PROJECT: NIHON UNIVERSITY NEWCASTLE CAMPUS

Monthly Progress Control Group Report

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Prepared By	Ben Moss (Built Pty Ltd)

TEMPLATE OWNER: ENTERPRISE PROJECT CAPABILITY (v 12 DEC 10)

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Document Control

Revision History

Version	Author	Issue Date	Changes
Draft A	Ben Moss	16.01.2020	Draft Report
Rev 1	Ben Moss	20.01.2020	Approved
PCG Report 01	Ben Moss	31.01.2020	January 2020
PCG Report 02	Ben Moss	28.02.2020	February 2020
PCG Report 03	Ben Moss	27.03.2020	March 2020
PCG Report 04	Ben Moss	29.04.2020	April 2020

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1. Introduction

Built NSW Pty Ltd has been engaged by Nihon Daigaku Australia Newcastle Pty Ltd, c\o Azusa Sekkei & dwp Australia Pty Ltd to undertake the project and works associated with the redevelopment of the existing heritage listed Newcastle Courthouse site for the new Nihon University Newcastle Campus located at 9 Church Street, Newcastle NSW Australia.

Built NSW has been engaged under a Design & Construct (D&C) Contract for the Services and Structural (excluding Heritage Building) packages whilst all other packages are Construct Only.

The project consists of the complete demolition of 2 x existing 3 storey buildings, site remediation (including the management of any resultant contamination, mine workings or archaeological findings, the restoration and refurbishment of the retained and state heritage listed Newcastle Courthouse building and the construction of 2 x 4 storey buildings comprising student accommodation in the eastern building and teaching space\carpark in the western building.

2. Project Details

Date of Site Report: 29th April 2020

Prepared by Company: Built Pty Ltd

Address: Level 1, 155-157 Lambton Rd, Broadmeadow, NSW 2290

Contact: Rob McLaughlin

Phone: 02 4077 5906 **Email: robertmclaughlin@built.com.au**

Project No: 201229

Project Name: Nihon University Newcastle Campus

Address: 9 Church Street, Newcastle, NSW 2300

Client: Nihon Daigaku Australia C/O Azusa Sekkei

Architect / Head Contract Administration: dwp Australia Pty Ltd

Superintendent's Address: 16 Telford Street, Newcastle East, NSW 2300

Contact: Ed Clode

Phone: 02 4926 5222 **Email: Edward.c@dwp.com**

3. Report

3.1 HSE Overview

HSE performance for April 2020 has been excellent and evident with zero health and safety incidents and several minor environmental issues related to community complaints regarding noise and vibration occurring.

High risk construction works onsite throughout April consisted of demolition, excavation and earthworks, and the commencement of mine subsidence drilling. Built and subcontractors have been proactive in identifying and mitigating potential hazards onsite through regular communication consisting of daily toolbox talks and weekly consultative project inspections.

Additional sanitary and hygiene measures have been implemented onsite in response to the ongoing COVID-19 pandemic. Measures include social distancing where possible (including staggered break times) and additional PPE, hand sanitiser/soap stations, signage/posters and increased cleaning of site amenities and office areas.

A summary of HSE issues for April 2020 is outlined in Table 1 below.

The HSE Incident Register is attached in **Appendix A.**

Table 1: HSE Incident Summary

DATE OF ISSUE	BRIEF SUMMARY OF ISSUE	CORRECTIVE ACTION COMPLETED
02.04.2020 06.04.2020	Resident complaint regarding vibration causing discomfort and cosmetic damage. Refer to Community Complaints (2004-CC006 & 2004-CC011 respectively).	Vibration causing activities onsite involved compaction of earthworks. Monitoring undertaken onsite and at a property adjacent to the complaint location had identified that the activities were within the vibration criteria for both structural/cosmetic damage and human comfort. Structural engineer inspection of property determined no additional and/or worsening of damage caused by construction activities.
06.04.2020	Resident complaint regarding vehicle entering site with an uncovered load on 04.04.2020 Refer to Community Complaint (2004-CC012)	Built received the complaint two days after the incident occurred. It was advised that the load cover had been retracted as it was turning into the site access gate. The incident was raised with Subcontractors to reinforce requirements for loads to be covered until inside site boundary.
08.04.2020	Employee complaint regarding noise created from grinding/jackhammering. Refer to Community Complaint (2004-CC013)	Site inspection found that grinding/jackhammering works were being completed behind 2.4m plywood hoarding and short term only. A spot check of noise levels from the footpath in front of the property determined that noise levels (75 dBA) were exceeded for a period of 5 min only. Noisy works were completed by the time spot check monitoring was completed.

3.2 Community Liaison Overview

In accordance with SSD-9787 Conditions of Consent and BUILT's Community Liaison Plan, BUILT has liaised with nearby residents, businesses, and organisations. BUILT intends to work closely with our neighbours for the duration of the Nihon University project by regularly updating and consulting stakeholders on upcoming works and overall construction progress.

BUILT has also established a Community Liaison email account (nihon@built.com.au) that is monitored by the Community Liaison Officers daily and a 24-hour contact number is present on project signage located on Church Street access gates.

BUILT maintains a register of all community complaints, notices, and queries received to ensure compliance with SSD conditions and reporting requirements.

A brief summary of community liaison in April 2020 is outlined in Table 2 below.

The Community Liaison Register for April 2020 is attached in **Appendix B**.

Table 2: Community Liaison Summary

DATE OF ISSUE	BRIEF SUMMARY OF ISSUE	RESPONSE / ACTIONS COMPLETED
02.04.2020	2004-CC006 Resident complaint regarding vibration causing discomfort during earthworks.	Responded to the resident advising that monitoring activities had been completed and vibration levels were compliant. Work activities were compliant with all requirements and closely monitored by both Built personnel and Geotechnical Engineers. No further action required.
03.04.2020	2004-CC007 Resident complaint regarding workers not wearing PPE or practicing social distancing onsite.	Issue investigated by Built personnel. PPE & social distancing requirements reinforced with all site personnel.
03.04.2020	2004-CC008 Resident complaint regarding notice of extended working hours in accordance with NSW Government Environmental Planning and Assessment (COVID-19 Development – Construction Work Days) Order 2020.	Built revised extended working hours to Saturdays only for the short term.
03.04.2020	2004-CC009 Resident complaint regarding notice of extended working hours in accordance with NSW Government Environmental Planning and Assessment (COVID-19 Development – Construction Work Days) Order 2020.	Built revised extended working hours to Saturdays only for the short term.
03.04.2020	2004-CC010 Resident complaint regarding notice of extended working hours in accordance with NSW Government Environmental Planning and Assessment (COVID-19 Development – Construction Work Days) Order 2020.	Built revised extended working hours to Saturdays only for the short term.
06.04.2020	2004-CC011	Vibration monitoring completed during earthworks within the site and at the

DATE OF ISSUE	BRIEF SUMMARY OF ISSUE	RESPONSE / ACTIONS COMPLETED
	Resident complaint regarding vibration causing cosmetic damage during earthworks.	property adjacent to complainant property showed compliance with vibration criteria for structural/cosmetic damage. Inspection completed at the property by Structural Engineer on 08/04/2020. The engineer determined that damage was existing and had not worsened.
06.04.2020	2004-CC012 Resident complaint regarding vehicle entering site with an uncovered load on 04.04.2020	Issue investigated by Built personnel. Traffic management requirements reinforced with all site personnel.
08.04.2020	2004-CC013 Employee complaint regarding excessive noise due to grinding/jackhammering works onsite.	Issue investigated by Built Personnel including noise level spot check. Minor exceedance detected. Work activity was short term and completed behind site hoarding. No further actions required.

