm Drain DN450 at Portion M01										
Storm Drain along Gridline G'-J' /1'-2 (MH S3.2 to S3.1 to S3.1b to S3.1a)										
A29540	Formation & Lay DN450 pipe from MH3.2 to S3.1a (Appr	4	06-Jun-17	09-Jun-17	17-Jul-17	20-Jul-17	100%	0%	-34	
A29500	Formation & Construct MH S3.1, S3.1b & S3.1a	15	06-Jun-17	22-Jun-17	17-Jul-17	02-Aug-17	100%	0%	-34	
A29510	Connect DN200 pipe to MH S3.1	1	22-Jun-17	22-Jun-17	02-Aug-17	02-Aug-17	100%	0%	-34	



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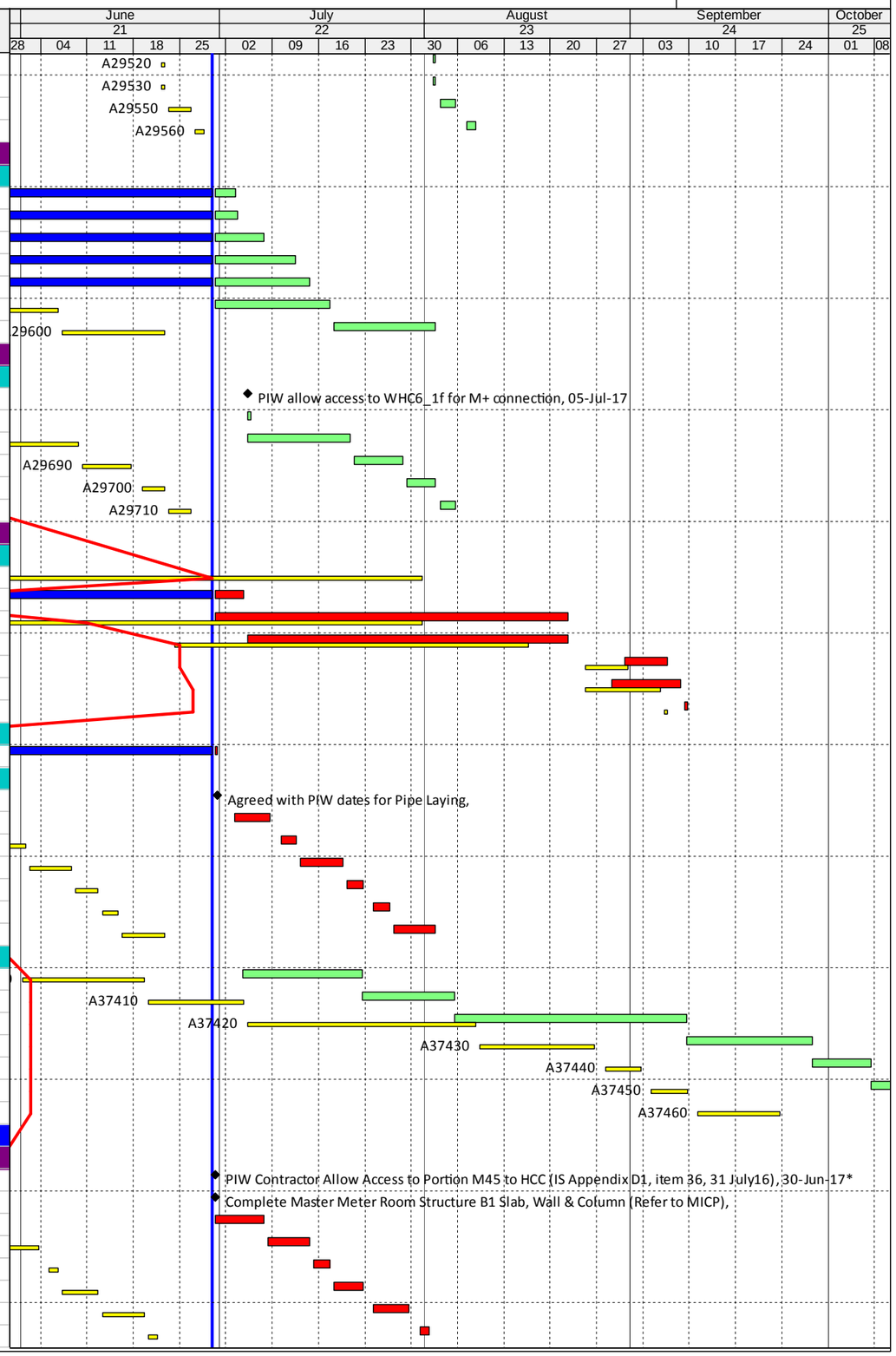
Layout Name: 01) CMWP - 3MRP (Template)
File Name: Three Months Rolling Programme 3MRP - Mth21 (30 June 2017)

Three Months Rolling Programme (3MRP) - Mth 21 - 30 June 2017

Activity ID	Activity Name	CMWP Dur.	CMWP - R0.D5 Start	CMWP -R0.D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	Comments / Mitigating Measures
A29520	Connect DN200 pipe to MH S3.1b	1	22-Jun-17	22-Jun-17	02-Aug-17	02-Aug-17	100%	0%	-34	
A29530	Connect DN300 & DN400 pipe to MH S3.1a	1	22-Jun-17	22-Jun-17	02-Aug-17	02-Aug-17	100%	0%	-34	
A29550	Pressure Test	3	23-Jun-17	26-Jun-17	03-Aug-17	05-Aug-17	100%	0%	-34	
A29560	Backfill trench to Ground Level	2	27-Jun-17	28-Jun-17	07-Aug-17	08-Aug-17	100%	0%	-34	
Storm Drain DN375 at Portion M45										
Storm Drain along Gridline A-K' / 5' (S1.1 to S1.2 to WHC6_1e)										
A29640	Pressure Test	29	16-Nov-16	19-Dec-16	16-Nov-16	03-Jul-17	100%	94.74%	-154	
A29650	Backfill and reinstate pavement	24	22-Nov-16	19-Dec-16	22-Nov-16	03-Jul-17	100%	91.67%	-154	
A29620	Construct Manhole S1.1 & S1.2	41	07-Nov-16	23-Dec-16	07-Nov-16	07-Jul-17	100%	85.37%	-154	
A29630	Lay down DN375 pipe between WHC6_1e to S1.1 to S1.	40	12-Nov-16	30-Dec-16	12-Nov-16	12-Jul-17	100%	75.76%	-154	
A29610	Excavate trench for DN375 and install shoring	50	03-Nov-16	03-Jan-17	03-Nov-16	14-Jul-17	100%	76%	-154	
A29590	Excavate Trial Trench for existing Underground Utilities	14	20-May-17	06-Jun-17	30-Jun-17	17-Jul-17	100%	0%	-34	
A29600	Install support to exisiting underground Utilities	14	07-Jun-17	22-Jun-17	18-Jul-17	02-Aug-17	100%	0%	-34	
Storm Drain DN150 at Portion M04										
Storm Drain for MH WHC6_1f										
A29660	PIW allow access to WHC6_1f for M+ connection	0	24-May-17		05-Jul-17		100%	0%	-34	
A29670	Fence off work area for DN150 storm drain excavation	1	24-May-17	24-May-17	05-Jul-17	05-Jul-17	100%	0%	-34	Gully construction is no
A29680	Excavate Trial Trench fo exisiting Underground Utilities	14	24-May-17	09-Jun-17	05-Jul-17	20-Jul-17	100%	0%	-34	
A29690	Excavate trench for DN150 and install shoring	7	10-Jun-17	17-Jun-17	21-Jul-17	28-Jul-17	100%	0%	-34	
A29700	Lay down DN150 and connect to WHC6_1f (approx. 11m)	4	19-Jun-17	22-Jun-17	29-Jul-17	02-Aug-17	100%	0%	-34	
A29710	Backfill and reinstate pavement	3	23-Jun-17	26-Jun-17	03-Aug-17	05-Aug-17	100%	0%	-34	
Storm Drain DN300 at Portion M44 (MH6_2a.1 to DM65)										
Grd Lvl - Storm / Drainage Connection (Outside SPS)										
A37270	Sewerage - Install 2x200 dia Raising Main Pipes & Testing	60	20-May-17	31-Jul-17	11-Apr-17	20-Apr-17 A	56.67%	100%	84	
A37250	Sewerage - Construct 5x Manholes	60	13-Feb-17	27-Apr-17	13-Feb-17	04-Jul-17	100%	95%	-54	Late access due to the o
A37260	Sewerage - Install 450 / 300 Storm Drainage Pipes & Tes	60	20-May-17	31-Jul-17	30-Jun-17	22-Aug-17	56.67%	0%	-19	
A37280	Connect to Existing Storm Manholes & Backfill	45	24-Jun-17	16-Aug-17	05-Jul-17	22-Aug-17	11.11%	0%	-5	
A37300	Inform DSD for Inspection of Storm Drain	6	25-Aug-17	31-Aug-17	31-Aug-17	06-Sep-17	0%	0%	-5	
A37290	Completed Storm Drain + Report	10	25-Aug-17	05-Sep-17	29-Aug-17	08-Sep-17	0%	0%	-3	
A37310	DSD Inspection	1	06-Sep-17	06-Sep-17	09-Sep-17	09-Sep-17	0%	0%	-3	
Adjacent SPS to Center of At Grade Road										
A29790	Backfill, Extract Sheet Piles and Reinstate Pavement	6	03-Mar-17	09-Mar-17	03-Mar-17	30-Jun-17	100%	83.33%	-90	
Center of At Grade Road to MH_2a.1										
A38025	Agreed with PIW dates for Pipe Laying	0		20-May-17		30-Jun-17*	100%	0%	-34	
A38030	Excavate trial trench for existing underground utilities	6	22-May-17	27-May-17	03-Jul-17	08-Jul-17	100%	0%	-34	
A38040	Drive In Sheet Piles	3	29-May-17	01-Jun-17	10-Jul-17	12-Jul-17	100%	0%	-34	
A38050	Excavate to invert level and install struts	6	02-Jun-17	08-Jun-17	13-Jul-17	19-Jul-17	100%	0%	-34	
A38060	Laydown DN300 between MH6_2a.1 to Center of at Gra	3	09-Jun-17	12-Jun-17	20-Jul-17	22-Jul-17	100%	0%	-34	
A38070	Pressure Test	3	13-Jun-17	15-Jun-17	24-Jul-17	26-Jul-17	100%	0%	-34	
A38080	Backfill, Extract Sheet Piles and Reinstate Pavement	6	16-Jun-17	22-Jun-17	27-Jul-17	02-Aug-17	100%	0%	-34	
Grd Lvl - External Storm Drainage Connection										
A37400	Storm drain Excavation Adjacent Main Road GL 5a-10a /	16	01-Jun-17	19-Jun-17	04-Jul-17	22-Jul-17	100%	0%	-28	
A37410	Construct Storm Water Manholes (SMH-01 & 02)	12	20-Jun-17	04-Jul-17	22-Jul-17	05-Aug-17	75%	0%	-28	
A37420	Install Storm Drain Pipes & Testing	30	05-Jul-17	08-Aug-17	05-Aug-17	09-Sep-17	0%	0%	-28	
A37430	Connect to Existing Storm Manholes & Backfill	16	09-Aug-17	26-Aug-17	09-Sep-17	28-Sep-17	0%	0%	-28	
A37440	Completed Storm Drain + Report	6	28-Aug-17	02-Sep-17	28-Sep-17	07-Oct-17	0%	0%	-28	
A37450	Inform DSD for Inspection	6	04-Sep-17	09-Sep-17	07-Oct-17	14-Oct-17	0%	0%	-28	
A37460	DSD Inspection & Acceptance Test	12	11-Sep-17	23-Sep-17	14-Oct-17	30-Oct-17	0%	0%	-28	
WSD										
Water Main Works at Portion M01 (Refer to M+ MEP Programme)										
A29800	PIW Contractor Allow Access to Portion M45 to HCC (IS A	0	20-May-17		30-Jun-17*		100%	0%	-34	
A29810	Complete Master Meter Room Structure B1 Slab, Wall &	0		19-May-17		30-Jun-17*	100%	0%	-34	
A29820	Remove existing hoarding fixed to Sheet pile	6	20-May-17	26-May-17	30-Jun-17	07-Jul-17	100%	0%	-34	
A29830	Install a new hoarding with 500mm clearance from roac	6	27-May-17	03-Jun-17	08-Jul-17	14-Jul-17	100%	0%	-34	
A29840	Excavate Trench in footway to expose PIW watermains &	2	05-Jun-17	06-Jun-17	15-Jul-17	17-Jul-17	100%	0%	-34	
A29850	Lay 2Nos of DN150 DI Fresh Water Pipe & 1 No of DN10	5	07-Jun-17	12-Jun-17	18-Jul-17	22-Jul-17	100%	0%	-34	
A29860	Pressure test (By PIW Contractor)	6	13-Jun-17	19-Jun-17	24-Jul-17	29-Jul-17	100%	0%	-34	
A29870	Remove the Blank Flanges & Make Final Connection	2	20-Jun-17	21-Jun-17	31-Jul-17	01-Aug-17	100%	0%	-34	



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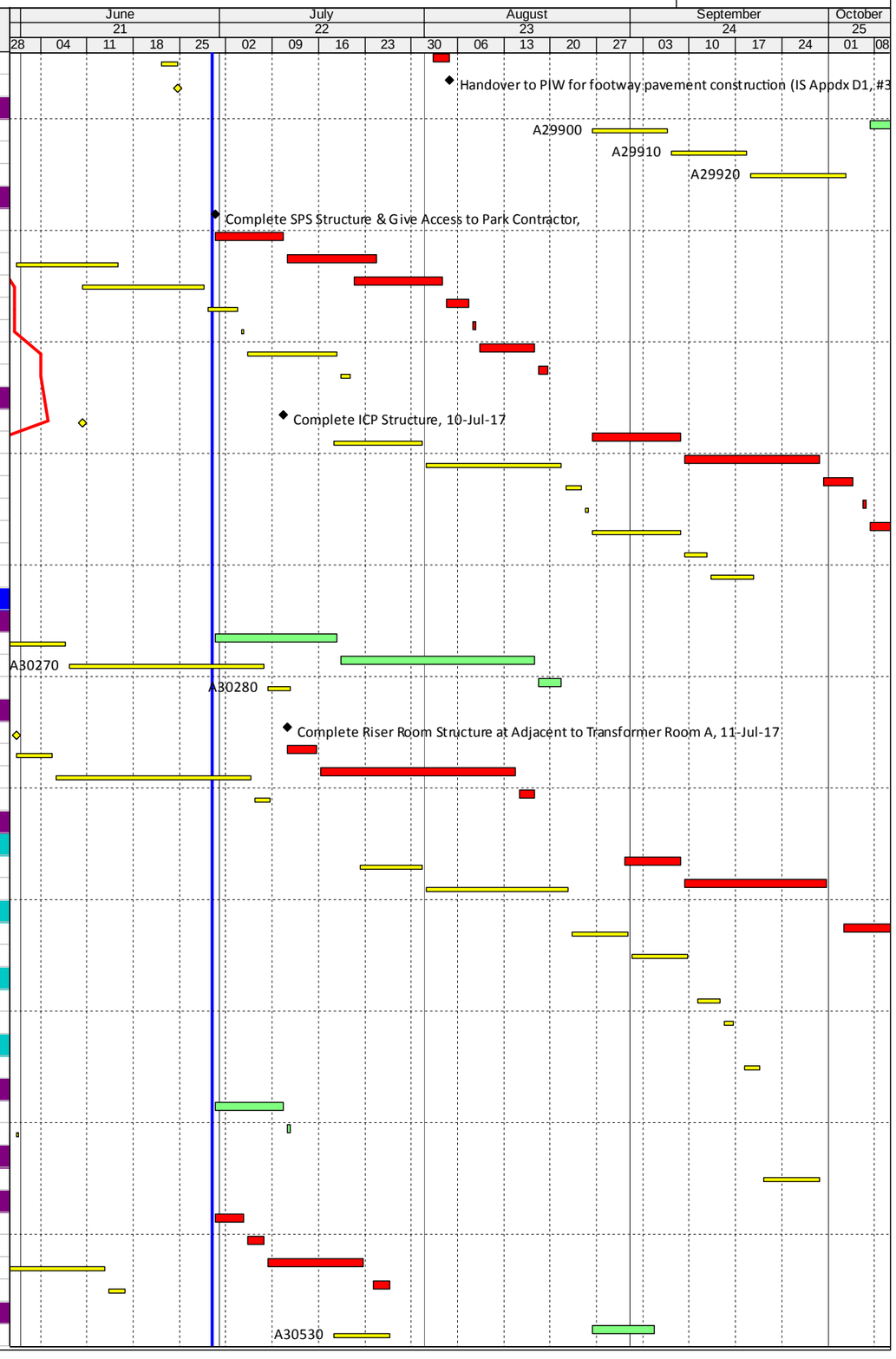
Three Months Rolling Programme (3MRP) - Mth 21 - 30 June 2017