3.3 Audits & Monitoring

Throughout the Nihon University Newcastle Campus project, Health, Safety, Environmental & Quality (HSEQ) Audits will be undertaken internally by BUILT and externally by an Independent Third-Party Auditor (GHD Group Pty Ltd Newcastle) in compliance with both BUILT Management Systems and SSD-9787 Conditions.

Built has engaged a qualified and experienced Acoustic Consultant to conduct noise and vibration monitoring throughout the duration of the project. Built personnel also regularly conducts spot checks on noise levels caused by construction activities, plant, and equipment.

A summary of these audit and monitoring activities is outlined in Sections 3.3.1 & 3.3.2 below.

3.3.1 Internal Audits & Monitoring

RAPT Consulting has been conducting vibration monitoring on the Western area of site between 15th to 28th April 2020, however, the monitoring report by RAPT is expected to be issued by 30th April 2020

RAPT is also scheduled to complete Operator Attended Noise Monitoring on 30/04/2020 due to the commencement of Piling works onsite. Both reports will be included in the PCG Report for May 2020.

Built completed numerous HSE site inspections and monitoring activities in accordance with the Project HSE Plan. Inspections and monitoring activities are completed and stored electronically using Built.Safe software.

A summary of internal audit and monitoring activities for April 2020 are outlined in Table 3 below.

Copies of the completed forms are attached in **Appendix C.**

Table 3: Internal Audit and Monitoring Activity Summary

DATE OF ACTIVITY	BRIEF SUMMARY OF ACTIVITY	CORRECTIVE ACTIONS COMPLETED
02.04.2020	SWMS Monitoring – Working Around Mobile Plant & Traffic Management - Access and traffic management satisfactory.	Nil
02.04.2020	Site Inspection – Whole Site - Building A: Spotters in place, dust suppression, traffic management controlling vehicles well, PPE being worn - Building B: Appropriate exclusion zones, signage and PPE in place for demolition works - Building C: Traffic control and exclusion zones in place	Nil
06.04.2020	SWMS Monitoring – Structural Demolition - Exclusion zones in place - Mobile Plant is registered - Spotters present at the entry to Demolition Zone - Dust suppression in place	Nil
07.04.2020	Site Inspection – Building C - Work Zone clean - Sediment control in place - Exclusion zones in place - Spotter present at Entry - Dust suppression in place - Subcontractor noted as working well	Nil
17.04.2020	Site Inspection – Building C & Church Street - Exclusion zones and signage in place - Church Street Work Zone & Footpath clean and tidy - Sediment control in place	Nil

	- Noted two excavators have been stood down for maintenance	
17.04.2020	Site Inspection – Whole of Site - Closeout of multiple issues identified. - Refer to Form 116899	- Exclusion Zones to be implemented to retaining wall (CLOSED) - Access Doors & Penetrations to be secured (CLOSED) - Mini-Excavator to be moved due to obstructing egress path (CLOSED) - Plant Service Records to be submitted (CLOSED) - Temporary lighting to be inspected (CLOSED)
20.04.2020	SWMS Monitoring – Crushing Demolition Material - Workers inducted - Mobile plant checked and inducted - Exclusion zone in place - Dust suppression in place - Area clean and tidy	Nil
22.04.2020	SWMS Monitoring – Traffic Management - Discussed SWMS with Traffic Controllers - Inspected traffic control signage - Inspected access gates and paths - Checked daily logs & checklists - Inspected work zone and footpaths	Nil
24.04.2020	Site Inspection – Building A - Reviewed environmental controls during earthworks - Dust suppression in place - Church St Work Zone and Footpaths clean - Spill kit located in the vicinity of the work area	Nil
28.04.2020	Vibration Monitoring – Western Area - RAPT Consulting conducted vibration monitoring in two locations on the Western area of site between 15th to 28th April. - The report is expected to be received on 30th April.	Nil at this time.

3.3.2 External Audits & Monitoring

There were no external audit or monitoring activities undertaken in April 2020.

3.4 Contract Programme Status

3.4.1 Construction Progress Update

Key Project Milestones Achieved:

- CC#1 Approved

Demolition:

- Administration Building – Demolition Complete
- Supreme Courts Building – Heavy Demolition to Structure Complete

Civil, Piling & Retention Works:

- Residential Building – Piling Platform Complete
- Education Building – Piling Platform to SW Corner Complete

3.4.2 Current Construction Activities

The following construction activities are currently underway on site and progressing well:

- Heritage Building – Soft Strip Demolition in progress (70% complete)
- Heritage Building – Demolition to Structure in progress (5% complete)
- Residential Building - Mine Subsidence / Grouting Works in progress (25% complete)

3.4.3 Upcoming Construction Activities (May 2020)

The following construction activities are what is programmed for May 2020:

- Heritage Building – Soft Strip Demolition & Removal of Materials
- Heritage Building – Demolition to Structure Including Temporary Propping
- Residential Building – Dudley Seam Mines Grouting
- Residential Building – Trim & Compact Piling Platform
- Residential Building – CFA Piling to Southern Wall
- Residential Building – CFA Foundation Piles
- Education Building – CFA Piling to SW Wall
- Education Building – FRP Concrete Capping Beam to SW Wall CFA Piles
- Education Building – Bench Down & Create Platform for Anchoring
- Education Building – Install Ground Anchors to SW Corner
- Hunter Water Main Upgrade Works on Church Street

3.4.4 Potential Issues

BUILT regularly reviews the construction programme to identify issues that have the potential to impact time, cost, and quality aspects of the project. The following issues have been flagged for attention:

a) Delayed ASP3 design and approval by AusGrid
b) Recent conditions imposed by SANSW regarding the Borehole Seam mine workings and structural adequacy of the Heritage Courthouse. The information requested has been provided, though acceptance is pending.
c) City of Newcastle approval process for Section 138 application for Public Domain Works
d) The extent of termite and water damage within the Heritage Courthouse
e) The extent of contaminated soil and remediation risk for Building C and external works
f) COVID-19 global pandemic potential risk to construction activities and procurement
g) Additional Archaeological investigations within areas yet to be excavated.
h) Risk of existing services within the Public Domain potentially affected by Section 138 Works.

3.4.5 Statused Contract Programme

The statused Contract Programme for April 2020 is attached in **Appendix D.**

3.4.6 Four Weekly Look Ahead

A Four Week Programme for May 2020 is attached in **Appendix E**. This programme shows works still underway and commencing prior to the end of May 2020.

3.5 Progress Photos

The following progress photos were taken on 29/04/2020.



Photo 01: Time-lapse photo of the site taken on 01/04/2020. Earthworks in progress.



Photo 02: Time-lapse photo of the site taken on 29/04/2020. Note Mines Grouting Plant & Equipment



Photo 03: Photo of the site looking South-West



Photo 04: Photo of the site looking South-East



Photo 05: View of Southern area of Building A Piling Ramp & Platform for South-West Retaining Wall



Photo 06: View of Northern area of Building A Piling Platform & Ramp



Photo 07: View from the top of the Piling Platform looking North-East. Note building connection demolished.



Photo 08: View from Building A looking East. Note exposed heritage façade.



Photo 09: View from Building A Access Gate looking South. Note Piling Platform & Ramp.



Photo 10: View from South-East corner of Building C looking North. Note drilling rigs for Mines Grouting works.



Photo 11: View from Building C looking south showing drilled bores and drill rig in the background.



Photo 12: View from Building C looking North showing heritage building adjacent and future Easement / Atrium.



Photo 13: Soft strip demolition within Heritage Building Basement Level.



Photo 14: Soft strip demolition within Heritage Building Basement Level.



Photo 15: Soft strip demolition within Heritage Building Basement Level.



Photo 16: Demolition of existing concrete floors in Heritage Building Basement Level.



Photo 17: Demolition of existing concrete floors in Heritage Building Basement Level.



Photo 18: Soft strip demolition in Heritage Building Level 2.



Photo 19: Soft strip demolition in Heritage Building Level 2. Note penetration discovered beneath the floor.



Photo 20: Soft strip demolition in Heritage Building Level 2. Note the room specific demolition scope of works on the wall.

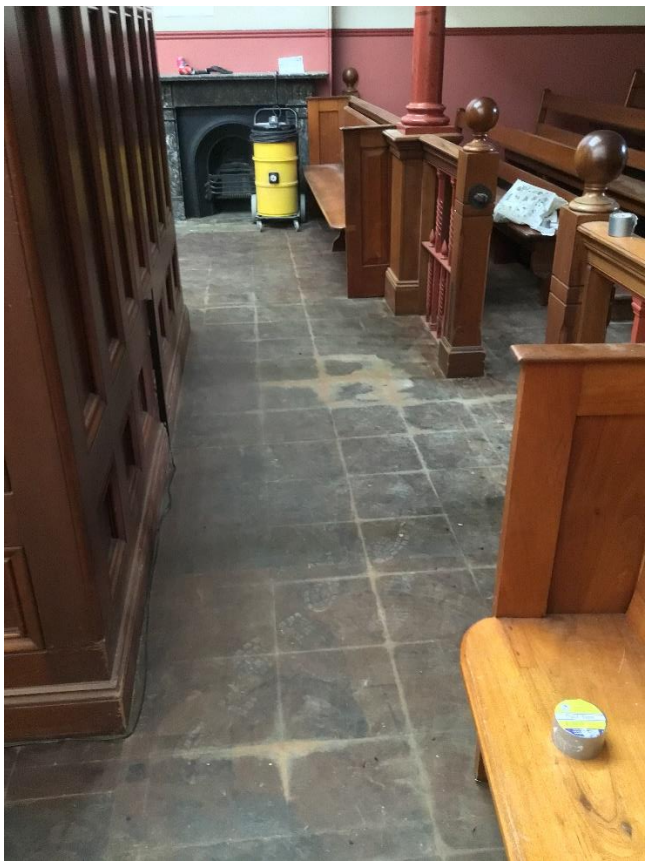


Photo 21: Floor linings removed in Main Courtroom of Heritage Building Level 2.



Photo 22: Floor linings removed in Main Courtroom of Heritage Building Level 2

3.6 Design Update

3.6.1 Architectural

- CC#2 Architectural drawings were submitted on 23/04/20 and have been updated to reflect the FER and other changes. Some minor amendments are required to be made and drawings re-issued.
- Updated Finishes, Fixtures and Fittings and Sanitary Fixtures Schedules for CC#2 were issued on 21/04/20 to include Green Star compliance requirements.

3.6.2 Structural & Civil

- Structural plans for the Education and Residential Buildings were submitted for CC#2 by Northrop on 17/04/20 and have been updated to include additional works to design for parameters set out by SANSW.
- Cardno is required to carry out peer review on Northrop structural drawings on completion of mine subsidence re-design.
- Structural drawings for the Heritage Building were submitted for CC#2 by Cardno on 09/04/20 to include additional works for mines subsidence.
- Cardno submitted civil and stormwater drawings for CC#2 on 28/04/20.
- Public domain works have been revised and the Section 138 application was submitted to the City of Newcastle on 17/03/20.

3.6.3 Hydraulic Services

- Hydraulic plans and specification for CC#2 were submitted on 17/04/20.
- Hydraulic plans are currently being updated for AFC, including minor amendments to roof drainage, and are to be re-issued.

3.6.4 Electrical Services

- Electrical plans and specification for CC#2 were submitted on 06/04/20.
- Electrical plans currently being updated for AFC submission to incorporate comments by Marline, dwp, and Built.
- ASP3 design for the Kiosk upgrade from 800amps to 1000amps has been submitted to Ausgrid for approval. Approval was expected in early March; however, no updates have been received at this time.
- External lighting design is still being developed with Erco to meet SSD Condition C4, comply with AS4282, and Green Star.

3.6.5 Mechanical Services

- Mechanical plans and specification for CC#2 were submitted on 05/04/20.
- Mechanical plans are currently being updated for AFC submission to incorporate comments by Marline, dwp, and Built.

3.6.6 Fire Services

- Fire services drawings to be updated for CC#2 to include revised fire hydrant locations in Heritage Building.

3.6.7 Fire Engineering

- Fire Engineering Report is to be updated to include:
  - Revised fire hydrant locations in the Heritage Building
  - Fire curtain to the Administration Office opening in the Atrium
  - Re-run smoke modelling to the Residential Building using updated drawings
  - Review of glazing to the Education Building

3.6.8 Green Star

- Final Green Star Energy Modelling and Section J reporting were received on 02/04/20 showing compliance with Section J and exceeding targeted points for Energy Modelling without solar. The decision on whether to include solar will be made once the outcome of the target points is confirmed.

- Potable Water Calculator was confirmed at targeting six (6) points. Dwp has updated the sanitary fixtures schedule to reflect the fittings listed in the calculator.

- All consultants have updated their designs to include Green Star requirements.

- Green Star documentation still to be submitted as follows:
  - Credit 7.2 - Built to submit
  - Credit 11.1 & 27 - Letter of confirmation from Electrical engineer that these requirements are met, if available lighting calculations, luminaire schedule & datasheets
  - Credit 17B and Innovation for Sustainable Transport – GBCA public transport calculator to be completed
  - Credit 19B.2 - Letter from the structural engineer with calculations confirming reduced mass of steel
  - Credit 19B.3 - Built to submit building re-use mark up
  - Credit 20.1 - Letter from the structural engineer with calculations confirming reduced mass of steel
  - Credit 26.1 - MUSIC modelling showing reduced peak stormwater discharge
  - Innovation Credit (Beauty) - Narrative to be prepared by Built.