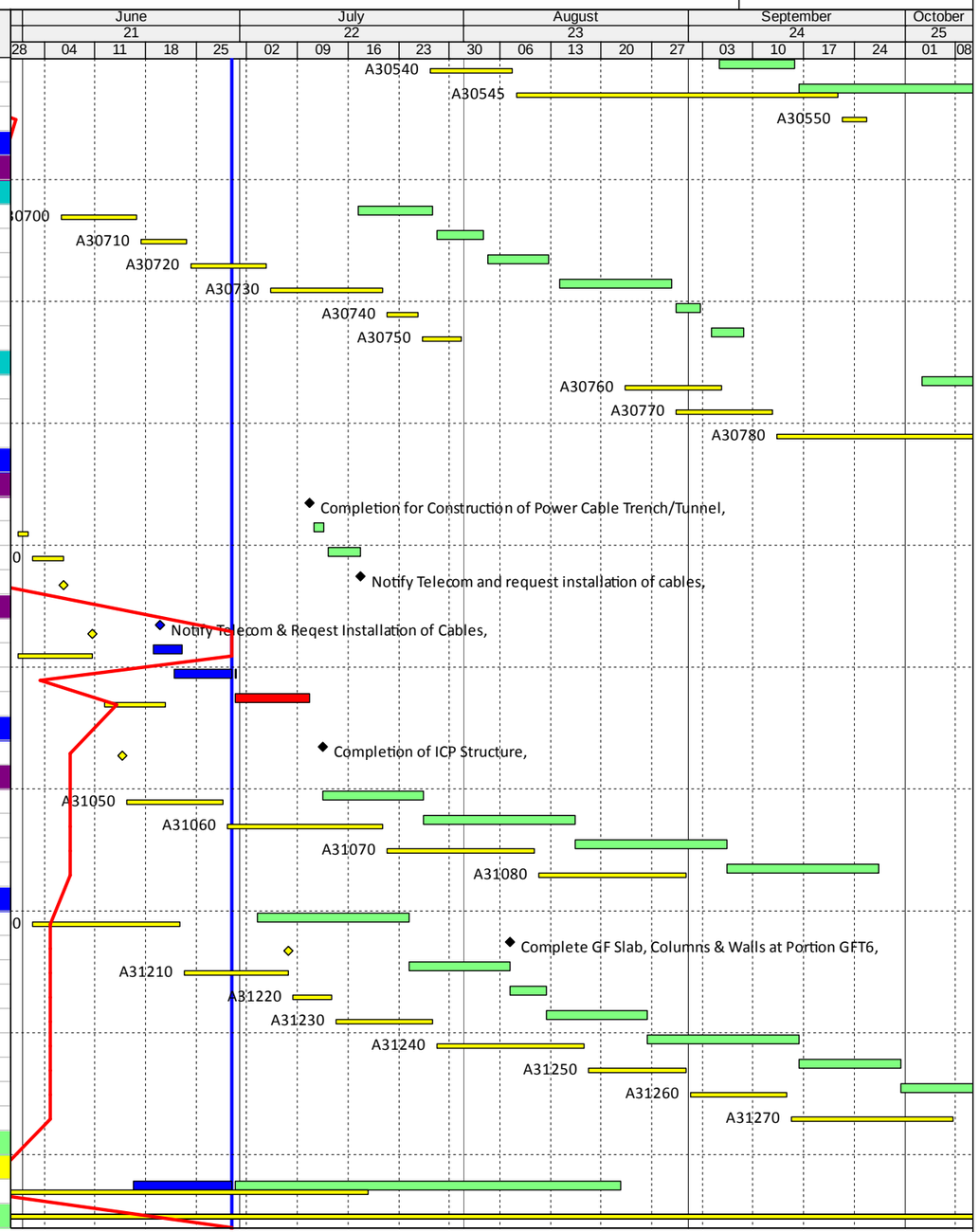
Activity ID	Activity Name	CMWP Dur.	CMWP - R0.D5 Start	CMWP -R0.D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	Comments / Mitigating Measures
A29880	Backfill & Reinstate to Ground Level	3	22-Jun-17	24-Jun-17	02-Aug-17	04-Aug-17*	100%	0%	-34	
A29890	Handover to PIW for footway pavement construction (IS	0		24-Jun-17		04-Aug-17*	100%	0%	-34	
Water Main Works at Portion M17										
A29900	Open Cut Excavation for DN200 pipe along gridline G/13	10	26-Aug-17	06-Sep-17	07-Oct-17	18-Oct-17	0%	0%	-34	
A29910	Lay down and install DN200 pipe	10	07-Sep-17	18-Sep-17	19-Oct-17	31-Oct-17	0%	0%	-34	
A29920	Construct M+ Street Fire Hydrant & FS Pipe at gridline E-	12	19-Sep-17	03-Oct-17	01-Nov-17	14-Nov-17	0%	0%	-34	
SPS External - Grd Lvl - Watermain (Outside SPS) to PIW										
A30040	Complete SPS Structure & Give Access to Park Contracto	0		19-May-17		30-Jun-17	100%	0%	-34	
A30050	Excavation Across Main Road From SPS Site to PIW Main	8	20-May-17	29-May-17	30-Jun-17	10-Jul-17	100%	0%	-34	
A30060	Construct Valve Pit	14	31-May-17	15-Jun-17	11-Jul-17	24-Jul-17	100%	0%	-32	
A30070	Install Pipeworks (FW, CW & FS Water Main)	16	10-Jun-17	28-Jun-17	21-Jul-17	03-Aug-17	100%	0%	-30	
A30080	Pressure Test	3	29-Jun-17	03-Jul-17	04-Aug-17	07-Aug-17	33.33%	0%	-30	
A30090	Swabbing Test	1	04-Jul-17	04-Jul-17	08-Aug-17	08-Aug-17	0%	0%	-30	
A30110	Lab Test	12	05-Jul-17	18-Jul-17	09-Aug-17	17-Aug-17	0%	0%	-26	
A30120	Watermain Final Connection	2	19-Jul-17	20-Jul-17	18-Aug-17	19-Aug-17	0%	0%	-26	
ICP External - Grd Lvl - External Watermain Connection to PIW										
A30140	Complete ICP Structure	0	10-Jun-17		10-Jul-17		100%	0%	-25	
A30150	Pipeworks Excavation at Main Road From ICP Site to PIW	12	18-Jul-17	31-Jul-17	26-Aug-17	08-Sep-17	0%	0%	-34	
A30160	Install Pipeworks (FW, CW & FS Water Main) (Approx.18	18	01-Aug-17	21-Aug-17	09-Sep-17	29-Sep-17	0%	0%	-34	
A30170	Pressure Test	3	22-Aug-17	24-Aug-17	30-Sep-17	04-Oct-17	0%	0%	-34	
A30180	Swabbing Test	1	25-Aug-17	25-Aug-17	06-Oct-17	06-Oct-17	0%	0%	-34	
A30190	Lab Test	12	26-Aug-17	08-Sep-17	07-Oct-17	20-Oct-17	0%	0%	-34	
A30200	Watermain Final Connection	3	09-Sep-17	12-Sep-17	21-Oct-17	24-Oct-17	0%	0%	-34	
A30220	Backfill to Ground Level	6	13-Sep-17	19-Sep-17	25-Oct-17	01-Nov-17	0%	0%	-34	
Power										
Power Cable 11kV at Footpath adjacent to Entrance Portal (Interface with PIW)										
A30260	Excavate trench in footway for the 11kV direct buried ca	15	20-May-17	07-Jun-17	30-Jun-17*	18-Jul-17	100%	0%	-34	
A30270	Lay Lead-in Cable (by CLP) & Inspection	30	08-Jun-17	07-Jul-17	19-Jul-17	17-Aug-17	73.33%	0%	-41	
A30280	Backfilling footway to adjacent ground level	3	08-Jul-17	11-Jul-17	18-Aug-17	21-Aug-17	0%	0%	-35	
Power Cable 11Kv at Gridline A / 1- 3										
A30290	Complete Riser Room Structure at Adjacent to Transforn	0	31-May-17		11-Jul-17		100%	0%	-34	
A30300	Construct 2600mm x 1500mm cable trench & Install Cat	5	31-May-17	05-Jun-17	11-Jul-17	15-Jul-17	100%	0%	-34	
A30310	Lay Lead-in Cable (by CLP) & connect to district-wide sys	30	06-Jun-17	05-Jul-17	16-Jul-17	14-Aug-17	80%	0%	-40	
A30320	Backfilling	3	06-Jul-17	08-Jul-17	15-Aug-17	17-Aug-17	0%	0%	-34	
Power Cable 11Kv at Gridline A / 3-14										
Construction at Drawpit E1 to Drawpit E2										
A30330	Construct Drawpits E1 & E2	8	22-Jul-17	31-Jul-17	31-Aug-17	08-Sep-17	0%	0%	-34	
A30340	Construct Cable Tunnel from Drawpits E1 to E2 & Install	19	01-Aug-17	22-Aug-17	09-Sep-17	30-Sep-17	0%	0%	-34	
Construction at Drawpit E2 to E3 to E4										
A30350	Construct Drawpit E3 & E4	8	23-Aug-17	31-Aug-17	03-Oct-17	12-Oct-17	0%	0%	-34	
A30360	Construct Cable Tunnel from Drawpits E2 to E4 & Install	8	01-Sep-17	09-Sep-17	13-Oct-17	21-Oct-17	0%	0%	-34	
Construction at Drawpit E4 to E5										
A30370	Construct Drawpit E5	4	11-Sep-17	14-Sep-17	23-Oct-17	26-Oct-17	0%	0%	-34	
A30380	Construct Cable Trench & Install Cable Ducts (Approx 6m	2	15-Sep-17	16-Sep-17	27-Oct-17	30-Oct-17	0%	0%	-34	
Inspection & Testing										
A30390	Test & Inspection	3	18-Sep-17	20-Sep-17	31-Oct-17	02-Nov-17	0%	0%	-34	
Power Cable 11Kv at Gridline A-C / 14										
A30400	Construct Cable Trench & Install Cable Ducts (Approx 43	8	20-May-17	29-May-17	30-Jun-17*	10-Jul-17	100%	0%	-34	
A30410	Tests & inspection	1	31-May-17	31-May-17	11-Jul-17	11-Jul-17	100%	0%	-34	
Power Cable 11kv at Gridline C-M / 14										
A30420	Construct Drawpits E6 & E7	8	21-Sep-17	29-Sep-17	03-Nov-17	11-Nov-17	0%	0%	-34	
SPS External Power Cable Trench For CLP Lead In										
A30560	Excavate trench	3	23-May-17	25-May-17	30-Jun-17	04-Jul-17	100%	0%	-32	
A30570	Install 6 Nos of DN200 Cable Duct	3	26-May-17	29-May-17	05-Jul-17	07-Jul-17	100%	0%	-32	
A30580	Lay power Lead-in for SPS & Inspection (by CLP)	15	30-May-17	13-Jun-17	08-Jul-17	22-Jul-17	100%	0%	-39	
A30590	Backfill & Reinstate Pavement	3	14-Jun-17	16-Jun-17	24-Jul-17	26-Jul-17	100%	0%	-33	
ICP External Power Cable Trench For CLP Lead In										
A30530	Construct 2 Nos of Drawpit at the ICP Entrance	8	18-Jul-17	26-Jul-17	26-Aug-17	04-Sep-17	0%	0%	-34	



Data Date: 30-Jun-17
Layout Name: 01) CMWP - 3MRP (Template)
File Name: Three Months Rolling Programme 3MRP - Mth21 (30 June 2017)

Three Months Rolling Programme (3MRP) - Mth 21 - 30 June 2017

Activity ID	Activity Name	CMWP Dur.	CMWP - R0.D5 Start	CMWP -R0.D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	Comments / Mitigating Measures
A30540	Install 10x200 Dia. GI Duct In 2 Layers & 1x100Dia Duct v	10	27-Jul-17	07-Aug-17	05-Sep-17	15-Sep-17	0%	0%	-34	
A30545	Lay power Lead-in for ICP & Inspection (by CLP)	45	08-Aug-17	21-Sep-17	16-Sep-17	30-Oct-17	0%	0%	-39	
A30550	Backfill to Ground Level	3	22-Sep-17	25-Sep-17	31-Oct-17	02-Nov-17	0%	0%	-30	
Gas										
Gas Main at Portion M01										
Gas Main RDE connection along Gridline E' - I' / 1'										
A30700	Trial Trench for Underground Utilities	10	06-Jun-17	16-Jun-17	17-Jul-17	27-Jul-17	100%	0%	-34	
A30710	Install support for existing Underground Utilities	6	17-Jun-17	23-Jun-17	28-Jul-17	03-Aug-17	100%	0%	-34	
A30720	Excavate Trench for Main Gas 100mm and install shoring	8	24-Jun-17	04-Jul-17	04-Aug-17	12-Aug-17	62.5%	0%	-34	
A30730	Lay down Main Gas 100mm (by Towngas Specialist Cont	14	05-Jul-17	20-Jul-17	14-Aug-17	29-Aug-17	0%	0%	-34	
A30740	Backfill Trench to Ground Level	4	21-Jul-17	25-Jul-17	30-Aug-17	02-Sep-17	0%	0%	-34	
A30750	Testing and Inspection	5	26-Jul-17	31-Jul-17	04-Sep-17	08-Sep-17	0%	0%	-34	
Gas Main M+ along Gridline 2-9/A										
A30760	Excavate Trench for Main Gas and install shoring	12	23-Aug-17	05-Sep-17	03-Oct-17	17-Oct-17	0%	0%	-34	
A30770	Construct and Lay down 350x350mm concrete pipe ben	12	30-Aug-17	12-Sep-17	11-Oct-17	24-Oct-17	0%	0%	-34	
A30780	Lay down and install DN100 gas main (by Towngas Speci	28	13-Sep-17	17-Oct-17	25-Oct-17	27-Nov-17	0%	0%	-34	
Telecom/ICT/FTNS										
Telecom @ Gridline A-C/14										
A30850	Completion for Construction of Power Cable Trench/Tun	0		29-May-17		10-Jul-17	100%	0%	-34	
A30860	Lay 28Nos of DN100 Ducting @ A-C/14 (Approx. 30m)	2	31-May-17	01-Jun-17	11-Jul-17	12-Jul-17	100%	0%	-34	
A30870	Construct 1# 28 DN100 FTNS drawpit @ gridline A-C/14	4	02-Jun-17	06-Jun-17	13-Jul-17	17-Jul-17	100%	0%	-34	
A30880	Notify Telecom and request installation of cables	0		06-Jun-17		17-Jul-17	100%	0%	-34	
SPS FTNS Lead In										
A32070	Notify Telecom & Reqest Installation of Cables	0		10-Jun-17		20-Jun-17 A	100%	100%	-7	
A31620	Construct 2# 1DN100 FTNS Drawpit	10	31-May-17	10-Jun-17	19-Jun-17	23-Jun-17 A	100%	100%	-10	
A31560	Lay FTNS Ducting (Approx 19m)	3	26-May-17	29-May-17	22-Jun-17	30-Jun-17	100%	80%	-27	
A32075	Installation of FTNS Cables (by Telecom)	8	12-Jun-17	20-Jun-17	30-Jun-17	10-Jul-17	100%	0%	-16	
Backfilling and EVA										
A31040	Completion of ICP Structure	0		14-Jun-17		12-Jul-17	100%	0%	-22	
Backfilling										
A31050	Backfilling to +6.50mPD	12	15-Jun-17	28-Jun-17	12-Jul-17	26-Jul-17	100%	0%	-22	
A31060	Backfilling to +8.50mPD	18	29-Jun-17	20-Jul-17	26-Jul-17	16-Aug-17	5.56%	0%	-22	
A31070	Backfilling to +10.50mPD	18	21-Jul-17	10-Aug-17	16-Aug-17	06-Sep-17	0%	0%	-22	
A31080	Backfilling to +12.70mPD	18	11-Aug-17	31-Aug-17	06-Sep-17	27-Sep-17	0%	0%	-22	
Fuel Tank										
A31200	Prepare & Submit Method Statement for Fuel Tank Cons	18	02-Jun-17	22-Jun-17	03-Jul-17	24-Jul-17	100%	0%	-25	
A31190	Complete GF Slab, Columns & Walls at Portion GFT6	0		07-Jul-17		07-Aug-17	0%	0%	-25	
A31210	RSS Review & Approve Method Statement for Fuel Tank	12	23-Jun-17	07-Jul-17	24-Jul-17	07-Aug-17	50%	0%	-25	
A31220	Remove Hoarding fixed to sheetpile at Portion M04	5	08-Jul-17	13-Jul-17	07-Aug-17	12-Aug-17	0%	0%	-25	
A31230	Install Hoarding on road-side edge of footway (500mm (	12	14-Jul-17	27-Jul-17	12-Aug-17	26-Aug-17	0%	0%	-25	
A31240	Cut down sheet pile to underside of footway pavement	18	28-Jul-17	17-Aug-17	26-Aug-17	16-Sep-17	0%	0%	-25	
A31250	Excavate to Base Slab & Wall of Fuel Tank	12	18-Aug-17	31-Aug-17	16-Sep-17	30-Sep-17	0%	0%	-25	
A31260	Construct Bottom Level of Fuel Oil Storage Tank	12	01-Sep-17	14-Sep-17	30-Sep-17	17-Oct-17	0%	0%	-25	
A31270	Mechanical Fitting	18	15-Sep-17	07-Oct-17	17-Oct-17	08-Nov-17	0%	0%	-25	
M+ Statutory Inspection, OP & PC										
EPD Genset										
A55510	EPD Submission for GENSET Exhaust Flue	60	20-May-17	18-Jul-17	16-Jun-17	22-Aug-17	68.33%	10%	-35	
Contractor's Summary Works Programme										