- A statused copy of the Green Star Pathway design items is attached in **Appendix F**.

3.7 Authorities & Approvals

3.7.1 NSW Dept. Planning & Environment.

- A statused version of the SSD-9787 Conditions Matrix has been attached in **Appendix G for April 2020.**

3.7.2 City of Newcastle

- Section 138 application was submitted to the City of Newcastle on 17/03/20.
- The City of Newcastle acknowledged receipt of the application on 01/04/2020. No further updates have been received at this time.

3.7.3 Ausgrid

- Revised ASP3 design was submitted to Ausgrid and approval was expected in early March, however, there has been no update received at this time.

3.7.4 Jemena

- Jemena application was submitted on 24/03/20 and an offer for connection has been received.

3.7.5 Hunter Water

- Hunter Water to carry out camera survey on existing sewer in SE corner of the site and will revise Hunter Water SWIMS drawings.
- Metiri to update their drawings for this section following receipt of Hunter Water revised drawings.

3.7.6 NBN

- NBN application is approved and the agreement has been sent to Nihon University for their signature.

3.7.7 SANSW

- SANSW Conditions 4a, 4b, and 5 have been addressed through the updated structural design and design statements by Cardno and Northrop. These documents have submitted to SANSW for their approval.
- SANSW confirmed staged approval for Residential Building and Education Building.
- SANSW approved Built's request to complete the piled shoring wall to the SW corner of the site prior to commencing grouting works on the Education Building.

3.8 Outstanding RFIs

(Generated from Aconex)

RFI Register (28/04/2020)							
Mail No.	**Subject**	**Sent**	**From (Company)**	**To (Company)**	**Status**	**Comments / Actions**	**Discipline**
BUILT-RFI-000047	Submission of Quality Plans	06/02/2020	Built	Northrop Engineers Pty Ltd	Responded	**ACTION:** Northrop to re-submit QA Plan	Structural
BUILT-RFI-000074	Gas provision for fireplaces	26/02/2020	Built	Jun / dwp	Responded	Response received from McCallum - if the top of the chimney is sealed around the flue protruding through it, then is not deemed a chimney in AS. It's a brick duct. The flue cowl can be located immediately on the top of the chimney - no additional height is required **ACTION:** Built to have a specialist contractor review	Services
NE-RFI-000017	Draft Escape route signage	26/02/2020	Northrop	Built	Responded	**ACTION:** dwp believe the review has been undertaken. Response to be provided - Built followed up response on 20.04.20	Services
BUILT-RFI-000105	CC2- GREENSTAR CREDIT COMPLIANCE DOCUMENTATION REQUIRED	09/03/2020	Built	Northrop / McCallum	Responded	**ACTION:** Electrical to address credits 27 and 27.1	Services
dwp AU-RFI-000049	Re: Hydraulic Mark-ups for review and comment	10/03/2020	dwp	McCallum Plumbing	Responded	**ACTION:** McCallum to provide gutter profile depths and downpipe sizes to Northern roofs between Heritage and new buildings and drainage to lift and stair shaft lids. Sita will discuss with McCallum	Services
NE-RFI-000022	Shallow Footing Foundations	12/03/2020	Northrop	Built	Responded	**ACTION:** Northrop still assessing the options for shallow footings to the Northern side based on geotechnical information. Northrop considering widening the footings	Structural
dwp AU-RFI-000058	Re: RESIDENTIAL BUILDING_FRONT FACADE CONCRETE BLADE LEVELS 2 AND 3	19/03/2020	dwp	Built	Responded	Closed out. **ACTION:** dwp to confirm	Architectural / Structural
BUILT-RFI-000143	Detailed Site Investigation Report	24/03/2020	Built	GHD	Responded	GHD responded via Interim advice # 3. **ACTION:** Final report approved by GHD; RAP being reviewed. Report to be updated to include data missing from table groundwater table that has been	Civil

RFI Register (28/04/2020)							
Mail No.	**Subject**	**Sent**	**From (Company)**	**To (Company)**	**Status**	**Comments / Actions**	**Discipline**
						inserted on page 51 of the report is too large and has been cut off.	
BUILT-RFI-000144	New/Existing sewer connection	24/03/2020	Built	Marline / Northrop / dwp	Responded	**ACTION:** Metiri and Hunter Water have inspected the existing sewer line. It appears not to be as currently documented. Hunter Water will complete further tests to confirm the positioning of the existing sewer line. This will take approximately 2 weeks. Northrop drawings to be updated after Hunter Water advice if required	Structural
BUILT-RFI-000151	Fire drawings marked up with comments	24/03/2020	Built	Northrop	Responded	Following items still to be addressed - O&M Manuals Greenstar requirements - Reference FER dated 10/03/20	Services
dwp AU -RFI-000068	Re: Newcastle Courthouse | Sprinkler Omission - West Wing (including carpark)	25/03/2020	dwp	Design Confidence / Northrop	Responded	**ACTIONS:** Design Confidence to inspect prison style door to ensure they meet smoke proof construction requirements, DC are re-modelling Residential building with new drawings Built to organise a site inspection with Design Confidence complete a further review of documentation - areas of concern - review smoke proofing, fire separation in the heritage building	Architectural
dwp AU-RFI-000076	Newcastle Courthouse - RFI Civil and Hydraulics	27/03/2020	dwp	Cardno	Responded	**ACTION:** Cardno to update drawings	Civil
BUILT-RFI-000166	Marked up electrical drawings with comments	27/03/2020	Built	Northrop	Responded	**ACTION:** New drawings issued on 06/04/20 however still outstanding amendments- GPO's for hand dryers and other equipment missing, room names missing, notes need to be added about on-site coordination in Heritage building, incorrect layout for fire pump room	Services
BUILT-RFI-000170	Shoring Wall Design for Approval	28/03/2020	Built	Douglas / Northrop	Responded	**ACTION:** Meeting on-site to be held with Douglas Partners and Alorra to finalise design queries	Structural
dwp-au-RFI-000077	100% Design Development Mechanical Mark-up	1/04/2020	dwp	Northrop / Built	Responded	Revised drawings issued on 06/04/20. Most items have been picked up. **ACTION:** Dwp identified clashes over female toilets to Heritage Building and hallway. dwp/Northrop to resolve. Built to complete a final review.	Services