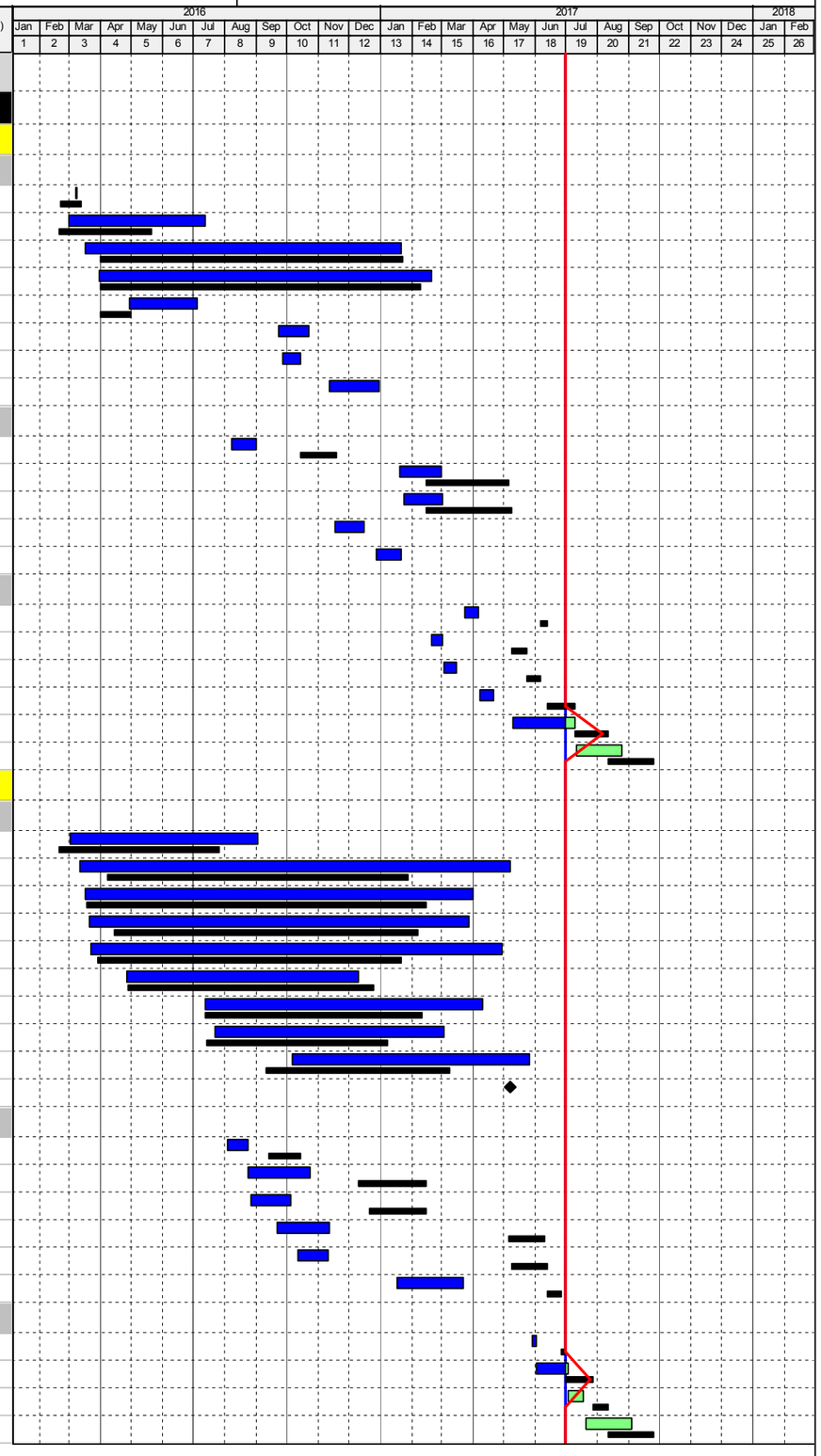


Lyric Theatre Complex

CONTRACT NO: CC/2015/3A/014

SUMMARY PROGRAMME PROGRESS AS OF 30-JUN-2017

Activity ID	Activity Name	Durn. (Days)	Programme Rev A Start	Programme Rev A Finish	Current / Actual Start	Current / Actual Finish	Physical % Complete	Finish Variance	Float (Days)
F2 Foundation Works for Lyric Theatre Complex									
Summary for Major Works									
Pre-bored H-Pile									
Pre-bored H-Pile Construction									
LT.0087	Trial Pile and Obtain BD's Acknowledgement	18	22-Feb-16	12-Mar-16	08-Mar-16 A	09-Mar-16 A	100%	4	
LT.0088	Predrilling, Excluding Portions L02 and L03; 56 nos.	71	20-Feb-16	20-May-16	01-Mar-16 A	13-Jul-16 A	100%	-43	
LT.0089	Pre-bored H-Pile Construction; Rig 1, 104 nos	243	01-Apr-16	21-Jan-17	17-Mar-16 A	21-Jan-17 A	100%	1	
LT.2225	Pre-bored H-Pile Construction; Rig 2, 99 nos	255	01-Apr-16	08-Feb-17	30-Mar-16 A	20-Feb-17 A	100%	-9	
LT.2226	Pre-bored H-Pile Construction; Rig 3, 25 nos	25	01-Apr-16	30-Apr-16	30-Apr-16 A	05-Jul-16 A	100%	-51	
LT.3315	Pre-bored H-Pile Construction; Rig 3, 8 nos	24			23-Sep-16 A	22-Oct-16 A	100%		
LT.3340	Pre-bored H-Pile Construction; Rig 4, 6 nos	13			27-Sep-16 A	14-Oct-16 A	100%		
LT.3370	Pre-bored H-Pile Construction; Rig 3, 19 nos	40			11-Nov-16 A	30-Dec-16 A	100%		
Contract Administrator's Instruction No. 8									
LT.3010	Predrilling in Portions L02 and L03; 14 nos.	30	14-Oct-16	17-Nov-16	08-Aug-16 A	01-Sep-16 A	100%	64	
LT.3015	Pre-bored H-Pile Construction; Rig 1, 21 nos	65	14-Feb-17	06-May-17	20-Jan-17 A	01-Mar-17 A	100%	52	
LT.3020	Pre-bored H-Pile Construction; Rig 2, 16 nos	67	14-Feb-17	09-May-17	24-Jan-17 A	02-Mar-17 A	100%	53	
LT.3390	Pre-bored H-Pile Construction; Rig 4, 16 nos	25			17-Nov-16 A	16-Dec-16 A	100%		
LT.3750	Pre-bored H-Pile Construction; Rig 3, 10 nos	25			28-Dec-16 A	21-Jan-17 A	100%		
BA14 and Testing									
LT.0094	Submission of BA14	6	06-Jun-17	12-Jun-17	24-Mar-17 A	07-Apr-17 A	100%	67	
LT.0095	CA's Selection of Proof Drilling Locations	14	09-May-17	23-May-17	20-Feb-17 A	03-Mar-17 A	100%	82	
LT.0096	Proof Drilling	14	23-May-17	06-Jun-17	04-Mar-17 A	16-Mar-17 A	100%	83	
LT.0097	BD's Selection of Test Piles	28	12-Jun-17	10-Jul-17	08-Apr-17 A	21-Apr-17 A	100%	81	
LT.0098	Load Testing and Submit Reports	32	10-Jul-17	11-Aug-17	10-May-17 A	10-Jul-17	83%	32	33
LT.0099	BD's Acknowledgement	45	11-Aug-17	25-Sep-17	11-Jul-17	24-Aug-17	0%	32	50
Bored Pile									
Bored Pile Construction									
LT.0102	Predrilling, Excluding Portions L02 and L03; 145 nos.	125	20-Feb-16	25-Jul-16	02-Mar-16 A	02-Sep-16 A	100%	-33	
LT.0103	Bored Pile Construction; RCD Rig 1, 32 nos.	244	07-Apr-16	27-Jan-17	12-Mar-16 A	08-May-17 A	100%	-76	
LT.1895	Bored Pile Construction; RCD Rig 2, 29 nos.	268	18-Mar-16	13-Feb-17	17-Mar-16 A	01-Apr-17 A	100%	-40	
LT.1905	Bored Pile Construction; RCD Rig 3, 25 nos.	243	14-Apr-16	06-Feb-17	21-Mar-16 A	28-Mar-17 A	100%	-43	
LT.1915	Bored Pile Construction; RCD Rig 4, 26 nos. (Including 1 no. under CAI 017)	245	29-Mar-16	20-Jan-17	23-Mar-16 A	29-Apr-17 A	100%	-77	
LT.1925	Bored Pile Construction; RCD Rig 5, 15 nos.	200	28-Apr-16	24-Dec-16	26-Apr-16 A	10-Dec-16 A	100%	13	
LT.1935	Bored Pile Construction; RCD Rig 6, 12 nos. (Including 4 nos. under CAI 017)	175	12-Jul-16	10-Feb-17	13-Jul-16 A	10-Apr-17 A	100%	-48	
LT.1945	Bored Pile Construction; RCD Rig 7, 12 nos. (Including 1 no. under CAI 023)	146	14-Jul-16	06-Jan-17	22-Jul-16 A	04-Mar-17 A	100%	-45	
LT.2215	Sonic Logging and Interface Coring Test; Excluding Portions L02 and L03	145	10-Sep-16	08-Mar-17	06-Oct-16 A	26-May-17 A	100%	-61	
LT.3260	Completion of Bored Pile Construction in Area 6	0				08-May-17 A	100%		
Contract Administrator's Instruction No. 8									
LT.2891	Predrilling in Portions L02 and L03; 11 nos.	24	13-Sep-16	13-Oct-16	03-Aug-16 A	24-Aug-16 A	100%	41	
LT.2895	Bored Pile Construction; RCD Rig 4, 4 nos.	51	10-Dec-16	14-Feb-17	24-Aug-16 A	24-Oct-16 A	100%	92	
LT.2905	Bored Pile Construction; RCD Rig 1, 3 nos.	43	20-Dec-16	14-Feb-17	27-Aug-16 A	04-Oct-16 A	100%	108	
LT.2915	Bored Pile Construction; RCD Rig 4, 2 nos.	30	06-May-17	10-Jun-17	21-Sep-16 A	12-Nov-16 A	100%	168	
LT.2925	Bored Pile Construction; RCD Rig 1, 2 nos.	29	09-May-17	12-Jun-17	11-Oct-16 A	10-Nov-16 A	100%	171	
LT.2935	Sonic Logging and Interface Coring Test; Portions L02 and L03	12	13-Jun-17	26-Jun-17	17-Jan-17 A	23-Mar-17 A	100%	75	
BA14 and Testing									
LT.0108	Submission of BA14	3	27-Jun-17	29-Jun-17	29-May-17 A	02-Jun-17 A	100%	24	
LT.0109	BD's Selection of Test Piles	28	30-Jun-17	27-Jul-17	03-Jun-17 A	03-Jul-17	90%	24	25
LT.0110	Concrete Coring Test and Submit Reports	13	27-Jul-17	11-Aug-17	03-Jul-17	18-Jul-17	0%	21	22
LT.0111	BD's Acknowledgement	45	12-Aug-17	25-Sep-17	21-Jul-17	03-Sep-17	0%	22	40



Secondary Baseline
Actual Work
Remaining Work
Critical Remaining Work
Milestone

WEST KOWLOON CULTURAL DISTRICT AUTHORITY
FOUNDATION WORKS FOR LYRIC THEATRE COMPLEX
AND THE EXTENDED BASEMENT IN ZONE 3B
SUMAMRY PROGRAMME BASED ON
CONSTRUCTION WORKS PROGRAMME - REV. "A"

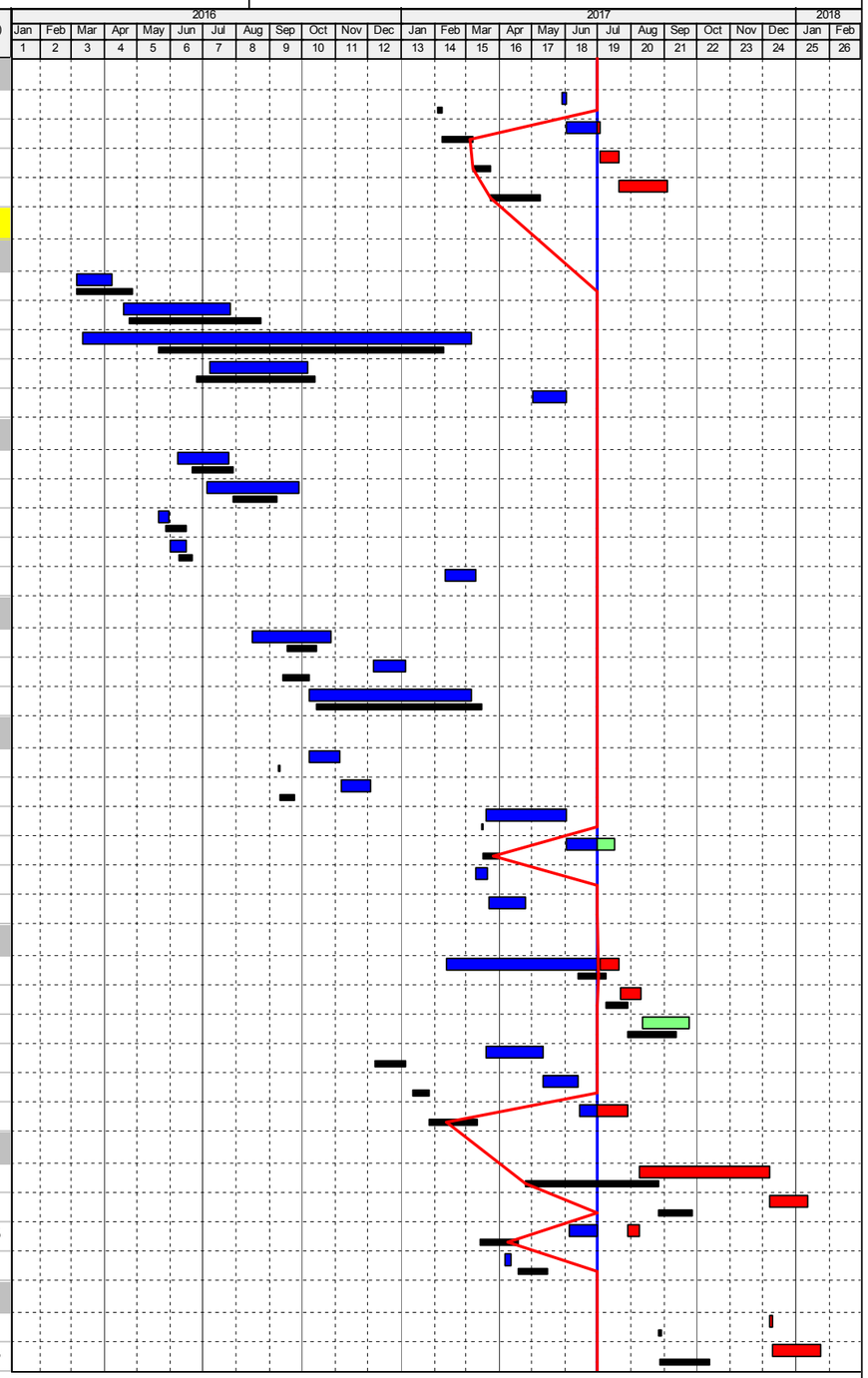
Gammon

Date	Revision	Checked	Approved
30-Jun-17	For Information	R.L.	K.K.

CONTRACT NO: CC/2015/3A/014

SUMMARY PROGRAMME PROGRESS AS OF 30-JUN-2017

Activity ID	Activity Name	Durn. (Days)	Programme Rev A Start	Programme Rev A Finish	Current / Actual Start	Current / Actual Finish	Physical % Complete	Finish Variance	Float (Days)
BA14 and Testing at Area 6 if Option is Exercised									
LT.0113	Submission of BA14	3	03-Feb-17	07-Feb-17	29-May-17 A	02-Jun-17 A	100%	-92	
LT.0114	BD's Selection of Test Piles	28	07-Feb-17	07-Mar-17	03-Jun-17 A	03-Jul-17	90%	-119	-89
LT.0115	Concrete Coring Test and Submit Reports	15	07-Mar-17	24-Mar-17	03-Jul-17	20-Jul-17	0%	-94	-69
LT.3110	BD's Acknowledgement	45	24-Mar-17	08-May-17	21-Jul-17	03-Sep-17	0%	-119	-22
Excavation and Lateral Support									
Pipe Pile in Areas 1 to 5									
LT.0120	Pre-grouting Works at Seawall Area; Portions M15, M16, L01 and L16	40	05-Mar-16	26-Apr-16	05-Mar-16 A	08-Apr-16 A	100%	16	
LT.0121	Pre-grouting Works at Portions L05, L07, M14b and M12	101	23-Apr-16	23-Aug-16	18-Apr-16 A	26-Jul-16 A	100%	25	
LT.0122	Pipe Pile and Grout Curtain; Portions L04, L05, L14, L24, M14 and M14b (PP 441 nos and CPP 3 nos.	215	21-May-16	08-Feb-17	12-Mar-16 A	07-Mar-17 A	100%	-22	
LT.3030	Clutched Pipe Pile and Grout Curtain; Portions M14a, L16 and L01 (CPP 82 nos.)	89	25-Jun-16	12-Oct-16	07-Jul-16 A	06-Oct-16 A	100%	4	
LT.3840	Plugging & Removal of Abandoned CRGO Cooling Main and Installation of Pipe Piles and Grout Curtai	26			02-May-17 A	02-Jun-17 A	100%		
Sheet Pile in Area 6									
LT.0124	Sheet Piles Installation in Portion L06; 1,472m2	32	21-Jun-16	28-Jul-16	07-Jun-16 A	25-Jul-16 A	100%	4	
LT.2945	Sheet Piles Installation in Portions L07 and M12; 1,640m2	35	29-Jul-16	07-Sep-16	04-Jul-16 A	27-Sep-16 A	100%	-16	
LT.2950	Instrument Installation for Instrumental Sheet Pile	15	28-May-16	15-Jun-16	21-May-16 A	31-May-16 A	100%	13	
LT.2955	Drive Instrumental Sheet Pile and Report Submission	10	08-Jun-16	20-Jun-16	01-Jun-16 A	16-Jun-16 A	100%	4	
LT.3720	Additional Sheet Piles Installation in Portions L06 and L07 and Grout Curtain at Corner Piles; 501m2	20			10-Feb-17 A	10-Mar-17 A	100%		
Contract Administrator's Instruction No. 8									
LT.3050	Pre-grouting Works adjacent Seawall Portion L03	21	17-Sep-16	13-Oct-16	16-Aug-16 A	28-Oct-16 A	100%	-12	
LT.3060	Pipe Pile and Grout Curtain; Portion L02 (PP 21nos.) + Lower Portion L14 (PP 2 nos.)	20	13-Sep-16	07-Oct-16	06-Dec-16 A	04-Jan-17 A	100%	-71	
LT.3070	Clutched Pipe Pile and Grout Curtain; Portion L03 (CPP 104 nos. and PP 4 nos)	125	14-Oct-16	15-Mar-17	07-Oct-16 A	07-Mar-17 A	100%	8	
BA14									
LT.0126	Submission of BA14 for Stage 1 ELS Sheet Piling Works at Area 6 (PMC Withdrawn Submission)	2	08-Sep-16	09-Sep-16	08-Oct-16 A	05-Nov-16 A	100%	-45	
LT.0127	BD's Acknowledgement (BA14 Submission Withdrawn)	14	09-Sep-16	23-Sep-16	06-Nov-16 A	03-Dec-16 A	100%	-70	
LT.0128	Submission of BA14 for Stage 1 ELS Piling Works at Area 1 to 5	2	16-Mar-17	17-Mar-17	20-Mar-17 A	02-Jun-17 A	100%	-58	
LT.0129	BD's Acknowledgement	28	17-Mar-17	31-Mar-17	03-Jun-17 A	17-Jul-17	62%	-108	6
LT.3723	Submission of BA14 for Stage 1 ELS Sheet Piling Works at Area 6 including CAI No. 019	6			11-Mar-17 A	22-Mar-17 A	100%		
LT.3725	BD's Acknowledgement of Sheet Pile Completion	45			23-Mar-17 A	25-Apr-17 A	100%		
Pumping Test									
LT.0131	Install Area 1 to Area 5 Pumping Test Instrumentation & Wells (15 DW + 30 OW) and Submission of In	22	13-Jun-17	08-Jul-17	11-Feb-17 A	21-Jul-17	75%	-11	1
LT.0132	Carry Out Pumping Test in Area 1 to Area 5 and Submission to BD	20	09-Jul-17	28-Jul-17	22-Jul-17	10-Aug-17	0%	-13	2
LT.0133	Obtain BD's Acknowledgement of Area 1 to 5 Pumping Test Results	45	29-Jul-17	11-Sep-17	11-Aug-17	24-Sep-17	0%	-13	19
LT.0134	Install Area 6 Pumping Test Instrumentation & Wells (3 PW + 6 OW) and Submission of Initial Reading:	21	07-Dec-16	04-Jan-17	20-Mar-17 A	12-May-17 A	100%	-100	
LT.0135	Carry Out Pumping Test in Area 6 and submission to BD	16	11-Jan-17	26-Jan-17	12-May-17 A	13-Jun-17 A	100%	-138	
LT.0136	Obtain BD's Acknowledgement of Area 6 Pumping Test Results	45	26-Jan-17	12-Mar-17	14-Jun-17 A	28-Jul-17	37%	-139	-54
Option Stage 2 ELS and Excavation Works at Area 6									
LT.0138	Bulk Excavation and Installation of Struts	102	25-Apr-17	26-Aug-17	09-Aug-17	07-Dec-17	0%	-86	-86
LT.0139	Trim Pile Head and Clearance	27	26-Aug-17	27-Sep-17	07-Dec-17	11-Jan-18	0%	-86	-73
LT.3075	Submission of BA8 and BA10 for Bulk Excavation Works	35	14-Mar-17	18-Apr-17	05-Jun-17 A	09-Aug-17	74%	-114	-105
LT.3080	Installation of King Posts and Temporary Platform	22	18-Apr-17	16-May-17	06-Apr-17 A	12-Apr-17 A	100%	24	
BA14 for Option Stage 2 ELS and Excavation Works at Area 6									
LT.0141	Submission of BA14 for Stage 2 ELS and Excavation Works at Area 6	2	26-Aug-17	29-Aug-17	07-Dec-17	09-Dec-17	0%	-86	-86
LT.0142	BD's Acknowledgement	45	28-Aug-17	12-Oct-17	10-Dec-17	23-Jan-18	0%	-104	-103



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Gammon

Date	Revision	Checked	Approved
30-Jun-17	For Information	R.L.	K.K.

C. Action and Limit Levels for Construction Phase

Air Quality

The Action and Limit Levels for 1-hour and 24-hour TSP for the monitoring station are presented in following tables:

Table C-1: Action and Limit Levels for 1-hour TSP

Monitoring Station	Action Level (mg/m^3)	Limit Level (mg/m^3)
AM1	273.7	500
AM2A	274.2	500

Table C-2: Action and Limit Levels for 24-hour TSP

Monitoring Station	Action Level ($\mu g/m^3$)	Limit Level ($\mu g/m^3$)
AM1	143.6	260
AM2A	151.1	260

Noise

The Action and Limit Levels for Noise for the monitoring stations are presented in following table:

Table C-3: Action and Limit Levels for Construction Noise

Time Period & Monitoring Locations	Action Level	Limit Level
NM1A		
0700-1900 hours on normal weekdays	When one documented complaint is received from any one of the sensitive receivers	75 dB(A)

D. Event and Action Plan for Air Quality, Noise, Landscape and Visual Impact

Air Quality

In case the Action and Limit Levels are not complied during construction stage, the following Event and Action Plan should be followed:

Table D-1: Event and Action Plan for Air Quality

Event	Action			
	ET	IEC	WKCDA	Contractor
Action Level				
1. Exceedance for one sample	1. Identify source, investigate the causes of exceedance and propose remedial measures; 2. Inform IEC and WKCDA; 3. Repeat measurement to confirm finding; 4. Increase monitoring frequency to daily.	1. Check monitoring data submitted by ET; 2. Check Contractor's working method.	1. Notify Contractor	1. Rectify any unacceptable practice; 2. Amend working methods if appropriate.
2. Exceedance for two or more consecutive samples	1. Identify source; 2. Inform IEC and WKCDA; 3. Advise the WKCDA on the effectiveness of the proposed remedial measures; 4. Repeat measurements to confirm findings; 5. Increase monitoring frequency to daily; 6. Discuss with IEC and Contractor on remedial actions required; 7. If exceedance continues, arrange meeting with IEC and WKCDA; 8. If exceedance stops, cease additional monitoring.	1. Check monitoring data submitted by ET; 2. Check Contractor's working method; 3. Discuss with ET and Contractor on possible remedial measures; 4. Advise the ET on the effectiveness of the proposed remedial measures; 5. Monitor the implementation of remedial measures.	1. Confirm receipt of notification of failure in writing; 2. Notify Contractor; 3. Ensure remedial measures properly implemented.	1. Submit proposals for remedial to WKCDA within three working days of notification; 2. Implement the agreed proposals; 3. Amend proposal if appropriate.
Limit Level				
1. Exceedance for one sample	1. Identify source, investigate the causes of exceedance and propose remedial measures; 2. Inform WKCDA, Contractor and EPD; 3. Repeat measurement to confirm finding; 4. Increase monitoring frequency to daily; 5. Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and WKCDA informed of the results.	1. Check monitoring data submitted by ET; 2. Check Contractor's working method; 3. Discuss with ET and Contractor on possible remedial measures; 4. Advise the WKCDA on the effectiveness of the proposed remedial measures; 5. Monitor the implementation of remedial measures.	1. Confirm receipt of notification of failure in writing; 2. Notify Contractor; 3. Ensure remedial measures properly implemented.	1. Take immediate action to avoid further exceedance; 2. Submit proposals for remedial actions to IEC within three working days of notification; 3. Implement the agreed proposals; 4. Amend proposal if appropriate.

Event	Action			
2. Exceedance for two or more consecutive samples	1. Notify IEC, WKCDA, Contractor and EPD; 2. Identify source; 3. Repeat measurement to confirm findings; 4. Increase monitoring frequency to daily; 5. Carry out analysis of Contractor's working procedures to determine possible mitigation to be implemented; 6. Arrange meeting with IEC and WKCDA to discuss the remedial actions to be taken; 7. Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and WKCDA informed of the results; 8. If exceedance stops, cease additional monitoring.	1. Check monitoring data submitted by ET; 2. Check Contractor's working method; 3. Discuss amongst WKCDA, ET, and Contractor on the potential remedial actions; 4. Review Contractor's remedial actions whenever necessary to assure their effectiveness and advise the WKCDA accordingly; 5. Monitor the implementation of remedial measures.	1. Confirm receipt of notification of failure in writing; 2. Notify Contractor; 3. In consolidation with the IEC, agree with the Contractor on the remedial measures to be implemented; 4. Ensure remedial measures properly implemented; 5. If exceedance continues, consider what portion of the work is responsible and instruct the Contractor to stop that portion of work until the exceedance is abated.	1. Take immediate action to avoid further exceedance; 2. Submit proposals for remedial actions to IEC within three working days of notification; 3. Implement the agreed proposals; 4. Resubmit proposals if problem still not under control; 5. Stop the relevant portion of works as determined by the WKCDA until the exceedance is abated.