RFI Register (28/04/2020)							
Mail No.	**Subject**	**Sent**	**From (Company)**	**To (Company)**	**Status**	**Comments / Actions**	**Discipline**
dwp-au-RFI-000078	Newcastle Courthouse - CC Hydraulic and Sanitary Markup	1/04/2020	dwp	McCallum / Built	Responded	**ACTION:** Hydraulic plans updated - DP missing from the back of the atrium to residential building.	Services
DJH-RFI-000001	Re: Subcontractors Design for Foundation Piles	1/04/2020	D.J Hibbert	Built	Responded	**ACTION:** Piling subcontractor to design piles below pile pad for crane loads	Structural
dwp-au-RFI-000083	Re: Kitchen_Equipment Services Schedule for Approval	2/04/2020	Built	Built	Responded	Query regarding deletion of shelving and replace with bench is Closed Out. **ACTION:** Dwp to confirm	Services
BLT-RFI-000196	Carpark Stormwater Drainage	2/04/2020	Built	Cardno	Responded	**ACTION:** Cardno to carry out Hydraulics assessment on stormwater to confirm	Civil
BUILT-RFI-000205	GREENSTAR CREDITS 17B, 18B & Innovation Sustainable Transport	7/04/2020	Built	Woods & Grieve	Responded	**ACTION:** Built to respond to queries	Greenstar/ Architectural
BUILT-RFI-000207	Error with Electrical Specification File Upload	8/04/2020	Built	Northrop	Responded	**ACTION:** Northrop to upload again. File still corrupt	Services
DWP AU-RFI-000091	Revised Layouts for Kitchen	9/04/2020	dwp	Built	Responded	Closed out. **ACTION:** dwp to confirm	Architectural
dwp AU-RFI-000092	RFI Access Panels to Heritage building	14/04/2020	dwp	Built	Responded	**ACTION:** Northrop has provided marked up access panel locations for dwp to review	Architectural / Services
dwp AU-RFI-000093	GREENSTAR - Letter of Compliance Required for various Credits	14/04/2020	dwp	Built	Responded	Closed out. **ACTION:** dwp to confirm	Greenstar / Architectural
dwp AU-RFI-000094	Newcastle Courthouse - RFI Electrical lighting	14/04/2020	dwp	Northrop	Responded	Electrical drawings to be modified - light fittings to be documented in all toilet partitions **ACTION:** Northrop to amend lighting layout	Services
BUILT-RFI-000215	CC1 & CC2 - DOCUMENTATION REQUIRED FOR DIX GARDNER	15/04/2020	Built	Cardno / Northrop / dwp/ McCallum	Responded	**ACTION:** Updated plans required from Northrop (Electrical, Mechanical & Fire) Cardno updated civil drawings & certificate	Services / Civil
dwp AU-RFI-000096	Hangers to Side Terraces to Support Blockwork over	15/04/2020	dwp	Northrop	Outstanding	Hangers to terrace areas. **ACTION:** Northrop to document	Structural
BUILT-RFI-000217	GREEN STAR CREDITS 26.1 - 26.2 & INNOVATION - STORMWATER POLLUTION	15/04/2020	Built	Cardno	Responded	Refer Cardno-RRQFI-000010. **ACTION:** Cardno to carry out modelling for credit 26.1. 26.2 and Innovation points. All credits on original Marline pathway	Civil

RFI Register (28/04/2020)							
Mail No.	**Subject**	**Sent**	**From (Company)**	**To (Company)**	**Status**	**Comments / Actions**	**Discipline**
dwp AU-RFI-000099	EXISTING COURT HOUSE DOWN PIPE SURVEY RESULTS	15/04/2020	dwp	Built	Outstanding	**ACTION:** Additional surveys required of existing downpipes. Information to be included on hydraulic drawings	Services
dwp AU-RFI-000100	Cafeteria Lighting	17/04/2020	dwp	Northrop	Outstanding	Lighting to acoustic panelling ceiling in cafeteria and request for additional lighting to kitchen bulkhead **ACTION:** Northrop to provide comment	Services
BUILT-RFI-000222	CC2 Documentation	17/04/2020	Built	dwp	Responded	dwp have updated in the 23/04/20 issue. **ACTION:** Built to review	Architectural
dwp AU-RFI-000101	Classroom A/C units	17/04/2020	dwp	Northrop	Responded	Closed out. **ACTION:** dwp to confirm	Services
BUILT-RFI-000223	Hunter Water Main design	20/04/2020	Built	Metiri	Outstanding	Query regarding methodology **ACTION:** Metiri to respond	Services
BUILT-RFI-000226	Court House Building_High level window - Multipurpose Hall	20/04/2020	Built	dwp	Outstanding	The window shown on architectural drawings that has been previously infilled. **ACTION:** dwp to remove from drawings	Architectural
BUILT-RFI-000227	LANDSCAPE DRAWINGS - PLEASE UPLOAD AS INDIVIDUAL DRAWINGS	20/04/2020	Built	Moir	Outstanding	**ACTION:** Moir to upload drawings to Aconex	Architectural
Al Contr-RFI-000006	Retain Walls behind Courthouse and Resi Buildings	20/04/2020	Alorra	Built	Responded	**ACTION:** Built to provide additional borehole logs to contractors in this area on completion of mines grouting	Structural
dwp AU-RFI-000103	Newcastle Courthouse - Electrical Power Markup	21/04/2020	dwp	Northrop	Outstanding	**ACTION:** Northrop to update drawings	Services
dwp AU-RFI-000104	Kitchen Design and Specification	21/04/2020	dwp	Built	Responded	**ACTION:** Changes to kitchen design - Frost to amend drawings and issue	Services
BUILT-RFI-000228	Rainwater Tank Co-ordination with Siphonics	21/04/2020	Built	McCallum	Responded	Built requested confirmation of outlet sizes for the tank from Cardno **ACTION:** Cardno to provide information and document on drawings	Services/civil
BUILT-RFI-000229	Nihon University - Anchors and Shotcrete Meeting	21/04/2020	Built	Douglas Partners	Outstanding	**ACTION:** Douglas Partners to review anchor design	Structural
BUILT-RFI-000231	Green Star Approval - Credits 2.0, 2.1, 4.1, 11.1, 13.1, 19.B1, 22B, 24.0, 24.1, 24.2 & Innovation D Financial Transparency	21/04/2020	Built	Woods & Grieve	Responded	Additional information requested for Credit 2.0, 2.1 and 11.1 and 22B. Provided for 2.0, 2.1 & 22B. 11.1 to be resolved. **ACTION:**	Greenstar

RFI Register (28/04/2020)							
Mail No.	**Subject**	**Sent**	**From (Company)**	**To (Company)**	**Status**	**Comments / Actions**	**Discipline**
						Northrop to provide further supporting documentation to justify credit	
dwp AU-RFI-000106	Newcastle Courthouse | Sprinkler Omission - West Wing (including carpark)	21/04/2020	dwp	Design Confidence / Northrop	Outstanding	Proposed fire curtain to be approved by DC. Northrop to detail power provision. **ACTION:** DC to incorporate into updated FER	Architectural / Services
dwp AU-RFI-000107	Acoustic Louvres to Level 4 and Rooftop	21/04/2020	dwp	Northrop / Built	Responded	The acoustic consultant engaged for services only	Architectural / Services
BUILT-RFI-000233	Power Requirements_Teachers Room	22/04/2020	Built	dwp	Responded	**ACTION:** Floor boxes to be documented on electrical drawings.	Services
dwp AU-RFI-000108	Cafeteria Lighting	22/04/2020	dwp	Northrop	Responded	dwp have changed the lighting to the cafeteria **ACTION:** Northrop to comment 1) removed three lights to the cafeteria due to their proximity to the wall - Northrop to confirm lux levels not impacted 2) Request to change the lighting type in the front of house area to a downlight 3) introduced a light to the bulkhead above the bench space in the kitchen front of house - lighting type to be confirmed by dwp 4) located the LED strip light to the centre of the servery bulkhead, either side of the column 5) removed two lights (Type D) from the Residential Lounge area. Can you confirm enough lighting will be distributed to achieve lux levels after this change	Services
dwp AU-RFI-000110	Newcastle Courthouse - Electrical drawings Markup	22/04/2020	dwp	Northrop	Outstanding	dwp have completed the electrical review. **ACTION:** Northrop to provide comments and update drawings	Services
BUILT-RFI-000234	Early Works Plan	23/04/2020	dwp	Northrop/dwp	Responded	Setout/issues with early works plan (drg A020) shows the bored pile wall as returning on Grid YA2, structural foundation plan (drg S-A-01.01) shows the wall returning north of grid YA2. dwp preference would be to move the planter beds walls North to align with the step in the existing wall. Northrop advised shoring needs to be installed in a location that avoids the existing pile cap. We have shown the wall further to	Structural

RFI Register (28/04/2020)							
Mail No.	**Subject**	**Sent**	**From (Company)**	**To (Company)**	**Status**	**Comments / Actions**	**Discipline**
						the North for this reason.	
BUILT-RFI-000235	Updated Green star Matrix - Credit Innovation - Culture, Identity & Heritage	24/04/2020	Built	Woods & Grieve	Outstanding	**ACTION:** Woods & Grieve to provide comment	Greenstar
BUILT-RFI-000236	Fwd: Floor infill G.19 Gallery	24/04/2020	Built	Cardno	Outstanding	floor infill to where the wheelchair lift **ACTION:** Cardno to respond	Structural
dwp AU-RFI-000113	Review of structural drawings	24/04/2020	dwp	Northrop / McCallum	Outstanding	More coordination required - hanger/stub column details, hob heights/details, structural steel over operable doors in classrooms, structural steel details of the Level 3 gantry walkway (behind the screen), Vitracore framed element details at Level 4 falls in Level 4 terrace and roof slabs McCallum - Is a gutter/spoon drain required around the perimeter of the roof where the majority of floor wastes are positioned	Structural / Services
Moir LA-RRQFI-000002	Uploading documents	28/04/2020	Moir	Built	Outstanding	**ACTION:** Moir to upload landscape drawings	Landscape
dwp AU-RFI-000116	Landscape Design Statement for Construction Certificate	28/04/2020	dwp	Moir	Outstanding	**ACTION:** Moir to issue Design Statement	Landscape
dwp AU-RFI-000117	Updated Room Layout Sheets	28/04/2020	dwp	Built	Outstanding	Electrical has updated	Services
NE-RFI-000042	Re: Kitchen Design and Specification	28/04/2020	dwp	Built	Outstanding	Glasswasher, Item K20 - 230V or 400V, cool room: K01 power requirements	Services

3.10 Recycling Records

Built has engaged Central Waste Station to handle all the construction waste from demolition through to project completion. Central Waste has a resource recovery centre in Kurri Kurri where they sort, and recycle materials on-site, or send on to speciality recyclers, with a minimum amount of waste that is unable to be recycled then disposed of in licenced landfill sites. Central Waste Station is targeting a 90% materials recovery rate of all waste collected.

Each month, Central Waste will issue Resource Recovery Reports to Built specifically for this project which will be included in the monthly PCG Report (**attached in Appendix H**)

For the month of April 2020, the Total Waste Recovery Percentage was **91.20%**

4. Appendices

Appendix A – HSE Incident Monthly Register

Appendix B – Community Liaison Register

Appendix C – Internal Audit Records

Appendix D – Statused Contract Programme

Appendix E – Four Week Programme

Appendix F – Green Star Pathway Status

Appendix G - Statused SSD-9787 Conditions Matrix

Appendix H – April 2020 Waste Recovery Reports

Appendix A – HSE Incident Monthly Register

Monthly HSE Incident Register

Built.

Project: Nihon University

Apr-20

Month	Labour Hours	First Aid Incident	Medical Treatment Incident	Lost Time Incident	Near Miss Incident	Notifiable Dangerous Incident	Environmental Incident *Includes complaints
Jan-20	2180	0	0	0	0	0	0
Feb-20	6500	0	0	0	1	0	1*
Mar-20	5930	0	1	0	0	0	3*
Apr-20	5070	0	0	0	0	0	7*
TOTALS:	**19680**	**0**	**1**	**0**	**1**	**0**	**11**

Appendix B – Community Liaison Register

Community Liaison Register

Built.

Project: Nihon University

Complaints Register

Last Updated: 21/04/20

REF ID	DATE / TIME RECEIVED	RECEIVED FROM	DESCRIPTION	DATE / TIME RESPONDED	RESPONSE BY	DESCRIPTION	CLOSED (Y / N)
2001-CC001	21/01/2020 1:20pm	Tanya Way (JFH Employee)	Concerned about removal of trees at Southern Boundary & wildlife. Works at James Fletcher Hospital.	22/01/2020 9:00am	BM	Phoned Tanya to disuss her concerns and assure precautions were taken and removal is in accordance with SSD-9787. Followed up with email containing project information and NSW Planning Portal	Y
2002-CC002	27/02/2020 4:20pm	Tony Lawler (Resident)	Notified Built via email of cracks appearing within his property at 30 Church Street that were previously not noted. Believes demolition works occurring the past couple of days and vibration are the cause.	27/02/2020 5:06pm	BM	Phoned Tony to further discuss the issue raised. An inspection of the property has been arranged for 3:00pm 28/02/2020 with Tony, Built Project Manager and Structural Engineer who completed initial Pre-Construction Dilapidation Report. Follow up email sent to Tony at 5:26pm confirming details of phone complaint and inspection. Inspection Report submitted to Tony on 02/03/20 showing cracks identified and not worsened. Vibration monitor results received on 03/03/20 show compliance with structural levels.	Y
2003-CC003	9/03/2020 1:50pm	Jennifer Leslie (Resident)	Noise complaint received via phone call to Construction Manager Rob McLaughlin regarding noise prior to approved construction hours.	09/03/2020 1:58pm	BM	Built contacted Jennifer on her mobile number to discuss the issue. Jennifer stated that there was noisy vehicles and concerns of "loading of bricks and things in the morning" approximately between 4:30am to 6:30am. Upon review of CCTV footage, a large skip bin garbage truck and other heavy vehicle was seen on Bolton Street between 5-6:00am and not related to the Nihon Project. Built also spoke with Jennifer's neighbour Mark Hill, who confirmed the workers were related to a project on Bolton Street as he had confronted them that morning.	Y
2003-CC004	10/03/2020 4:06pm	Tony Lawler (Resident)	Tony lodged an additional complaint via email related to demolition works causing existing cracks to "enlarge" within his residence.	10/03/2020 4:23pm	BM	Built responded via email advising that vibration monitoring to date has shown compliant levels. It was requested that Tony submits photos of enlarged cracks for review by Structural Engineer prior to another inspection as it was found that all cracks were existing after his initial complaint. Built conducted 7 days of monitoring at Tony's residence between 13/03/2020 & 20/03/2020. Built issued Vibration Monitoring Report to Tony on 26/03/2020 showing that vibration results were well under the limits for both structural damage and human comfort.	Y