Construction Noise

In case the Action and Limit Levels are not complied during construction stage, the following Event and Action Plan should be followed:

Table D-2: Event and Action Plan for Construction Noise

Event	Action			
	ET	IEC	WKCDA	Contractor
Action Level	1. Notify WKCDA, IEC and Contractor; 2. Carry out investigation; 3. Report the results of investigation to the IEC, WKCDA and Contractor; 4. Discuss with the IEC and Contractor on remedial measures required; 5. Increase monitoring frequency to check mitigation effectiveness.	1. Review the investigation results submitted by the ET; 2. Review the proposed remedial measures by the Contractor and advise the WKCDA accordingly; 3. Advise the WKCDA on the effectiveness of the proposed remedial measures.	1. Confirm receipt of notification of failure in writing; 2. Notify Contractor; 3. In consolidation with the IEC, agree with the Contractor on the remedial measures to be implemented; 4. Supervise the implementation of remedial measures.	1. Submit noise mitigation proposals to IEC and WKCDA; 2. Implement noise mitigation proposals.
Limit Level	1. Inform IEC, WKCDA, Contractor and EPD; 2. Repeat measurements to confirm findings; 3. Increase monitoring frequency; 4. Identify source and investigate the cause of exceedance; 5. Carry out analysis of Contractor's working procedures; 6. Discuss with the IEC, Contractor and WKCDA on remedial measures required; 7. Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and WKCDA informed of the results; 8. If exceedance stops, cease additional monitoring.	1. Discuss amongst WKCDA, ET, and Contractor on the potential remedial actions; 2. Review Contractor's remedial actions whenever necessary to assure their effectiveness and advise the WKCDA accordingly.	1. Confirm receipt of notification of failure in writing; 2. Notify Contractor; 3. In consolidation with the IEC, agree with the Contractor on the remedial measures to be implemented; 4. Supervise the implementation of remedial measures; 5. If exceedance continues, consider stopping the Contractor to continue working on that portion of work which causes the exceedance until the exceedance is abated.	1. Take immediate action to avoid further exceedance; 2. Submit proposals for remedial actions to IEC and WKCDA within 3 working days of notification; 3. Implement the agreed proposals; 4. Submit further proposal if problem still not under control; 5. Stop the relevant portion of works as instructed by the WKCDA until the exceedance is abated.

Landscape and Visual Impact

In case of non-compliance of landscape and visual impacts, procedures in accordance with the Event and Action Plan should be followed:

Table D-3: Event and Action Plan for Landscape and Visual Impact

Event	Action			
	ET	IEC	WKCDA	Contractor
Design Check	1. Design check to make sure the design complies with all the proposed mitigation measures in the EIA report; 2. Prepare and submit report.	1. Check report submitted by ET; 2. Recommend remedial design if necessary.	1. Undertake remedial design if necessary.	-
Non-conformity on one occasion	1. Identify source of non-conformity; 2. Report to IEC and WKCDA; 3. Discuss remedial actions with IEC, WKCDA and Contractor; 4. Monitor remedial actions until rectification has been completed.	1. Check and verify source of non-conformity; 2. Discuss remedial actions with ET and Contractor; 3. Advise WKCDA on effectiveness of proposed remedial actions; 4. Check implementation of remedial actions.	1. Notify Contractor; 2. Ensure remedial actions are properly implemented.	1. Amend working method as necessary; 2. Rectify damage and undertake necessary replacement and remedial actions.
Repeated non-conformity	1. Identify source of non-conformity; 2. Report to IEC and WKCDA; 3. Increase monitoring frequency; 4. Discuss remedial actions with IEC, WKCDA and Contractor; 5. Monitor remedial actions until rectification has been completed; 6. If non-conformity rectified, reduce monitoring frequency back to normal.	1. Check and verify source of non-conformity; 2. Check Contractor's working method; 3. Discuss remedial actions with ET and Contractor; 4. Advise WKCDA on effectiveness of proposed remedial actions; 5. Supervise implementation of remedial actions.	1. Notify Contractor; 2. Ensure remedial actions are properly implemented.	1. Amend working method as necessary; 2. Rectify damage and undertake necessary replacement and remedial actions.

E. Monitoring Schedule

JUNE 2017

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				1 AM1, AM2A - 24hrTSP, 1hr TSP x3 NM1A - Noise Impact Monitoring	**2**	**3**
4	**5**	**6**	**7** AM1, AM2A - 24hrTSP, 1hr TSP x3 NM1A - Noise Impact Monitoring	**8**	**9**	**10**
11	**12**	**13** AM1, AM2A - 24hrTSP, 1hr TSP x3 NM1A - Noise Impact Monitoring	**14**	**15**	**16**	**17**
18	**19** AM1, AM2A - 24hrTSP, 1hr TSP x3 NM1A - Noise Impact Monitoring	**20**	**21**	**22**	**23** AM1, AM2A - 24hrTSP, 1hr TSP x3	**24**
25	**26**	**27**	**28**	**29**	**30** AM1, AM2A - 24hrTSP, 1hr TSP x3* NM1A - Noise Impact Monitoring*	
		Notes: AM1 - International Commerce Centre (ICC) AM2A - Austin Road West (Opposite to The Harbourside) NM1A - International Commerce Centre (ICC) *The impact monitoring originally scheduled on 29 Jun was rescheduled to 30 Jun due to site closure on 29 Jun.				

JULY 2017

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						1
2	3	4	5 AM1, AM2A - 24hrTSP, 1hr TSP x3 NM1A - Noise Impact Monitoring	6	7	8
9	10	11 AM1, AM2A - 24hrTSP, 1hr TSP x3 NM1A - Noise Impact Monitoring	12	13	14	15
16	17 AM1, AM2A - 24hrTSP, 1hr TSP x3 NM1A - Noise Impact Monitoring	18	19	20	21 AM1, AM2A - 24hrTSP, 1hr TSP x3	22
23	24	25	26	27 AM1, AM2A - 24hrTSP, 1hr TSP x3 NM1A - Noise Impact Monitoring	28	29
30	31	Notes: AM1 - International Commerce Centre (ICC) AM2A - Austin Road West (Opposite to The Harbourside) NM1A - International Commerce Centre (ICC)				

F. Calibration Certifications

High-Volume TSP Sampler
5-Point Calibration Record

Location	:	AM1(ICC)
Calibrated by	:	K.T.Ho
Date	:	12/04/2017

Sampler

Model	:	TE-5170
Serial Number	:	S/N 0767

Calibration Orfice and Standard Calibration Relationship

Serial Number	:	2454
Service Date	:	20 Mar 2017
Slope (m)	:	2.08464
Intercept (b)	:	-0.03684
Correlation Coefficient(r)	:	0.99994

Standard Condition

Pstd (hpa)	:	1013
Tstd (K)	:	298.18

Calibration Condition

Pa (hpa)	:	1014
Ta(K)	:	292

Resistance Plate		dH [green liquid] (inch water)	Z	X=Qstd (cubic meter/min)	IC (chart)	Y (corrected)
1	18 holes	10.0	3.196	1.551	57	57.61
2	13 holes	8.2	2.894	1.406	50	50.54
3	10 holes	6.0	2.476	1.205	42	42.45
4	7 holes	4.2	2.071	1.011	34	34.36
5	5 holes	2.4	1.566	0.769	22	22.24

Notes:Z=SQRT{dH(Pa/Pstd)(Tstd/Ta)}, X=Z/m-b ,Y(Corrected Flow)=IC*{SQRT(Pa/Pstd)(Tstd/Ta)}

Sampler Calibration Relationship

Slope(m):44.426 Intercept(b): -11.359 Correlation Coefficient(r): 0.9991

Checked by: Magnum Fan Date: 18/04/2017

High-Volume TSP Sampler
5-Point Calibration Record

Location	:	AM1 (ICC)
Calibrated by	:	K.T.Ho
Date	:	12/06/2017

Sampler

Model	:	TE-5170
Serial Number	:	S/N 0767

Calibration Orifice and Standard Calibration Relationship

Serial Number	:	2454
Service Date	:	20 Mar 2017
Slope (m)	:	2.08464
Intercept (b)	:	-0.03684
Correlation Coefficient(r)	:	0.99994

Standard Condition

Pstd (hpa)	:	1013
Tstd (K)	:	298.18

Calibration Condition

Pa (hpa)	:	1007
Ta(K)	:	303

Resistance Plate		dH [green liquid] (inch water)	Z	X=Qstd (cubic meter/min)	IC (chart)	Y (corrected)
1	18 holes	9.8	3.095	1.503	54	53.39
2	13 holes	7.8	2.761	1.342	48	47.46
3	10 holes	5.6	2.340	1.140	38	37.57
4	7 holes	3.8	1.927	0.942	30	29.66
5	5 holes	2.0	1.398	0.688	20	19.78

Notes:Z=SQRT{dH(Pa/Pstd)(Tstd/Ta)}, X=Z/m-b ,Y(Corrected Flow)=IC*{SQRT(Pa/Pstd)(Tstd/Ta)}

Sampler Calibration Relationship

Slope(m):41.883 Intercept(b): -9.467 Correlation Coefficient(r): 0.9991

Checked by: _____ Date: 16/06/2017
Magnum Fan

High-Volume TSP Sampler
5-Point Calibration Record

Location	:	AM2A (Harbourside)
Calibrated by	:	K.T.Ho
Date	:	12/04/2017

Sampler

Model	:	TE-5170
Serial Number	:	S/N 8919

Calibration Orfice and Standard Calibration Relationship

Serial Number	:	2454
Service Date	:	20 Mar 2017
Slope (m)	:	2.08464
Intercept (b)	:	-0.03684
Correlation Coefficient(r)	:	0.99994

Standard Condition

Pstd (hpa)	:	1013
Tstd (K)	:	298.18

Calibration Condition

Pa (hpa)	:	1014
Ta(K)	:	292

Resistance Plate		dH [green liquid] (inch water)	Z	X=Qstd (cubic meter/min)	IC (chart)	Y (corrected)
1	18 holes	11.8	3.472	1.683	54	54.58
2	13 holes	8.8	2.998	1.456	46	46.49
3	10 holes	6.8	2.636	1.282	39	39.42
4	7 holes	4.2	2.071	1.011	30	30.32
5	5 holes	2.2	1.499	0.737	21	21.23

Notes:Z=SQRT{dH(Pa/Pstd)(Tstd/Ta)}, X=Z/m-b ,Y(Corrected Flow)=IC*{SQRT(Pa/Pstd)(Tstd/Ta)}

Sampler Calibration Relationship

Slope(m):35.358 Intercept(b):-5.218 Correlation Coefficient(r): 0.9994

Checked by: _____ Date: 18/04/2017
Magnum Fan

High-Volume TSP Sampler
5-Point Calibration Record

Location	:	AM2A (Harbourside)
Calibrated by	:	K.T.Ho
Date	:	12/06/2017

Sampler

Model	:	TE-5170
Serial Number	:	S/N 8919

Calibration Orifice and Standard Calibration Relationship

Serial Number	:	2454
Service Date	:	20 Mar 2017
Slope (m)	:	2.08464
Intercept (b)	:	-0.03684
Correlation Coefficient(r)	:	0.99994

Standard Condition

Pstd (hpa)	:	1013
Tstd (K)	:	298.18

Calibration Condition

Pa (hpa)	:	1007
Ta(K)	:	303

Resistance Plate		dH [green liquid] (inch water)	Z	X=Qstd (cubic meter/min)	IC (chart)	Y (corrected)
1	18 holes	12.0	3.425	1.661	58	57.35
2	13 holes	9.0	2.966	1.441	50	49.44
3	10 holes	7.0	2.616	1.273	42	41.53
4	7 holes	4.4	2.074	1.013	32	31.64
5	5 holes	2.4	1.532	0.752	22	21.75

Notes:Z=SQRT{dH(Pa/Pstd)(Tstd/Ta)}, X=Z/m-b ,Y(Corrected Flow)=IC*{SQRT(Pa/Pstd)(Tstd/Ta)}

Sampler Calibration Relationship

Slope(m):39.568 Intercept(b):-8.240 Correlation Coefficient(r): 0.9994

Checked by:_____ Date: 16/06/2017

Magnum Fan

TISCH Environmental

TISCH ENVIRONMENTAL, INC.
145 SOUTH MIAMI AVE
VILLAGE OF CLEVES, OH
45002
513.467.9000
877.263.7610 TOLL FREE
513.467.9009 FAX

ORIFICE TRANSFER STANDARD CERTIFICATION WORKSHEET TE-5025A

Date - Mar 20, 2017 Rootsmeter S/N 0438320 Ta (K) - 293
Operator Tisch Orifice I.D. - 2454 Pa (mm) - 759.46

PLATE OR Run #	VOLUME START (m3)	VOLUME STOP (m3)	DIFF VOLUME (m3)	DIFF TIME (min)	METER DIFF Hg (mm)	ORFICE DIFF H2O (in.)
1	NA	NA	1.00	1.4390	3.2	2.00
2	NA	NA	1.00	1.0240	6.4	4.00
3	NA	NA	1.00	0.9170	7.9	5.00
4	NA	NA	1.00	0.8730	8.8	5.50
5	NA	NA	1.00	0.7200	12.8	8.00

DATA TABULATION

Vstd	(x axis) Qstd	(y axis)		Va	(x axis) Qa	(y axis)
1.0120	0.7033	1.4257		0.9958	0.6920	0.8784
1.0078	0.9842	2.0163		0.9916	0.9683	1.2423
1.0057	1.0967	2.2543		0.9895	1.0791	1.3889
1.0045	1.1507	2.3643		0.9884	1.1322	1.4567
0.9992	1.3878	2.8514		0.9831	1.3654	1.7568
Qstd slope (m) =		2.08464		Qa slope (m) =		1.30537
intercept (b) =		-0.03684		intercept (b) =		-0.02270
coefficient (r) =		0.99994		coefficient (r) =		0.99994
y axis = SQRT[H2O(Pa/760)(298/Ta)]				y axis = SQRT[H2O(Ta/Pa)]		

CALCULATIONS

Vstd = Diff. Vol[(Pa-Diff. Hg)/760](298/Ta)
Qstd = Vstd/Time

Va = Diff Vol [(Pa-Diff Hg)/Pa]
Qa = Va/Time

For subsequent flow rate calculations:

Qstd = 1/m{[SQRT(H2O(Pa/760)(298/Ta))]- b}
Qa = 1/m{[SQRT H2O(Ta/Pa)]- b}

SIBATA

SIBATA SCIENTIFIC TECHNOLOGY LTD.
1-1-62, Nakane, Soka, Saitama, 340-0005 Japan
TEL : 048-933-1582 FAX : 048-933-1591

CALIBRATION CERTIFICATE

Date: December 21, 2016

Equipment Name	:	Digital Dust Indicator, Model LD-3B
Code No.	:	080000-42
Quantity	:	1 unit
Serial No.	:	276020
Sensitivity	:	0.001 mg/m3
Sensitivity Adjustment	:	787CPM
Scale Setting	:	December 16, 2016

We hereby certify that the avobe mentioned instrment has been calibrated satisfactory.

Sincerely

SIBATA SCIENTIFIC TECHNOLOGY LTD.

Shintaro Okamura

Shintaro Okamura
Overseas Sales Division

TEST CERTIFICATE

Report No. 16-1879-1

CUSTOMER : INNOTECH INSTRUMENTATION CO.LTD.

SIBATA SCIENTIFIC TECHNOLOGY LTD.

DATE 19/ December /2016

APPROVE BY	VERIFIED BY	ISSUED BY

PRODUCT NAME	:	Digital Dust Indicator
MODEL NUMBER	:	LD−3B
SERIAL NUMBER	:	276020
CALIBRATION DATE	:	16− December −2016

Testing Category	Judging Standard	Judgment			
Function Test	Switch, Display, Wiring will nomally function	OK			
Sensitivity Calibration	Count is ±2% accurate to the master by the standard calibration particle	Reading of Master	Reading of this Instrument	Correction	Inspection chart
		799 CPM	795 CPM	−0.5 %	Reference Value(S)
Dust Concentration Measuring	Count is ±10% accurate to the master under the 3 different concentration.	2053 CPM	1979 CPM	−3.6 %	787 CPM
		978 CPM	957 CPM	−2.1 %	
		516 CPM	507 CPM	−1.7 %	Test atmosphere
Reproducibility	The difference between maximum and minimum value of sensitivity adjustment scale setting must be 5.0 % or less of maximum value. (The results of measurement of sensitivity adjustment in 5 times are within this range.)	OK			Temperature: 23 ℃ / Humidity: 45 %
Synthetic Judgment		Good			

PILOT TESTING

REPORT OF EQUIPMENT PERFORMANCE CHECK / CALIBRATION

REPORT NO.	: HK1710039
PROJECT NAME	: PERFORMANCE CHECK / CALIBRATION OF DUST METER
DATE OF ISSUE	: 17/01/2017
CUSTOMER	: Envirotech Services Company
ADDRESS	: Rm. 113, 1/F., MY LOFT, 9 HOI WING ROAD, TUEN MUN, N.T.

REPORT NO.	: HK1710039
PROJECT ITEM NO.	: HK1710039-01
PERFORMANCE CHECK / CALIBRATED EQUIPMENT	
TYPE	: Digital Dust Indicator
MANUFACTURER	: SIBATA
MODEL NO.	: LD-3B
SERIAL NO.	: 276020
EQUIPMENT NO.	: ---
RECEIPT DATE	: 11/01/2017
PERFORMANCE CHECK / CALIBRATION DATE	: 12/01/2017

PERFORMANCE CHECK / CALIBRATION Information

CODE	Calibration Parameter	Method Procedure	Reference Method
Dust PC/CAL	Performance Check / Calibration of Dust Meter	CAL003	General Technical Requirements of Environmental Monitoring, Environmental Monitoring & Audit Guidelines for Development Projects in HK

Notes : 1. This report shall not be reproduced, except in full, without prior approval from Pilot Testing Limited.
2. Performance Check / Calibration result relates to performance check / calibration item(s) as received.

Approved Signatory : Issue Date: 17/01/2017

Wong Po Yan Pauline
(Testing Engineer)

REPORT OF PERFORMANCE CHECK / CALIBRATION

PROJECT NAME	:	PERFORMANCE CHECK / CALIBRATION OF DUST METER
DATE OF ISSUE	:	17/01/2017
REPORT NO.	:	HK1710039

PERFORMANCE CHECK / CALIBRATED EQUIPMENT

TYPE	:	Digital Dust Indicator
MANUFACTURER	:	SIBATA
MODEL NO.	:	LD-3B
SERIAL NO.	:	276020
EQUIPMENT NO.	:	—
SENSITIVITY ADJUSTMENT	:	---
PERFORMANCE CHECK / CALIBRATION DATE	:	12/01/2017

STANDARD EQUIPMENT :

TYPE	:	HIGH VOLUME AIR SAMPLER
MANUFACTURER	:	TISCH
MODEL NO.	:	TE-5170
EQUIPMENT REF NO.	:	PTL_HV002
LAST CALIBRATION DATE	:	23/11/2016

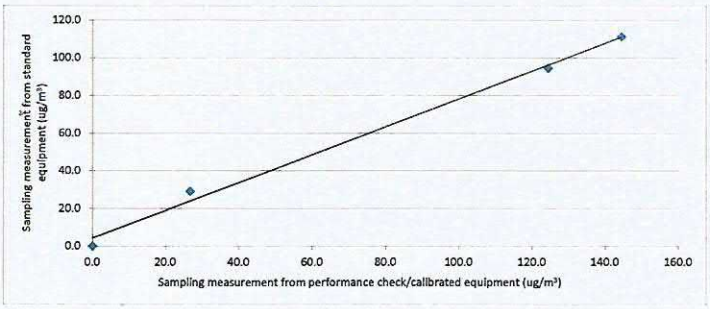
EQUIPMENT PERFORMANCE CHECK / CALIBRATION RESULTS:

Sensitivity Adjustment Scale Setting (Before Performance check / Calibration): 787 CPM
Sensitivity Adjustment Scale Setting (After Performance check / Calibration): 787 CPM

Trial no. in 1-hr period	Time	Mean Temp (°C)	Mean Pressure (hPa)	Concentration in ug/m^3 (Standard equipment) (Y - Axis)	Total Count[2] (Performance Check / Calibrated equipment)	Concentration in Count/Minute[3] (Performance Check / Calibrated equipment) (X - Axis)
Zero Check[1]	12/01/2017,10:00:00 AM	19	1016	0	0	0
1	12/01/2017,11:10:00 AM	19	1016	95	7462	124
2	12/01/2017,2:30:00 PM	19	1016	111	8670	145
3	12/01/2017,3:34:00 PM	19	1016	29	1600	27

Linear Regression of Y on X

Slope (K- factor)	:	0.7
Correlation Coefficient	:	0.9972
Validity of Performance Check / Calibration Record	:	12/01/2018



Notes : 1. Zero check conducted as per CAL003 SOP and manufacturer's manual as appropriate.
2. Total Count was measured by Digital Dust Indicator.
3. Count/minute was calcuated by (Total Count/60)
4. This report shall not be reproduced, except in full, without prior approval from Pilot Testing Limited.
5. Performance Check / Calibration result relates to performance check / calibration item(s) as received.

Operator: MA Ching Him, Jackey Signature: _____ Date: 12/01/2017

Checked by: Wong Po Yan, Pauline Signature: _____ Date: 17/01/2017

SIBATA

SIBATA SCIENTIFIC TECHNOLOGY LTD.
1-1-62, Nakane, Soka, Saitama, 340-0005 Japan
TEL : 048-933-1582 FAX : 048-933-1591

CALIBRATION CERTIFICATE

Date: December 21, 2016

Equipment Name	:	Digital Dust Indicator, Model LD-3B
Code No.	:	080000-42
Quantity	:	1 unit
Serial No.	:	2Z6240
Sensitivity	:	0.001 mg/m3
Sensitivity Adjustment	:	565CPM
Scale Setting	:	December 16, 2016

We hereby certify that the avobe mentioned instrment has been calibrated satisfactory.

Sincerely

SIBATA SCIENTIFIC TECHNOLOGY LTD.

Shintaro Okamura

Shintaro Okamura
Overseas Sales Division

TEST CERTIFICATE

Report No. 16-1879-2

CUSTOMER :INNOTECH INSTRUMENTATION CO.LTD.

SIBATA SCIENTIFIC TECHNOLOGY LTD.

DATE 19/ December /2016

APPROVE BY	VERIFIED BY	ISSUED BY

PRODUCT NAME	:	Digital Dust Indicator
MODEL NUMBER	:	LD−3B
SERIAL NUMBER	:	2Z6240
CALIBRATION DATE	:	16− December −2016

Testing Category	Judging Standard	Judgment			Inspection chart	
Function Test	Switch, Display, Wiring will nomally function	OK				
Sensitivity Calibration	Count is ±2% accurate to the master by the standard calibration particle	Reading of Master	Reading of this Instrument	Correction	Reference Value(S)	
		798 CPM	796 CPM	−0.3 %		
Dust Concentration Measuring	Count is ±10% accurate to the master under the 3 different concentration.	2053 CPM	1989 CPM	−3.1 %	565 CPM	
		978 CPM	966 CPM	−1.2 %		
		516 CPM	515 CPM	−0.2 %	Test atmosphere	
Reproducibility	The difference between maximum and minimum value of sensitivity adjustment scale setting must be 5.0 % or less of maximum value. (The results of measurement of sensitivity adjustment in 5 times are within this range.)	OK			Temperature	Humidity
					23 ℃	45 %
Synthetic Judgment		Good				

PILOT TESTING

REPORT OF EQUIPMENT PERFORMANCE CHECK / CALIBRATION

REPORT NO.	: HK1710040
PROJECT NAME	: PERFORMANCE CHECK / CALIBRATION OF DUST METER
DATE OF ISSUE	: 17/01/2017
CUSTOMER	: Envirotech Services Company
ADDRESS	: Rm. 113, 1/F., MY LOFT, 9 HOI WING ROAD, TUEN MUN, N.T.

REPORT NO.	: HK1710040
PROJECT ITEM NO.	: HK1710040-01
PERFORMANCE CHECK / CALIBRATED EQUIPMENT	
TYPE	: Digital Dust Indicator
MANUFACTURER	: SIBATA
MODEL NO.	: LD-3B
SERIAL NO.	: 2Z6240
EQUIPMENT NO.	: ---
RECEIPT DATE	: 11/01/2017
PERFORMANCE CHECK / CALIBRATION DATE	: 12/01/2017

PERFORMANCE CHECK / CALIBRATION Information

CODE	Calibration Parameter	Method Procedure	Reference Method
Dust PC/CAL	Performance Check / Calibration of Dust Meter	CAL003	General Technical Requirements of Environmental Monitoring, Environmental Monitoring & Audit Guidelines for Development Projects in HK

Notes : 1. This report shall not be reproduced, except in full, without prior approval from Pilot Testing Limited.
2. Performance Check / Calibration result relates to performance check / calibration item(s) as received.

Approved Signatory : Issue Date: 17/01/2017

Wong Po Yan Pauline
(Testing Engineer)

PILOT TESTING

REPORT OF PERFORMANCE CHECK / CALIBRATION

PROJECT NAME	:	PERFORMANCE CHECK / CALIBRATION OF DUST METER
DATE OF ISSUE	:	17/01/2017
REPORT NO.	:	HK1710040

PERFORMANCE CHECK / CALIBRATED EQUIPMENT

TYPE	:	Digital Dust Indicator
MANUFACTURER	:	SIBATA
MODEL NO.	:	LD-3B
SERIAL NO.	:	2Z6240
EQUIPMENT NO.	:	---
SENSITIVITY ADJUSTMENT	:	---
PERFORMANCE CHECK / CALIBRATION DATE	:	12/01/2017

STANDARD EQUIPMENT

TYPE	:	HIGH VOLUME AIR SAMPLER
MANUFACTURER	:	TISCH
MODEL NO.	:	TE-5170
EQUIPMENT REF NO.	:	PTL_HV002
LAST CALIBRATION DATE	:	23/11/2016

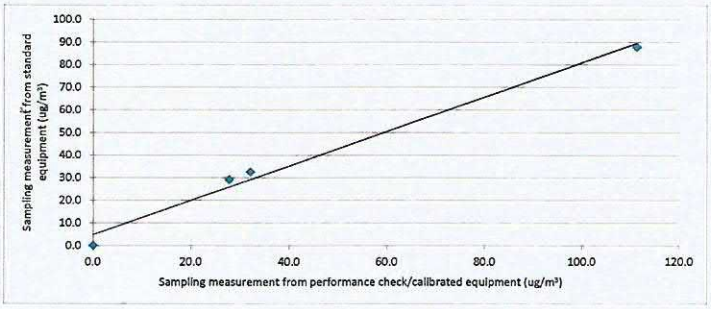
EQUIPMENT PERFORMANCE CHECK / CALIBRATION RESULTS:

Sensitivity Adjustment Scale Setting (Before Performance check / Calibration): 565 CPM
Sensitivity Adjustment Scale Setting (After Performance check / Calibration): 565 CPM

Trial no. in 1-hr period	Time	Mean Temp (°C)	Mean Pressure (hPa)	Concentration in ug/m³ (Standard equipment) (Y - Axis)	Total Count[2] (Performance Check / Calibrated equipment)	Concentration in Count/Minute[3] (Performance Check / Calibrated equipment) (X - Axis)
Zero Check[1]	12/01/2017,10:00:00 AM	19	1016	0	0	0
1	12/01/2017,12:15:00 PM	19	1016	88	6680	111
2	12/01/2017,1:25:00 PM	19	1016	33	1924	32
3	12/01/2017,3:34:00 PM	19	1016	29	1664	28

Linear Regression of Y on X

Slope (K- factor)	:	0.8
Correlation Coefficient	:	0.9940
Validity of Performance Check / Calibration Record	:	12/01/2018



Notes : 1. Zero check conducted as per CAL003 SOP and manufacturer's manual as appropriate.
2. Total Count was measured by Digital Dust Indicator.
3. Count/minute was calcuated by (Total Count/60)
4. This report shall not be reproduced, except in full, without prior approval from Pilot Testing Limited.
5. Performance Check / Calibration result relates to performance check / calibration item(s) as received.

Operator: MA Ching Him, Jackey Signature: _____ Date: 12/01/2017

Checked by: Wong Po Yan, Pauline Signature: _____ Date: 17/01/2017

輝創工程有限公司
Sun Creation Engineering Limited
Calibration and Testing Laboratory

Certificate of Calibration
校正證書

Certificate No. : C164166
證書編號

ITEM TESTED / 送檢項目 (Job No. / 序引編號 : IC16-1465) Date of Receipt / 收件日期 : 20 July 2016

Description / 儀器名稱	:	Precision Integrating Sound Level Meter
Manufacturer / 製造商	:	Rion
Model No. / 型號	:	NL-18
Serial No. / 編號	:	00360030
Supplied By / 委託者	:	Envirotech Services Co. Room 113, 1/F, My Loft, 9 Hoi Wing Road, Tuen Mun, New Territories, Hong Kong

TEST CONDITIONS / 測試條件

Temperature / 溫度 : (23 ± 2)°C Relative Humidity / 相對濕度 : (55 ± 20)%
Line Voltage / 電壓 : ---

TEST SPECIFICATIONS / 測試規範

Calibration check

DATE OF TEST / 測試日期 : 29 July 2016

TEST RESULTS / 測試結果

The results apply to the particular unit-under-test only.
The results do not exceed manufacturer's specification.
The results are detailed in the subsequent page(s).

The test equipment used for calibration are traceable to National Standards via :
- The Government of The Hong Kong Special Administrative Region Standard & Calibration Laboratory
- Agilent Technologies / Keysight Technologies
- Rohde & Schwarz Laboratory, Germany
- Fluke Everett Service Center, USA

Tested By 測試 : H T Wong, Technical Officer

Certified By 核證 : K C Lee, Project Engineer

Date of Issue 簽發日期 : 1 August 2016

Sun Creation Engineering Limited – Calibration & Testing Laboratory
c/o 4/F, Tsing Shan Wan Exchange Building, 1 Hing On Lane, Tuen Mun, New Territories, Hong Kong
輝創工程有限公司 – 校正及檢測實驗所
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Certificate of Calibration
校正證書

Certificate No. : C164166
證書編號

1. The unit-under-test (UUT) was allowed to stabilize in the laboratory for over 12 hours, and switched on to warm up for over 10 minutes before the commencement of the test.

2. Self-calibration was performed before the test.

3. The results presented are the mean of 3 measurements at each calibration point.

4. Test equipment :

Equipment ID	Description	Certificate No.
CL280	40 MHz Arbitrary Waveform Generator	C160077
CL281	Multifunction Acoustic Calibrator	PA160023

5. Test procedure : MA101N.

6. Results :

6.1 Sound Pressure Level

6.1.1 Reference Sound Pressure Level

UUT Setting				Applied Value		UUT Reading (dB)	IEC 60651 Type 1 Spec. (dB)
Range (dB)	Mode	Frequency Weighting	Time Weighting	Level (dB)	Freq. (kHz)		
50 - 110	LA	A	Fast	94.00	1	94.4	± 0.7

6.1.2 Linearity

UUT Setting				Applied Value		UUT Reading (dB)
Range (dB)	Mode	Frequency Weighting	Time Weighting	Level (dB)	Freq. (kHz)	
60 - 120	LA	A	Fast	94.00	1	94.4 (Ref.)
				104.00		104.4
				114.00		114.4

IEC 60651 Type 1 Spec. : ± 0.4 dB per 10 dB step and ± 0.7 dB for overall different.

6.2 Time Weighting

6.2.1 Continuous Signal

UUT Setting				Applied Value		UUT Reading (dB)	IEC 60651 Type 1 Spec. (dB)
Range (dB)	Mode	Frequency Weighting	Time Weighting	Level (dB)	Freq. (kHz)		
50 - 110	LA	A	Fast	94.00	1	94.4	Ref.
			Slow			94.4	± 0.1

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Certificate No. : C164166
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6.2.2 Tone Burst Signal (2 kHz)

UUT Setting				Applied Value		UUT Reading (dB)	IEC 60651 Type 1 Spec. (dB)
Range (dB)	Mode	Frequency Weighting	Time Weighting	Level (dB)	Burst Duration		
50 -110	LA	A	Fast	106.00	Continuous	106.0	Ref.
	LAmx				200 ms	105.1	-1.0 ± 1.0
	LA		Slow		Continuous	106.0	Ref.
	LAmx				500 ms	102.4	-4.1 ± 1.0

6.3 Frequency Weighting

6.3.1 A-Weighting

UUT Setting				Applied Value		UUT Reading (dB)	IEC 60651 Type 1 Spec. (dB)
Range (dB)	Mode	Frequency Weighting	Time Weighting	Level (dB)	Freq.		
50 - 110	LA	A	Fast	94.00	31.5 Hz	54.7	-39.4 ± 1.5
					63 Hz	68.0	-26.2 ± 1.5
					125 Hz	78.0	-16.1 ± 1.0
					250 Hz	85.6	-8.6 ± 1.0
					500 Hz	91.1	-3.2 ± 1.0
					1 kHz	94.4	Ref.
					2 kHz	95.7	+1.2 ± 1.0
					4 kHz	95.5	+1.0 ± 1.0
					8 kHz	93.3	-1.1 (+1.5 ; -3.0)
					12.5 kHz	90.1	-4.3 (+3.0 ; -6.0)

6.3.2 C-Weighting

UUT Setting				Applied Value		UUT Reading (dB)	IEC 60651 Type 1 Spec. (dB)
Range (dB)	Mode	Frequency Weighting	Time Weighting	Level (dB)	Freq.		
50 - 110	LC	C	Fast	94.00	31.5 Hz	91.3	-3.0 ± 1.5
					63 Hz	93.5	-0.8 ± 1.5
					125 Hz	94.2	-0.2 ± 1.0
					250 Hz	94.4	0.0 ± 1.0
					500 Hz	94.5	0.0 ± 1.0
					1 kHz	94.4	Ref.
					2 kHz	94.3	-0.2 ± 1.0
					4 kHz	93.6	-0.8 ± 1.0
					8 kHz	91.4	-3.0 (+1.5 ; -3.0)
					12.5 kHz	88.1	-6.2 (+3.0 ; -6.0)

Certificate of Calibration
校正證書

Certificate No. : C164166
證書編號

6.4 Time Averaging

UUT Setting				Applied Value					UUT	IEC 60804
Range (dB)	Mode	Frequency Weighting	Integrating Time	Freq. (kHz)	Burst Duration (ms)	Burst Duty Factor	Burst Level (dB)	Equivalent Level (dB)	Reading (dB)	Type 1 Spec. (dB)
50 - 110	LAeq	A	10 sec.	4	1	1/10	110	100	100.1	± 0.5
						$1/10^2$		90	89.9	± 0.5
			60 sec.			$1/10^3$		80	79.6	± 1.0
			5 min.			$1/10^4$		70	69.7	± 1.0

Remarks : - UUT Microphone Model No. : UC-53A & S/N : 307435

- Mfr's Spec. : IEC 60651 Type 1 & IEC 60804 Type 1

- Uncertainties of Applied Value :

94 dB	: 31.5 Hz - 125 Hz	: ± 0.35 dB
	250 Hz - 500 Hz	: ± 0.30 dB
	1 kHz	: ± 0.20 dB
	2 kHz - 4 kHz	: ± 0.35 dB
	8 kHz	: ± 0.45 dB
	12.5 kHz	: ± 0.70 dB
104 dB	: 1 kHz	: ± 0.10 dB (Ref. 94 dB)
114 dB	: 1 kHz	: ± 0.10 dB (Ref. 94 dB)
Burst equivalent level		: ± 0.2 dB (Ref. 110 dB continuous sound level)

- The uncertainties are for a confidence probability of not less than 95 %.

Note :
The values given in this Certificate only relate to the values measured at the time of the test and any uncertainties quoted will not include allowance for the equipment long term drift, variations with environment changes, vibration and shock during transportation, overloading, mis-handling, or the capability of any other laboratory to repeat the measurement. Sun Creation Engineering Limited shall not be liable for any loss or damage resulting from the use of the equipment.

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輝創工程有限公司
Sun Creation Engineering Limited
Calibration and Testing Laboratory

Certificate of Calibration
校正證書

Certificate No. : C171447
證書編號

ITEM TESTED / 送檢項目 (Job No. / 序引編號 : IC17-0633) Date of Receipt / 收件日期 : 16 March 2017

Description / 儀器名稱 : Sound Level Calibrator
Manufacturer / 製造商 : Rion
Model No. / 型號 : NC-73
Serial No. / 編號 : 10486660
Supplied By / 委託者 : Envirotech Services Co.
Room 113, 1/F, My Loft, 9 Hoi Wing Road, Tuen Mun,
New Territories, Hong Kong

TEST CONDITIONS / 測試條件

Temperature / 溫度 : (23 ± 2)°C Relative Humidity / 相對濕度 : (55 ± 20)%
Line Voltage / 電壓 : ---

TEST SPECIFICATIONS / 測試規範

Calibration check

DATE OF TEST / 測試日期 : 17 March 2017

TEST RESULTS / 測試結果

The results apply to the particular unit-under-test only.
The results do not exceed manufacturer's specification.
The results are detailed in the subsequent page(s).

The test equipment used for calibration are traceable to National Standards via :
- The Government of The Hong Kong Special Administrative Region Standard & Calibration Laboratory
- Agilent Technologies / Keysight Technologies
- Rohde & Schwarz Laboratory, Germany
- Fluke Everett Service Center, USA

Tested By 測試 : H T Wong, Technical Officer

Certified By 核證 : K C Lee, Project Engineer

Date of Issue 簽發日期 : 23 March 2017

輝創工程有限公司
Sun Creation Engineering Limited
Calibration and Testing Laboratory

Certificate of Calibration
校正證書

Certificate No. : C171447
證書編號

1. The unit-under-test (UUT) was allowed to stabilize in the laboratory for over 12 hours before the commencement of the test.

2. The results presented are the mean of 3 measurements at each calibration point.

3. Test equipment :

Equipment ID	Description	Certificate No.
CL130	Universal Counter	C163709
CL281	Multifunction Acoustic Calibrator	PA160023
TST150A	Measuring Amplifier	C161175

4. Test procedure : MA100N.

5. Results :

5.1 Sound Level Accuracy

UUT Nominal Value	Measured Value (dB)	Mfr's Spec. (dB)	Uncertainty of Measured Value (dB)
94 dB, 1 kHz	93.6	± 0.5	± 0.2

5.2 Frequency Accuracy

UUT Nominal Value (kHz)	Measured Value (kHz)	Mfr's Spec.	Uncertainty of Measured Value (Hz)
1	0.987	1 kHz ± 2 %	± 1

Remark : The uncertainties are for a confidence probability of not less than 95 %.

Note :
Only the original copy or the laboratory's certified true copy is valid.

The values given in this Certificate only relate to the values measured at the time of the test and any uncertainties quoted will not include allowance for the equipment long term drift, variations with environment changes, vibration and shock during transportation, overloading, mis-handling, or the capability of any other laboratory to repeat the measurement. Sun Creation Engineering Limited shall not be liable for any loss or damage resulting from the use of the equipment.