2003-CC005	19/03/2020 4:05pm	James Fletcher Hospital (JFH)	Architect/Superintedent notified Built of noise complaint lodged directly to DPIE regarding demolition works.	19/03/2020 4:40pm	BM	Built contacted JFH main contact, Nicole Halpin (Corporate Services Manager - Hunter New England Health) to discuss the complaint. Nicole advised that she was unaware of the issue and had received no internal complaints. Built conducted immediate spot check of demolition noise which showed works were within permissable noise limits. Built engaged acoustic consultant to conduct internal noise monitoring within JFH on 20/03/2020. Results came back compliant with construction noise limits & report was submitted to JFH for their records on 25/03/2020.	Y
2004-CC006	01/04/2020 12:59pm	Jane Bellemore & Cynthia Grahame (Resident)	Lodged complaint by email to Nihon community liaison address regarding vibration causing discomfort	02/04/2020 2:11pm	BM	Response email sent noting concerns and advising of Built monitoring activities to maintain compliance with vibration criteria and minimise disruptions. Advised the resident to contact if there are any further concerns or structural changes noted.	Y
2004-CC007	03/04/2020 9:24am	Jane Bellemore & Cynthia Grahame (Resident)	Lodged complaint by email to Nihon community liaison address regarding workers being spotted onsite without Hard Hats and not maintaining social distancing.	03/04/2020 10:22am	BM	Response email sent advising that Built takes HSE and social distancing measures seriously and that this concern has been immediately addressed with workers onsite. It must be noted that the workers were completing a pre-start talk and were outdoors in open space.	Y
2004-CC008	03/04/2020 1:16pm	Jane Bellemore & Cynthia Grahame (Resident)	Lodged complaint in relation to 2004-CN009 Extended Working Hours advising of the Environmental Planning and Assessment (COVID-19 Development – Construction Work Days) Order 2020 being implemented onsite.	06/04/2020 3:05pm	BM	Response sent by email noting concerns and frustration. Also advised that Built is continuing to follow Government advice in response to COVID-19, will continue to monitor the situation and implement required measures. - Refer also to Community Notice (2004-CN010) sent on 06/04/2020	Y
2004-CC009	03/04/2020 3:15pm	Keran Davis (Resident)	Lodged complaint in relation to 2004-CN009 Extended Working Hours advising of the Environmental Planning and Assessment (COVID-19 Development – Construction Work Days) Order 2020 being implemented onsite.	6/04/2020	BM	Refer to Community Notice (2004-CN010) sent on 06/04/2020.	Y
2004-CC010	03/04/2020 9:13pm	Catherine Turner (Resident)	Lodged complaint in relation to 2004-CN009 Extended Working Hours advising of the Environmental Planning and Assessment (COVID-19 Development – Construction Work Days) Order 2020 being implemented onsite.	6/04/2020	BM	Refer to Community Notice (2004-CN010) sent on 06/04/2020.	Y

2004-CC011	6/04/2020 10:04am	Jane Bellemore & Cynthia Grahame (Resident)	Lodged complaint in relation to alleged cracking of their property caused by groundworks onsite.	06/04/2020 12:20pm	BM	Built arranged for an inspection of the property to assess claim against conditions noted within Pre-Construction Dilapidation Report. Inspection completed by Structural Engineer on 08/04/2020 Inspection Report issued to the Resident on 09/04/2020 advising that in the Engineer's opinion, the cracks identified by the Resident were noted within the Pre-Construction Dilapidation Report and had not worsened. Resident disputed the findings of one of the identified cracks. Built responded that vibration monitoring of an adjacent property during the same period had demonstrated compliance with vibration criteria and that any disputes will be addressed after the completion and findings of the Final Dilapidation Reports required under the Development Consent Conditions. No further response received.	Y
2004-CC012	06/04/2020 1:40pm	Keran Davis (Resident)	Lodged complaint by email regarding extended working hours, social distancing, and a traffic management issue on 04/04/2020 (Saturday).	06/04/2020 4:13pm	BM	Referred the Resident to Community Notice (2004-CN010) for response to concerns regarding social distancing. Advised that the traffic management issue had been issued to the Site Team and Subcontractors for urgent action. Also requested that for any future issues, the Resident should contact Built PM or SM immediately to ensure matters are actioned quickly. Email received from City of Newcastle Councillor thanking Built for responding to the concerns of residents.	Y
2004-CC013	8/04/2020 9:48am	Michael Weightman (Employee - Newcastle Chambers)	Lodged complaint by email regarding noise caused by grinding activities onsite.	08/04/2020 11:58am	BM	Response stated Built's intention to minimise noise and conduct ongoing monitoring during construction, however, elimination of noise is not possible. Advised that structural demolition is nearing completion on the portion of site near his office. Note: Works were a short term activity located behind 2.4m plywood hoarding. No further response received	Y

Community Liaison Register

Built.

Project: Nihon University

Notices Register

Last Updated: 28/04/20

REF ID	DATE ISSUED	ISSUED TO	ISSUED BY	METHOD	DESCRIPTION	RESPONSES RECEIVED / DETAILS	CLOSED (Y / N)
1911-CN001	5/11/2019	ALL	SV	LETTER	Dilapidation Report request to nearby stakeholders - residents, businesses, etc.	Responses received from majority of stakeholders. Dilap reports completed by Engineer and submitted.	Y
1912-CN002	13/12/2019	James Fletcher Hospital	SV	MEETING	Consultation meeting with Hunter New England Health Management to discuss upcoming commencement of works, general scope, temporary fencing, boundary, etc.	Response received post-meeting that HNE Health would like the opportunity for NSW Dept. Public Works to review the works.	Y
1912-CN003	19/12/2019	ALL	BM	LETTER	Notice of commencement of works	NIL	Y
2001-CN004	21/01/2020	ALL	BM	EMAIL / LETTER	Notice of commencement of Asbestos removal	NIL	Y
2002-CN005	4/02/2020	Newcastle Police Station	BM / LA	MEETING	Meeting with Sgt Darren Holmes (Station Manager) to discuss shared lighting circuit requiring disconnection, noise mitigation & upcoming Work Zone Installation.	2002-CQ001	Y
2002-CN006	5/02/2020	NGS	BM	MEETING	Consultation meeting with Newcastle Grammar School Deputy Head of School & Director of Operations to discuss potential impacts and concerns regarding relocation of pedestrian crossing and proposed construction zone along Church Street site frontage.	Initial response was positive due to concerns around student & staff safety traversing past live site. Built issued additional information for review and suggested additional meeting if required.	Y
2002-CN007	19/02/2020	Newcastle Police Station	BM	LETTER	Formal notice of work zone installation	NPS raised concerns on lack of solution for parking of Correctional Services vehicles. Requested Built facilitate talks with CoN. Built facilitated discussions with CoN on 20/02/2020 & long term solution was agreed.	Y
2002-CN008	20/02/2020	ALL	BM	EMAIL & LETTER	Construction progress update including completion of Stage 1 asbestos removal, commencement of structural demolition, installation of work zone & pedestrian crossing	Response from Newcastle Grammar School thanking Built for notification and advised they will communicate the information to their parent body.	Y
2003-CN009	2/03/2020	HNE	BM/OR	MEETING	Meeting arranged with HNE & NSW Public Works representatives to discuss heritage wall retention works and other construction activities potentially affecting HNE James Fletcher Hospital	HNE Engineer Jason Thomas was the only attendee. Discussed all works and items. Built issued meeting minutes & retention design to HNE on 04/03/2020 for review and comment Deadline for HNE response is 27/03/2020. Response received from HNE on 27/03/2020 with no objections.	Y
2004-CN009	3/04/2020	ALL	BM	EMAIL / LETTER	Extended Construction Hours: Notice issued to all surrounding residents, businesses, and organisations advising of the introduction of the Environmental Planning and Assessment (COVID-19 Development - Construction Working Days) Order 2020. The notice advised that Built intended to enact this Order at Nihon University until further advice/notice received from the NSW Dept. Planning, Industry and Environment	Community complaints received from Residents on Church Street. These are referenced below. 2004-CC007 2004-CC008 2004-CC009 2004-CC010 2004-CC012 In response to the community concerns, Built issued additional Community Notice (2004-CN010).	Y