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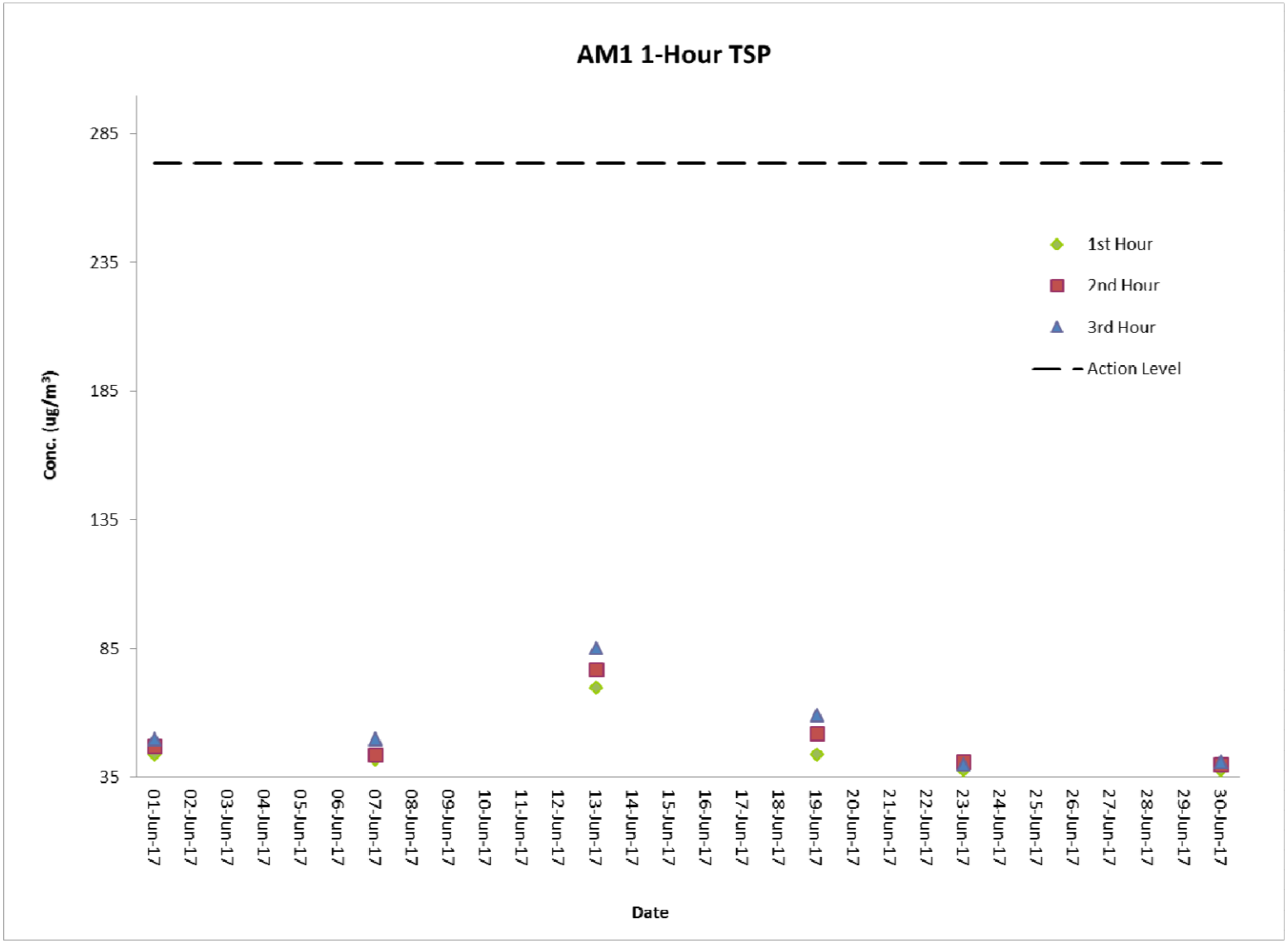
G. Graphical Plots of the Monitoring Results

Air Quality Monitoring Result at Station AM1 (1-hour TSP)

Date	Weather Condition	Time	Conc. (μg/m³)			Action Level (μg/m³)	Limit Level (μg/m³)
			1st Hour	2nd Hour	3rd Hour		
01-Jun-17	Fine	10:48 - 16:00	44	47	50	273.7	500
07-Jun-17	Sunny	10:40 - 16:00	42	44	50	273.7	500
13-Jun-17	Cloudy	14:00 - 17:00	70	77	85	273.7	500
19-Jun-17	Cloudy	10:40 - 16:00	44	52	59	273.7	500
23-Jun-17	Fine	8:02 - 11:02	38	41	40	273.7	500
30-Jun-17	Fine	8:00 - 11:00	38	40	41	273.7	500

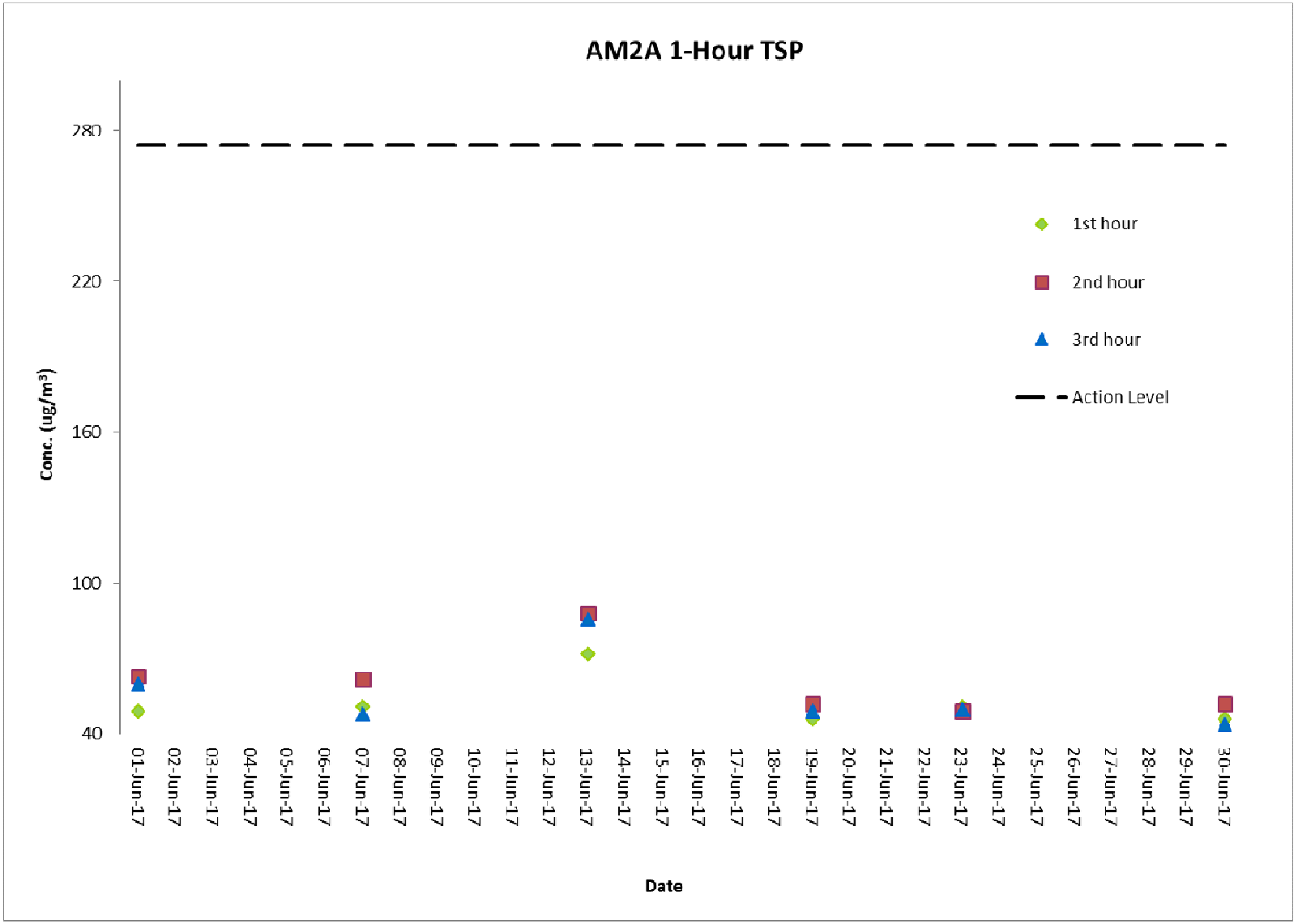
Graphical Presentation of Air Quality Monitoring Result at Station AM1 (1-hour TSP)



Air Quality Monitoring Result at Station AM2A (1-hour TSP)

Date	Weather Condition	Time	Conc. (μg/m^3)			Action Level (μg/m^3)	Limit Level (μg/m^3)
			1st Hour	2nd Hour	3rd Hour		
01-Jun-17	Fine	11:12 - 16:10	49	63	60	274.2	500
07-Jun-17	Sunny	10:52 - 16:10	51	62	48	274.2	500
13-Jun-17	Cloudy	14:12 - 17:12	72	88	86	274.2	500
19-Jun-17	Cloudy	10:52 - 16:10	46	52	49	274.2	500
23-Jun-17	Fine	8:14 - 11:14	51	49	50	274.2	500
30-Jun-17	Fine	8:12 - 11:12	46	52	44	274.2	500

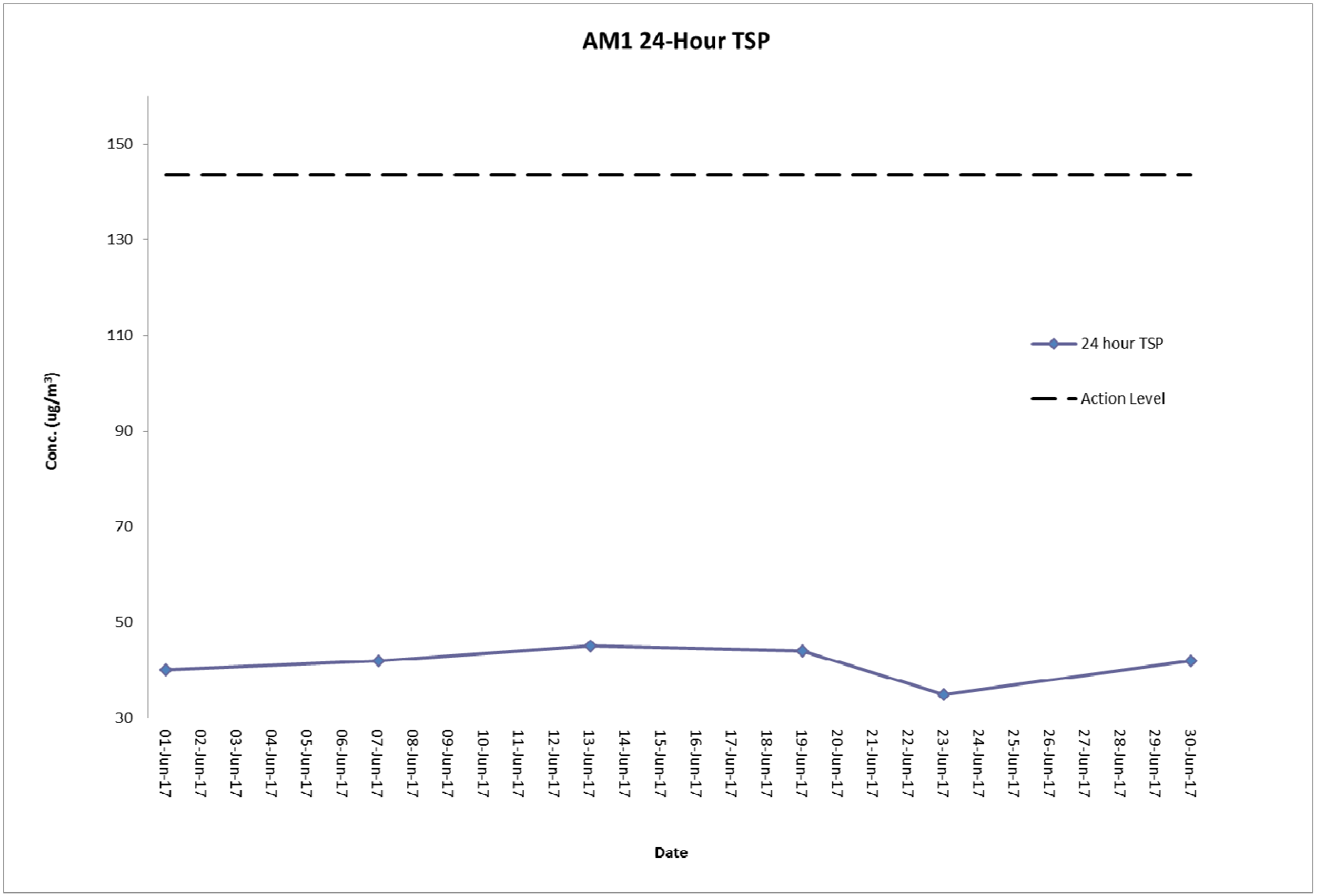
Graphical Presentation of Air Quality Monitoring Result at Station AM2A (1-hour TSP)



Air Quality Monitoring Result at Station AM1 (24-hour TSP)

Start		Finish		Filter Weight (g)		Elapsed Time Reading		Sampling Time (hrs)	Flow Rate (m^3/min)			Conc. ($\mu g/m^3$)	Weather Condition	Action Level	Limit Level
Date	Time	Date	Time	Initial	Final	Initial	Final		Initial	Final	Average				
01-Jun-17	11:00	02-Jun-17	11:00	2.6572	2.7284	21120.38	21144.38	24	1.25	1.25	1.25	40	Fine	143.6	260
07-Jun-17	10:38	08-Jun-17	10:38	2.6535	2.73	21144.38	21168.38	24	1.25	1.25	1.25	42	Sunny	143.6	260
13-Jun-17	14:02	14-Jun-17	14:02	2.62	2.7	21168.38	21192.38	24	1.23	1.23	1.23	45	Cloudy	143.6	260
19-Jun-17	10:42	20-Jun-17	10:42	2.633	2.711	21192.38	21216.38	24	1.23	1.23	1.23	44	Cloudy	143.6	260
23-Jun-17	08:00	24-Jun-17	08:00	2.6381	2.6997	21216.38	21240.38	24	1.23	1.23	1.23	35	Fine	143.6	260
30-Jun-17	08:02	01-Jul-17	08:02	2.6356	2.71	21240.38	21264.38	24	1.23	1.23	1.23	42	Fine	143.6	260

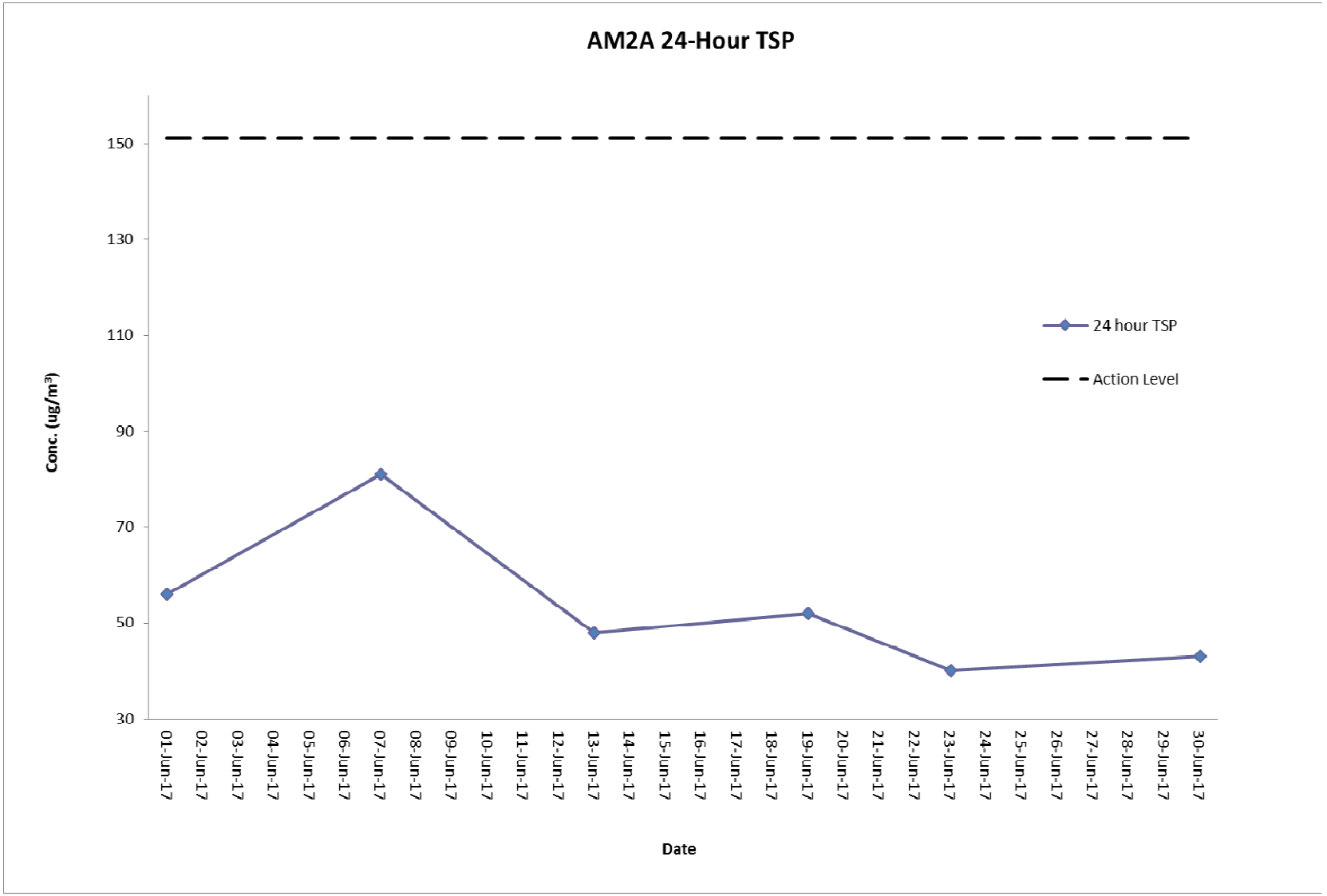
Graphical Presentation of Air Quality Monitoring Result at Station AM1 (24-hour TSP)



Air Quality Monitoring Result at Station AM2A (24-hour TSP)

Start		Finish		Filter Weight (g)		Elapsed Time Reading		Sampling Time (hrs)	Flow Rate (m^3/min)			Conc. ($\mu g/m^3$)	Weather Condition	Action Level	Limit Level
Date	Time	Date	Time	Initial	Final	Initial	Final		Initial	Final	Average				
01-Jun-17	11:10	02-Jun-17	11:10	2.6596	2.7628	16775.59	16799.59	24	1.28	1.28	1.28	56	Fine	151.1	260
07-Jun-17	10:50	08-Jun-17	10:50	2.6536	2.8022	16799.59	16823.59	24	1.28	1.28	1.28	81	Sunny	151.1	260
13-Jun-17	14:14	14-Jun-17	14:14	2.6312	2.7191	16823.59	16847.59	24	1.27	1.27	1.27	48	Cloudy	151.1	260
19-Jun-17	10:54	20-Jun-17	10:54	2.6609	2.7552	16847.59	16871.59	24	1.27	1.27	1.27	52	Cloudy	151.1	260
23-Jun-17	08:12	24-Jun-17	08:12	2.6265	2.7001	16871.59	16895.59	24	1.27	1.27	1.27	40	Fine	151.1	260
30-Jun-17	08:14	01-Jul-17	08:14	2.6221	2.7009	16895.59	16919.59	24	1.27	1.27	1.27	43	Fine	151.1	260

Graphical Presentation of Air Quality Monitoring Result at Station AM2A (24-hour TSP)



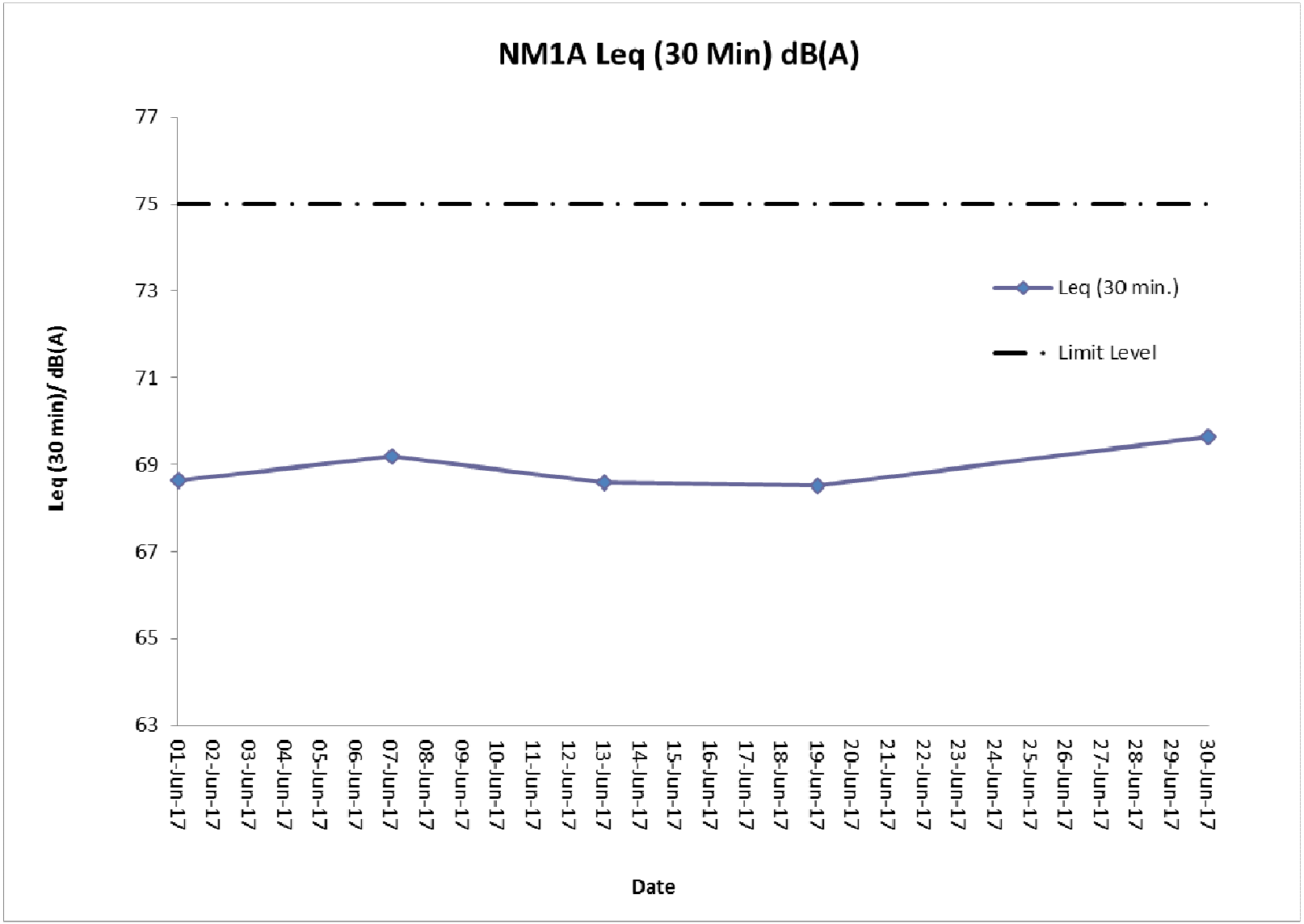
Noise Monitoring Result at Station NM1A

Date	Time	Measured L_{10} dB(A)	Measured L_{90} dB(A)	L_{eq} (30 min.) dB(A)
01-Jun-17	14:00	67.7	63.1	69
01-Jun-17	14:05	68.8	64.1	
01-Jun-17	14:10	67.7	63.8	
01-Jun-17	14:15	66.0	62.7	
01-Jun-17	14:20	66.7	62.9	
01-Jun-17	14:25	67.9	63.4	
07-Jun-17	14:00	68.0	63.7	69
07-Jun-17	14:05	67.1	62.7	
07-Jun-17	14:10	68.8	64.0	
07-Jun-17	14:15	68.0	63.5	
07-Jun-17	14:20	67.7	63.4	
07-Jun-17	14:25	69.2	64.1	
13-Jun-17	16:25	67.0	63.1	69
13-Jun-17	16:30	68.4	64.1	
13-Jun-17	16:35	67.0	63.9	
13-Jun-17	16:40	66.7	62.7	
13-Jun-17	16:45	68.0	63.9	
13-Jun-17	16:50	67.4	62.9	
19-Jun-17	14:00	68.0	64.1	69
19-Jun-17	14:05	67.1	63.2	
19-Jun-17	14:10	66.8	62.1	
19-Jun-17	14:15	66.7	61.7	
19-Jun-17	14:20	68.9	64.9	
19-Jun-17	14:25	68.0	63.2	
30-Jun-17	10:30	67.9	63.1	70
30-Jun-17	10:35	68.2	64.1	
30-Jun-17	10:40	67.9	63.9	
30-Jun-17	10:45	69.4	64.7	
30-Jun-17	10:50	68.8	64.4	
30-Jun-17	10:55	69.0	64.8	

Remarks:
+3dB (A) correction was applied to free-field measurement.

The station set-up of a free-field measurement at Station NM1A.

Graphical Presentation Noise Monitoring Result at Station NM1A



H. Meteorological Data Extracted from Hong Kong Observatory

EXTRACT OF METEOROLOGICAL OBSERVATIONS FOR HONG KONG,JUNE 2017 (Table 1)

Date June	Mean Pressure (hPa)	Air Temperature			Mean Dew Point Temperature (deg. C)	Mean Relative Humidity (%)	Mean Amount of Cloud (%)	Total Rainfall (mm)
		Maximum (deg. C)	Mean (deg. C)	Minimum (deg. C)				
1	1003.2	30.6	29.1	27.8	26.0	83	88	Trace
2	1002.6	30.6	29.4	28.6	26.6	85	88	Trace
3	1002.7	32.5	30.0	28.5	26.6	83	84	-
4	1003.6	31.2	30.0	29.3	26.5	81	88	Trace
5	1006.2	33.5	30.3	28.8	26.3	80	67	Trace
6	1009.2	33.8	30.4	28.5	26.0	78	59	Trace
7	1010.0	34.0	30.0	27.2	26.0	80	50	4.3
8	1009.9	32.5	29.8	28.3	25.9	80	63	-
9	1009.2	31.9	29.5	28.1	25.8	81	81	1.1
10	1008.3	33.8	29.9	28.0	25.7	79	77	Trace
11	1007.0	34.1	29.8	28.1	25.6	78	47	Trace
12	1001.9	30.0	27.6	25.3	25.2	87	80	37.7
13	1006.2	28.9	26.4	24.3	25.1	93	91	219.4
14	1008.6	29.5	28.3	25.5	25.5	85	88	15.6
15	1007.6	31.1	29.2	26.8	25.7	81	88	14.5
16	1005.1	29.6	29.0	27.8	26.1	85	88	13.5
17	1003.7	28.4	25.5	24.4	24.8	96	93	138.0
18	1004.7	27.3	26.2	24.7	24.6	91	91	24.2
19	1005.3	28.3	26.2	25.3	24.8	92	86	32.6
20	1005.1	28.2	26.5	25.2	24.9	91	88	24.8
21	1005.3	29.2	27.4	25.2	25.5	90	89	95.9
22	1007.8	32.4	29.3	28.0	25.7	81	80	Trace
23	1007.7	31.6	28.9	27.5	25.8	84	80	10.5
24	1006.3	30.8	28.5	26.4	25.8	85	79	18.3
25	1006.9	31.5	29.2	26.8	25.1	79	81	4.2
26	1008.4	32.0	29.8	28.6	25.4	78	85	0.1
27	1009.5	31.5	29.5	28.6	25.5	79	83	1.3
28	1010.2	32.3	29.7	28.2	25.2	77	58	-
29	1009.7	32.8	29.6	27.9	25.4	78	62	-
30	1007.8	33.7	29.9	27.6	24.8	75	64	-
Mean/Total	1006.7	31.3	28.8	27.2	25.6	83	78	656.0
Normal*	1006.1	30.2	27.9	26.2	24.6	82	77	456.1
Station	Hong Kong Observatory							

EXTRACT OF METEOROLOGICAL OBSERVATIONS FOR HONG KONG, JUNE 2017 (Table 2)

Date June	Number of hours of Reduced Visibility# (hours)	Total Bright Sunshine (hours)	Daily Global Solar Radiation (MJ/m^2)	Total Evaporation (mm)	Prevailing Wind Direction (degrees)	Mean Wind Speed (km/h)
1	0	1.3	11.85	2.7	240	37.8
2	0	0.5	8.58	2.0	240	36.1
3	0	6.2	21.85	4.8	240	30.5
4	0	1.5	9.44	2.4	210	22.9
5	0	5.2	18.70	3.8	160	21.3
6	0	6.5	20.57	4.9	150	19.4
7	0	10.3	26.98	5.3	150	14.6
8	0	8.3	22.67	4.0	120	15.4
9	0	7.8	22.51	4.5	120	20.6
10	0	8.7	21.66	4.3	150	16.1
11	0	8.7	21.00	5.7	130	10.8
12	0	4.4	17.54	1.1	080	53.5
13	0	-	2.12	1.7	240	32.0
14	0	-	6.78	1.3	210	19.8
15	0	3.0	14.42	3.4	230	31.3
16	0	-	4.84	2.7	230	40.3
17	0	-	2.94	2.1	230	19.8
18	0	-	6.11	1.8	250	16.2
19	0	0.3	7.08	1.8	260	11.7
20	0	0.2	4.84	1.8	240	13.9
21	0	0.4	4.86	1.0	210	27.6
22	0	5.6	18.16	3.3	210	22.4
23	0	5.2	15.87	4.2	180	19.5
24	0	6.1	17.32	3.6	190	23.0
25	0	8.4	22.74	4.7	240	25.6
26	0	6.3	21.40	4.3	230	28.1
27	0	5.1	16.66	3.7	230	24.8
28	0	10.7	26.97	5.1	240	18.3
29	0	8.8	22.86	4.5	230	9.5
30	0	9.4	23.34	4.9	150	7.9
Mean/Total	0	138.9	15.42	101.4	240	23.0
Normal*	17.6[§]	146.1	14.19	117.1	220	22.9
Station	Hong Kong International Airport	King's Park			Waglan Island^	

The minimum pressure recorded at the Hong Kong Observatory was 995.5 hectopascals at 2008 HKT on 12 June.
The maximum air temperature recorded at the Hong Kong Observatory was 34.1 degrees C at 1345 HKT on 11 June.
The minimum air temperature recorded at the Hong Kong Observatory was 24.3 degrees C at 0921 HKT on 13 June.

The maximum gust peak speed recorded at Waglan Island was 113 kilometres per hour from 010 degrees at 1953 HKT on 12 June.
The maximum 1-minute mean rainfall rate recorded at the Hong Kong Observatory was 164 millimetres per hour at 0848 HKT on 13 June.
Reduced visibility refers to visibility below 8 kilometres when there is no fog, mist or precipitation.
- The visibility readings at the Hong Kong International Airport are based on hourly observations by professional meteorological observers in 2004 and before, and average readings over the 10-minute period before the clock hour of the visibility meter near the middle of the south runway from 2005 onwards. The change of the data source in 2005 is an improvement of the visibility assessment using instrumented observations following the international trend.
- Before 10 October 2007, the number of hours of reduced visibility at the Hong Kong International Airport in 2005 and thereafter displayed in this web page was based on hourly visibility observations by professional meteorological observers. Since 10 October 2007, the data have been revised using the average visibility readings over the 10-minute period before the clock hour, as recorded by the visibility meter near the middle of the south runway.
^ In case the data are not available from Waglan Island, observations of Cheung Chau or other nearby weather stations will be incorporated in computing the Prevailing Wind Direction and Mean Wind Speed.
* 1981-2010 Climatlogical Normal, unless otherwise specified
§ 1997-2016 Mean value

Remarks:
Graphical presentations for wind speed and wind direction from the nearest HKO's weather station were not available.

I. Waste Flow table

M+ Museum

Table I-1: Monthly Waste Flow Table for M+ Museum

Month	Actual Quantities of Inert C&D Materials Generated Monthly							Actual Quantities of C&D Wastes Generated Monthly					
	Total Quantity Generated	Hard Rocks and Large Broken Concrete	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Disposed to Sorting Facility	Imported Fill	Metals	Paper/ Cardboard Packaging	Plastics	Wood/ Timber	Chemical Waste	Others, e.g. General Refuse
	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)
2015													
Nov	46607.4	0.0	0.0	8240.0	38367.4	0.0	0.0	76.2	0.0	0.0	0.0	0.0	67.6
Dec	29652.9	0.0	0.0	29621.4	31.5	0.0	0.0	26.3	0.0	0.0	0.0	1.0	66.0
Sub-total (2015)	76260.3	0.0	0.0	37861.4	38398.9	0.0	0.0	102.5	0.0	0.0	0.0	1.0	133.6
2016													
Jan	21077.4	0.0	6352.0	14576.0	149.4	0.0	0.0	18.8	0.0	0.0	0.0	0.0	23.2
Feb	7626.2	0.0	3424.0	4048.0	154.2	0.0	0.0	59.8	0.0	0.0	0.0	0.0	20.5
Mar	10442.5	0.0	1600.0	7888.0	954.5	0.0	0.0	29.7	0.0	0.0	0.0	0.0	46.3
Apr	30413.2	0.0	6352.0	23408.0	653.2	0.0	0.0	25.8	0.1	0.0	27.8	0.0	34.5
May	24083.5	0.0	112.0	23216.0	755.5	0.0	0.0	61.5	0.4	0.0	33.6	0.0	62.3
Jun	7880.1	0.0	4736.0	2384.0	760.1	0.0	0.0	106.6	0.1	0.0	14.6	0.0	52.8
Jul	5893.1	0.0	2656.0	2240.0	997.1	0.0	0.0	77.6	0.0	0.0	33.6	0.0	83.1
Aug	13709.6	0.0	0.0	12432.0	1277.6	0.0	0.0	111.3	0.3	0.0	38.5	0.0	104.9
Sep	6702.0	0.0	0.0	5648.0	1000.1	53.9	0.0	104.2	0.0	0.0	45.5	0.2	107.9
Oct	2103.6	0.0	0.0	496.0	1595.4	12.2	0.0	83.0	0.4	0.0	73.5	0.0	108.2
Nov	3302.7	0.0	0.0	2384.0	855.5	63.2	0.0	88.4	0.6	0.0	63.0	0.0	129.1
Dec	899.8	0.0	0.0	736.0	126.8	37.0	0.0	48.3	0.6	0.0	70.0	0.0	89.0
Sub-total (2016)	134133.5	0.0	25232.0	99456.0	9279.3	166.3	0.0	814.9	2.5	0.0	400.1	0.2	861.8
2017													
Jan	675.2	0.0	0.0	432.0	237.9	5.3	0.0	79.5	1.0	0.0	70.0	0.0	79.7
Feb	927.7	0.0	0.0	768.0	125.6	34.0	0.0	70.5	0.6	0.0	84.0	0.0	81.4
Mar	1881.3	0.0	0.0	1280.0	491.6	109.8	0.0	62.8	0.4	0.0	98.0	0.0	148.5
Apr	710.9	0.0	0.0	160.0	393.4	157.5	0.0	87.5	0.7	0.0	175.0	0.0	102.5
May	1153.7	0.0	0.0	528.0	452.0	173.7	0.0	71.1	0.0	0.0	280.0	0.0	139.0
June	650.0	0.0	0.0	0.0	451.6	198.4	0.0	58.2*	1.4	0.0	350.0	0.0	98.7
Sub-total (2017)	5998.8	0.0	0.0	3168.0	2152.1	678.7	0.0	429.6	4.1	0.0	1057.0	0.0	649.7
Total	216392.6	0.0	25232.0	140485.4	49830.2	845.0	0.0	1347.0	6.5	0.0	1457.1	1.2	1645.1

Note:

*Since some metal generation amounts are still outstanding at the time of this report submission, the actual total amount of metals generated in June 2017 will be updated in the next reporting month.

-40.78 ton, 119.16 ton and 291.63 ton of inert C&D material were disposed of as public fill to Chai Wan Public Fill Barging Point, Tuen Mun Area 38 and Tseung Kwan O Area 137 Public Fill respectively in the reporting month.

-For inert C&D materials reused in other projects, the projects refer to (1) Green Valley; (2) Advance Works for Shek Wu Hui Sewage Treatment Works (3) Design and Construction of Kai Tak Cable Tunnel, CLP; (4) MTR Contract 1002 Whampoa Station and Overrun Tunnel; (5) CEDD Tuen Mun Area 54 Contract No. CV/2015/03; (6) Union Construction Ltd.'s site; (7) Foundation Works at Marriot Hotel at Ocean Park.

Lyric Theatre Complex

Table I-2: Monthly Waste Flow Table for Lyric Theatre Complex

Month	Actual Quantities of Inert C&D Materials Generated Monthly							Actual Quantities of C&D Wastes Generated Monthly					
	Total Quantity Generated	Hard Rocks and Large Broken Concrete	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Disposed to Sorting Facilty	Imported Fill	Metals	Paper/ Cardboard Packaging	Plastics	Wood/ Timber	Chemical Waste	Others, e.g. General Refuse
	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)
2016													
Mar	2702.1	0.0	0.0	0.0	2702.1	0.0	0.0	4.5	0.1	0.0	0.0	0.0	30.6
Apr	8631.5	0.0	0.0	0.0	8631.5	0.0	0.0	16.0	0.0	0.0	0.0	0.0	19.2
May	12487.8	0.0	0.0	0.0	12487.8	0.0	0.0	34.0	0.0	0.0	0.0	0.7	60.5
Jun	8600.8	0.0	0.0	0.0	8600.8	0.0	0.0	31.4	0.2	0.0	0.0	0.5	13.5
Jul	12624.2	0.0	0.0	0.0	12624.2	0.0	0.0	19.6	0.0	0.0	0.0	2.0	9.9
Aug	14419.9	0.0	0.0	0.0	14419.9	0.0	0.0	43.9	0.0	0.0	0.0	0.0	11.1
Sep	13671.3	0.0	0.0	0.0	13671.3	0.0	0.0	59.8	0.0	0.0	0.0	1.6	12.4
Oct	13088.9	0.0	0.0	0.0	13088.9	0.0	0.0	37.1	0.2	1.5	0.0	0.0	15.2
Nov	12424.7	0.0	0.0	0.0	12424.7	0.0	0.0	74.7	0.0	0.0	0.0	1.4	10.2
Dec	12487.6	0.0	0.0	0.0	12487.6	0.0	0.0	13.9	0.0	0.0	0.0	1.3	9.0
Sub-total (2016)	111138.8	0.0	0.0	0.0	111138.8	0.0	0.0	334.7	0.4	1.5	0.0	7.6	191.6
2017													
Jan	9607.8	0.0	0.0	0.0	9607.8	0.0	0.0	29.5	0.0	0.0	0.0	0.0	7.3
Feb	9108.2	0.0	0.0	0.0	9108.2	0.0	0.0	50.2	0.2	0.0	0.0	0.7	9.8
Mar	11361.7	0.0	0.0	0.0	11361.7	0.0	0.0	16.1	0.0	0.0	0.0	1.4	8.5
Apr	2591.5	0.0	0.0	0.0	2591.5	0.0	0.0	35.7	0.0	0.0	0.0	0.0	4.7
May	2579.3	0.0	0.0	99.0	2480.3	0.0	0.0	20.9	0.1	0.0	0.0	0.5	10.0
Jun	476.0	0.0	0.0	341.0	129.7	5.3	0.0	0.0	0.0	0.0	0.0	0.0	7.6
Sub-total (2017)	35724.5	0.0	0.0	440.0	35279.3	5.3	0.0	152.4	0.3	0.0	0.0	2.7	47.8
Total	146863.3	0.0	0.0	440.0	146418.0	5.3	0.0	487.2	0.7	1.5	0.0	10.3	239.4

Note:
-129.72 tonnes of inert C&D material were disposed of as public fill to Tseung Kwan O Area 137 in the reporting month.

J. Environmental Mitigation Measures – Implementation Status

Table J-1: Environmental Mitigation Measures Implementation Status

EM&A Ref.	Recommendation Measures	Implementation Stage	
		M+ Museum	Lyric Theatre Complex
Air Quality Impact (Construction)			
2.1 & 10.3.1	**General Dust Control Measures** Frequent water spraying for active construction areas (12 times a day or once every one hour), including Heavy construction activities such as construction of buildings or roads, drilling, ground excavation, cut and fill operations (i.e., earth moving)	Obs	Obs
2.1 & 10.3.1	**Best Practice For Dust Control** The relevant best practices for dust control as stipulated in the Air Pollution Control (construction Dust) Regulation should be adopted to further reduce the construction dust impacts from the Project. These best practices include:		
	Good Site Management		
	• Good site management is important to help reducing potential air quality impact down to an acceptable level. As a general guide, the Contractor should maintain high standard of housekeeping to prevent emission of fugitive dust. Loading, unloading, handling and storage of raw materials, wastes or by-products should be carried out in a manner so as to minimise the release of visible dust emission. Any piles of materials accumulated on or around the work areas should be cleaned up regularly. Cleaning, repair and maintenance of all plant facilities within the work areas should be carried out in a manner minimising generation of fugitive dust emissions. The material should be handled properly to prevent fugitive dust emission before cleaning.	Obs	✓
	Disturbed Parts of the Roads		
	• Each and every main temporary access should be paved with concrete, bituminous hardcore materials or metal plates and kept clear of dusty materials; or	✓	✓
	• Unpaved parts of the road should be sprayed with water or a dust suppression chemical so as to keep the entire road surface wet.	✓	✓
	Exposed Earth		
	• Exposed earth should be properly treated by compaction, hydroseeding, vegetation planting or seating with latex, vinyl, bitumen within six months after the last construction activity on the site or part of the site where the exposed earth lies.	N/A	N/A
	Loading, Unloading or Transfer of Dusty Materials		
	• All dusty materials should be sprayed with water immediately prior to any loading or transfer operation	✓	✓

EM&A Ref.	Recommendation Measures	Implementation Stage	
		M+ Museum	Lyric Theatre Complex
	so as to keep the dusty material wet.		
	Debris Handling		
	• Any debris should be covered entirely by impervious sheeting or stored in a debris collection area sheltered on the top and the three sides.	✓	✓
	• Before debris is dumped into a chute, water should be sprayed so that it remains wet when it is dumped.	✓	✓
	Transport of Dusty Materials		
	• Vehicle used for transporting dusty materials/spoils should be covered with tarpaulin or similar material. The cover should extend over the edges of the sides and tailboards.	✓	✓
	Wheel washing		
	• Vehicle wheel washing facilities should be provided at each construction site exit. Immediately before leaving the construction site, every vehicle should be washed to remove any dusty materials from its body and wheels.	✓	✓
	Use of vehicles		
	• The speed of the trucks within the site should be controlled to about 10km/hour in order to reduce adverse dust impacts and secure the safe movement around the site.	✓	✓
	• Immediately before leaving the construction site, every vehicle should be washed to remove any dusty materials from its body and wheels.	✓	✓
	• Where a vehicle leaving the construction site is carrying a load of dusty materials, the load should be covered entirely by clean impervious sheeting to ensure that the dusty materials do not leak from the vehicle.	✓	✓
	Site hoarding		
	• Where a site boundary adjoins a road, street, service lane or other area accessible to the public, hoarding of not less than 2.4m high from ground level should be provided along the entire length of that portion of the site boundary except for a site entrance or exit.	✓	✓
2.1 & 10.3.1	**Best Practicable Means for Cement Works (Concrete Batching Plant)** The relevant best practices for dust control as stipulated in the Guidance Note on the Best Practicable Means for Cement Works (Concrete Batching Plant) BPM 3/2(93) should be followed and implemented to further reduce the construction dust impacts of the Project. These best practices include: Exhaust from Dust Arrestment Plant		

EM&A Ref.	Recommendation Measures	Implementation Stage	
		M+ Museum	Lyric Theatre Complex
	• Wherever possible the final discharge point from particulate matter arrestment plant, where is not necessary to achieve dispersion from residual pollutants, should be at low level to minimise the effect on the local community in the case of abnormal emissions and to facilitate maintenance and inspection	✓	✓
	Emission Limits		
	• All emissions to air, other than steam or water vapour, shall be colourless and free from persistent mist or smoke	✓	✓
	Engineering Design/Technical Requirements		
	• As a general guidance, the loading, unloading, handling and storage of fuel, raw materials, products, wastes or by-products should be carried out in a manner so as to prevent the release of visible dust and/or other noxious or offensive emissions	✓	✓
-	**Non-Road Mobile Machinery (NRMM):**		
	All NRMMs operating on-site which are subject to emission control of Air Pollution Control (Non-road Mobile Machinery) (Emission) Regulation are approved/exempted (as the case may be) and affixed with the requisite approval/exemption labels.	✓	✓
Noise Impact (Construction)			
3.1 & 10.4.1	**Good Site Practice**		
	Good site practice and noise management can significantly reduce the impact of construction site activities on nearby NSRs. The following package of measures should be followed during each phase of construction:		✓
	• only well-maintained plant to be operated on-site and plant should be serviced regularly during the construction works;	Obs	
	• machines and plant that may be in intermittent use to be shut down between work periods or should be throttled down to a minimum;	✓	✓
	• plant known to emit noise strongly in one direction, should, where possible, be orientated to direct noise away from the NSRs;	✓	✓
	• mobile plant should be sited as far away from NSRs as possible; and	✓	✓
	• material stockpiles and other structures to be effectively utilised, where practicable, to screen noise from on-site construction activities.	✓	✓
3.1 & 10.4.1	**Adoption of Quieter PME**		
	The recommended quieter PME adopted in the assessment were taken from the EPD's QPME Inventory and "*Sound Power Levels of Other Commonly Used PME*" are presented in **Table 4.26** in the EIA report. It should be noted that the silenced PME selected for assessment can be found in Hong Kong.	N/A	N/A

EM&A Ref.	Recommendation Measures	Implementation Stage	
		M+ Museum	Lyric Theatre Complex
3.1 & 10.4.1	**Use of Movable Noise Barriers** Movable noise barriers can be very effective in screening noise from particular items of plant when constructing the Project. Noise barriers located along the active works area close to the noise generating component of a PME could produce at least 10 dB(A) screening for stationary plant and 5 dB(A) for mobile plant provided the direct line of sight between the PME and the NSRs is blocked.	✓	✓
3.1 & 10.4.1	**Use of Noise Enclosure/ Acoustic Shed** The use of noise enclosure or acoustic shed is to cover stationary PME such as air compressor and concrete pump. With the adoption of the noise enclosure, the PME could be completely screened, and noise reduction of 15 dB(A) can be achieved according to the EIAO Guidance Note No.9/2010.	N/A	N/A
3.1 & 10.4.1	**Use of Noise Insulating Fabric** Noise insulating fabric can also be adopted for certain PME (e.g. drill rig, pilling machine etc). The fabric should be lapped such that there are no openings or gaps on the joints. According to the approved Tsim Sha Tsui Station Northern Subway EIA report (AEIAR-127/2008), a noise reduction of 10 dB(A) can be achieved for the PME lapped with the noise insulating fabric.	✓	✓
3.1 & 10.4.1	**Scheduling of Construction Works outside School Examination Periods** During construction phase, the contractor should liaise with the educational institutions (including NSRs LCS and CRGPS) to obtain the examination schedule and avoid the noisy construction activities during school examination periods.	N/A	N/A
Water Quality Impact (Construction)			
4.1 & 10.5.1	**Construction site runoff and drainage** The site practices outlined in ProPECC Note PN 1/94 should be followed as far as practicable in order to minimise surface runoff and the chance of erosion. The following measures are recommended to protect water quality and sensitive uses of the coastal area, and when properly implemented should be sufficient to adequately control site discharges so as to avoid water quality impacts: • At the start of site establishment, perimeter cut-off drains to direct off-site water around the site should be constructed with internal drainage works and erosion and sedimentation control facilities implemented. Channels, earth bunds or sand bag barriers should be provided on site to direct storm water to silt removal facilities. The design of the temporary on-site drainage system should be undertaken by the WKCDA's Contractor prior to the commencement of construction;	Obs	✓
	• Sand/silt removal facilities such as sand/silt traps and sediment basins should be provided to remove sand/silt particles from runoff to meet the requirements of the TM standards under the WPCO. The design of efficient silt removal facilities should be based on the guidelines in Appendix A1 of ProPECC Note PN 1/94. Sizes may vary depending upon the flow rate. The detailed design of the sand/silt traps should be undertaken by the WKCDA's Contractor prior to the commencement of construction.	✓	✓
	• All drainage facilities and erosion and sediment control structures should be regularly inspected and	Obs	Obs

EM&A Ref.	Recommendation Measures	Implementation Stage	
		M+ Museum	Lyric Theatre Complex
	maintained to ensure proper and efficient operation at all times and particularly during rainstorms. Deposited silt and grit should be regularly removed, at the onset of and after each rainstorm to ensure that these facilities are functioning properly at all times.		
	• Measures should be taken to minimize the ingress of site drainage into excavations. If excavation of trenches in wet periods is necessary, they should be dug and backfilled in short sections wherever practicable. Water pumped out from foundation excavations should be discharged into storm drains via silt removal facilities.	✓	✓
	• All vehicles and plant should be cleaned before leaving a construction site to ensure no earth, mud, debris and the like is deposited by them on roads. An adequately designed and sited wheel washing facility should be provided at construction site exit where practicable. Wash-water should have sand and silt settled out and removed regularly to ensure the continued efficiency of the process. The section of access road leading to, and exiting from, the wheel-wash bay to the public road should be paved with sufficient backfall toward the wheel-wash bay to prevent vehicle tracking of soil and silty water to public roads and drains.	✓	✓
	• Open stockpiles of construction materials or construction wastes on-site should be covered with tarpaulin or similar fabric during rainstorms. Measures should be taken to prevent the washing away of construction materials, soil, silt or debris into any drainage system.	✓	✓
	• Manholes (including newly constructed ones) should be adequately covered and temporarily sealed so as to prevent silt, construction materials or debris being washed into the drainage system and stormwater runoff being directed into foul sewers.	✓	✓
	• Precautions should be taken at any time of the year when rainstorms are likely. Actions should be taken when a rainstorm is imminent or forecasted and actions to be taken during or after rainstorms are summarized in Appendix A2 of ProPECC Note PN 1/94. Particular attention should be paid to the control of silty surface runoff during storm events, especially for areas located near steep slopes.	Obs	✓
	• Bentonite slurries used in piling or slurry walling should be reconditioned and reused wherever practicable. Temporary enclosed storage locations should be provided on-site for any unused bentonite that needs to be transported away after all the related construction activities are completed. The requirements in ProPECC Note PN 1/94 should be adhered to in the handling and disposal of bentonite slurries.	N/A	N/A
	Barging facilities and activities		
	Recommendations for good site practices during operation of the proposed barging point include:		
	• All vessels should be sized so that adequate clearance is maintained between vessels and the seabed in all tide conditions, to ensure that undue turbidity is not generated by turbulence from vessel movement or propeller wash;	N/A	N/A
	• Loading of barges and hoppers should be controlled to prevent splashing of material into the surrounding water. Barges or hoppers should not be filled to a level that will cause the overflow of	N/A	N/A

EM&A Ref.	Recommendation Measures	Implementation Stage	
		M+ Museum	Lyric Theatre Complex
	materials or polluted water during loading or transportation; • All hopper barges should be fitted with tight fitting seals to their bottom openings to prevent leakage of material; and • Construction activities should not cause foam, oil, grease, scum, litter or other objectionable matter to be present on the water within the site.	N/A N/A	N/A N/A
4.1 & 10.5.1	**Sewage effluent from construction workforce** Temporary sanitary facilities, such as portable chemical toilets, should be employed on-site where necessary to handle sewage from the workforce. A licensed contractor should be employed to provide appropriate and adequate portable toilets and be responsible for appropriate disposal and maintenance.	✓	✓
4.1 & 10.5.1	**General construction activities** • Construction solid waste, debris and refuse generated on-site should be collected, handled and disposed of properly to avoid entering any nearby storm water drain. Stockpiles of cement and other construction materials should be kept covered when not being used. • Oils and fuels should only be stored in designated areas which have pollution prevention facilities. To prevent spillage of fuels and solvents to any nearby storm water drain, all fuel tanks and storage areas should be provided with locks and be sited on sealed areas, within bunds of a capacity equal to 110% of the storage capacity of the largest tank. The bund should be drained of rainwater after a rain event.	✓ Obs	✓ Rem/Obs
Waste Management Implications (Construction)			
6.1 & 10.7.1	**Good Site Practices** Recommendations for good site practices during the construction activities include: • Nomination of an approved person, such as a site manager, to be responsible for good site practices, arrangements for collection and effective disposal to an appropriate facility, of all wastes generated at the site • Training of site personnel in proper waste management and chemical handling procedures • Provision of sufficient waste disposal points and regular collection of waste • Appropriate measures to minimise windblown litter and dust/odour during transportation of waste by either covering trucks or by transporting wastes in enclosed containers • Provision of wheel washing facilities before the trucks leaving the works area so as to minimise dust introduction to public roads • Well planned delivery programme for offsite disposal such that adverse environmental impact from transporting the inert or non-inert C&D materials is not anticipated	✓ ✓ Obs ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓ ✓

EM&A Ref.	Recommendation Measures	Implementation Stage	
		M+ Museum	Lyric Theatre Complex
6.1 & 10.7.1	**Waste Reduction Measures** Recommendations to achieve waste reduction include:		
	• Sort inert C&D material to recover any recyclable portions such as metals	✓	✓
	• Segregation and storage of different types of waste in different containers or skips to enhance reuse or recycling of materials and their proper disposal	✓	✓
	• Encourage collection of recyclable waste such as waste paper and aluminium cans by providing separate labelled bins to enable such waste to be segregated from other general refuse generated by the work force	✓	✓
	• Proper site practices to minimise the potential for damage or contamination of inert C&D materials	✓	✓
	• Plan the use of construction materials carefully to minimise amount of waste generated and avoid unnecessary generation of waste	✓	✓
6.1 & 10.7.1	**Inert and Non-inert C&D Materials** In order to minimise impacts resulting from collection and transportation of inert C&D material for off-site disposal, the excavated materials should be reused on-site as fill material as far as practicable. In addition, inert C&D material generated from excavation works could be reused as fill materials in local projects that require public fill for reclamation.	✓	✓
	• The surplus inert C&D material will be disposed of at the Government's PFRFs for beneficial use by other projects in Hong Kong.	✓	✓
	• Liaison with the CEDD Public Fill Committee (PFC) on the allocation of space for disposal of the inert C&D materials at PFRF is underway. No construction work is allowed to proceed until all issues on management of inert C&D materials have been resolved and all relevant arrangements have been endorsed by the relevant authorities including PFC and EPD.	✓	✓
	• The C&D materials generated from general site clearance should be sorted on site to segregate any inert materials for reuse or disposal of at PFRFs whereas the non-inert materials will be disposed of at the designated landfill site.	✓	✓
	• In order to monitor the disposal of inert and non-inert C&D materials at respectively PFRFs and the designated landfill site, and to control fly-tipping, it is recommended that the Contractor should follow the Technical Circular (Works) No.6/2010 for Trip Ticket System for Disposal of Construction & Demolition Materials issued by Development Bureau. In addition, it is also recommended that the Contractor should prepare and implement a Waste Management Plan detailing their various waste arising and waste management practices in accordance with the relevant requirements of the Technical Circular (Works) No. 19/2005 Environmental Management on Construction Site.	✓	✓

EM&A Ref.	Recommendation Measures	Implementation Stage	
		M+ Museum	Lyric Theatre Complex
6.1 & 10.7.1	**Chemical Waste**		
	• If chemical wastes are produced at the construction site, the Contractor will be required to register with the EPD as a chemical waste producer and to follow the guidelines stated in the "Code of Practice on the Packaging Labelling and Storage of Chemical Wastes". Good quality containers compatible with the chemical wastes should be used, and incompatible chemicals should be stored separately. Appropriate labels should be securely attached on each chemical waste container indicating the corresponding chemical characteristics of the chemical waste, such as explosive, flammable, oxidizing, irritant, toxic, harmful, corrosive, etc. The Contractor should use a licensed collector to transport and dispose of the chemical wastes at the approved Chemical Waste Treatment Centre or other licensed recycling facilities, in accordance with the Waste Disposal (Chemical Waste) (General) Regulation.	Obs	Rem/Obs
	• Potential environmental impacts arising from the handling activities (including storage, collection, transportation and disposal of chemical waste) are expected to be minimal with the implementation of appropriate mitigation measures as recommended.	✓	✓
6.1 & 10.7.1	**General Refuse**		
	General refuse should be stored in enclosed bins or compaction units separated from inert C&D materials. A reputable waste collector should be employed by the Contractor to remove general refuse from the site, separately from inert C&D materials. Preferably an enclosed and covered area should be provided to reduce the occurrence of 'wind blown' light material.	✓	✓
Land Contamination (Construction)			
7.1 & 10.8.1	The potential for land contamination issues at the TST Fire Station due to its future relocation will be confirmed by site investigation after land acquisition. Where necessary, mitigation measures for minimising potential exposure to contaminated materials (if any) or remediation measures will be identified. If contaminated land is identified (e.g., during decommissioning of fuel oil storage tanks) after the commencement of works, mitigation measures are proposed in order to minimise the potentially adverse effects on the health and safety of construction workers and impacts arising from the disposal of potentially contaminated materials.		
	The following measures are proposed for excavation and transportation of contaminated material:		
	• To minimize the chance for construction workers to come into contact with any contaminated materials, bulk earth-moving excavation equipment should be employed;	N/A	N/A
	• Contact with contaminated materials can be minimised by wearing appropriate clothing and personal protective equipment such as gloves and masks (especially when interacting directly with contaminated material), provision of washing facilities and prohibition of smoking and eating on site;	N/A	N/A
	• Stockpiling of contaminated excavated materials on site should be avoided as far as possible;	N/A	N/A

EM&A Ref.	Recommendation Measures	Implementation Stage	
		M+ Museum	Lyric Theatre Complex
	• The use of contaminated soil for landscaping purpose should be avoided unless pre-treatment was carried out;	N/A	N/A
	• Vehicles containing any contaminated excavated materials should be suitably covered to reduce dust emissions and/or release of contaminated wastewater;	N/A	N/A
	• Truck bodies and tailgates should be sealed to stop any discharge;	N/A	N/A
	• Only licensed waste haulers should be used to collect and transport contaminated material to treatment/disposal site and should be equipped with tracking system to avoid fly tipping;	N/A	N/A
	• Speed control for trucks carrying contaminated materials should be exercised;	N/A	N/A
	• Observe all relevant regulations in relation to waste handling, such as Waste Disposal Ordinance (Cap 354), Waste Disposal (Chemical Waste) (General) Regulation (Cap 354) and obtain all necessary permits where required; and	N/A	N/A
	• Maintain records of waste generation and disposal quantities and disposal arrangements.	N/A	N/A
Ecological Impact (Construction)			
	No mitigation measure is required.		
Landscape and Visual Impact (Construction)			
Table 9.1 & 10.8 (CM1)	Trees should be retained in situ on site as far as possible. Should tree removal be unavoidable due to construction impacts, trees will be transplanted or felled with reference to the stated criteria in the Tree Removal Applications to be submitted to relevant government departments for approval in accordance to ETWB TCW No. 29/2004 and 3/2006.	✓	N/A
Table 9.1 & 10.8 (CM2)	Compensatory tree planting shall be incorporated to the proposed project and maximize the new tree, shrubs and other vegetation planting to compensate tree felled and vegetation removed. Also, implementation of compensatory planting should be of a ratio not less than 1:1 in terms of quality and quantity within the site.	N/A	N/A
Table 9.1 & 10.8 (CM3)	Buffer trees for screening purposes to soften the hard architectural and engineering structures and facilities.	N/A	N/A
Table 9.1 & 10.8 (CM4)	Softscape treatments such as vertical green wall panel /planting of climbing and/or weeping plants, etc, to maximize the green coverage and soften the hard architectural and engineering structures and facilities.	N/A	N/A
Table 9.1 & 10.8 (CM5)	Roof greening by means of intensive and extensive green roof to maximize the green coverage and improve aesthetic appeal and visual quality of the building/structure.	N/A	N/A
Table 9.1 & 10.8 (CM6)	Sensitive streetscape design should be incorporated along all new roads and streets.	N/A	N/A

EM&A Ref.	Recommendation Measures	Implementation Stage	
		M+ Museum	Lyric Theatre Complex
Table 9.1 & 10.8 (CM7)	Structure, ornamental planting shall be provided along amenity strips to enhance the landscape quality.	N/A	N/A
Table 9.1 & 10.8 (CM8)	Landscape design shall be incorporated to architectural and engineering structures in order to provide aesthetically pleasing designs.	N/A	N/A
Table 9.1 (CM9)	Minimize the structure of marine facilities to built on the seabed and foreshore in order to minimize the affected extent to the waterbody	N/A	N/A
Table 9.2 & 10.9 (MCP1)	Use of decorative screen hoarding/boards	✓	✓
Table 9.2 & 10.9 (MCP2)	Early introduction of landscape treatments	N/A	N/A
Table 9.2 & 10.9 (MCP3)	Adoption of light colour for the temporary ventilation shafts for the basement during the transition period.	N/A	N/A
Table 9.2 & 10.9 (MCP4)	Control of night time lighting	✓	✓
Table 9.2 & 10.9 (MCP5)	Use of greenery such as grass cover for the temporary open areas will help achieve the visual balance and soften the hard edges of the structures.	N/A	N/A

N/A - Not Applicable
✓ - Implemented
Obs - Observed
Rem - Reminder

K. Cumulative Statistics on Complaints, Notifications of Summons and Successful Prosecutions

Cumulative statistics for complaints, notifications of summons and successful prosecutions for the Project account for period starting from the date of commencement of construction works (i.e. 31 October 2015 for M+ Museum main works and 1 March 2016 for Lyric Theatre Complex foundation works) to the end of the reporting month and are summarized in the **Table K-1** and **Table K-2** below respectively.

Table K-1: Statistics for complaints, notifications of summons and successful prosecutions for M+ Museum Main Works

Reporting Period	Cumulative Statistics		
	Complaints	**Notifications of summons**	**Successful prosecutions**
This reporting month	0	0	0
From 31 October 2015 to end of the reporting month	3	1	0

Table K-2: Statistics for complaints, notifications of summons and successful prosecutions for Lyric Theatre Complex Foundation Works

Reporting Period	Cumulative Statistics		
	Complaints	**Notifications of summons**	**Successful prosecutions**
This reporting month	0	0	0
From 1 March 2016 to end of the reporting month	5	0	0