2004-CN010	6/04/2020	ALL	BM	EMAIL / LETTER	Community Response to Extended Construction Hours: Notice issued to surrounding residents, businesses, and organisations advising that in response to community responses received related to 2004-CN009, Built will be extending working hours on Saturday's only in the short term and that any changes will be communicated in advance.	Additional responses were received, however, all were still in relation to extended working hours. Built has continued to implement the revised extended working hours on Saturday's and COVID-19 prevention measures onsite in accordance with Government advice.	Y
2004-CN011	22/04/2020	ALL	BM	EMAIL / LETTER	Construction Progress Update 02: - Noted establishment of Church Street Hoarding. - Advised of structural demolition progress - Advised of commencing piling / retention works in SW corner of the site on 27/04/2020. - Advised of piling method (CFA) to minimise noise and vibration. - Advised of planned Water Main Upgrade works commencing in late May 2020.	NIL	Y

Community Liaison Register

Built.

Project: Nihon University	Queries Register	Last Updated: 21/04/20

REF ID	DATE / TIME RECEIVED	RECEIVED FROM	DESCRIPTION	DATE / TIME RESPONDED	RESPONSE BY	DESCRIPTION	CLOSED (Y / N)
2002-CQ001	4/02/2020	Newcastle Police Station	Request for sound baffling installed to L1, 2, 3 Balcony Windows due to meeting held on 03/02/2020	4/02/2020	BM	Confimed that BUILT can organise an inspection by Acoustic Consultant and provide an appropriate solution. Acoustic solution provided by Consultant is to install acoustic door seals.	Y
2002-CQ002	19/02/2020	Newcastle Police Station	Request for Built to facilitate talks with City of Newcastle regarding long term solution for Correctional Services vehicle parking	19/02/2020	BM	Built has scheduled onsite meeting with Newcastle Police Station & City of Newcastle for 20/02/2020 to discuss solutions. City of Newcastle agreed to provide permanent parking on Watt Street for required vehicles.	Y
2003-CQ003	03/03/2020 1:04pm	Andrew Russell	Email received from Andrew Russell. Spoke with Built Foreman onsite regarding blanked out pedestrian crossing and concerns around pedestrian safety due to lack of signage & physical barriers warning common users that the crossing is no longer in place. Forwarded email sent to City of Newcastle expressing same concerns plus stating that Built had traffic control personnel onsite directing pedestrians which was good to see. Advised Council that additional signage should be implemented	04/03/2020 10:35am	BM	Response email sent acknowledging concerns and advising that Built is working with Council to ensure signage is installed ASAP. City of Newcastle responded on 09/03/20 with additional requirements originally not requested during consultation. All actions closed out.	Y
2003-CQ004	26/03/2020	Jack Strachan 5:19pm	Email sent to Structural Engineer responsible for completing Pre-Construction Dilapidation Report on the property requesting that vibration causing activities be noted for Post-Construction Dilapidation Inspection.	27/03/2020	BM	Noted by Built & Engineer. No further correspondence received.	Y
2004-CQ005	01/04/2020 12:21pm	John Pasterfield	Email sent to Nihon community liaison address advising of vibration felt within their residence caused by a loaded vehicle entering site	02/04/2020 2:06pm	BM	Response email sent noting concerns and advising of Built monitoring activities to maintain compliance and minimise disruptions. Advised the resident to contact if there are any further concerns or structural changes noted. No further response received.	Y
2004-CQ006	01/04/2020 12:47pm	Keran Davis	Email sent to Nihon community liaison address advising that vibrations were felt at various times throughout the day.	02/04/2020 2:08pm	BM	Response email sent noting concerns and advising of Built monitoring activities to maintain compliance and minimise disruptions. Advised the resident to contact if there are any further concerns or structural changes noted. No further response received.	Y

Appendix C – Internal Audit Records

Monitoring

Details

Form id	114377
Created at	02/04/2020
Completed at	02/04/2020
Status	Complete
Respondent	Leif Aleksic
Division	NSW
Business unit	NSW Fitout
Department	
Project	Nihon University Newcastle Campus
Subcontractor	DRUMDERG PTY LTD
Monitoring Activity	SWMS Monitoring
Outline of activity being monitored	Loading in material
Documents referenced during monitoring *This could include; SWMS, Permit, Traffic Management Plans, Methodology documents, Engineering advice, SOP/JSA. Where possible provide the exact name and version number of the document.*	SWMS for working around plant. Traffic management
Summary of monitoring *Provide an outline of any positive observations or conversations, work practices being performed well, compliance with the documents reference or a brief outline.*	Ramp access for bring in the material is well set up Traffic management is in good contact with drivers
Was work required to be stopped?	No

High Potential Hazard Reporting

High Potential ***Select from the drop down list those which apply. Use the Add button to add one line per issue***	**Trade/process** ***State the trade who has been identified as being responsible for the hazard. If unknown please state 'Unknown'***	**Comments** ***Describe the situation that is classified as High Potential***
Excavation	Demolition	Removal of the tunnel and back filling.

Built staff in attendance

Include the person who is logged in to the software in this section as well as the other attendees

Attendee name
Leif Aleksic

Monitoring

Others in attendance

This could include workers involved in the activity, the subcontractor supervisor or others

Subcontractor name	Persons name

Monitoring

Additional

Photos



Attachments

Monitoring

- *No file attachments*

Actions Summary

ID	Due date	Date closed	Action description	Status	Last Comment

Actions

Site Inspection

Details

Form id	114378
Created at	02/04/2020
Completed at	02/04/2020
Status	Complete
Respondent	Michael Louis
Division	NSW
Business unit	NSW Construction
Department	
Project	Nihon University Newcastle Campus
Subcontractor	DRUMDERG PTY LTD
Type of Site Inspection	Supervisor Inspection

Built Attendance

Include the person who is logged in as well.

Name
Michael Louis
Leif Aleksic

Others in attendance

Subcontractor Name	Persons Name

Areas or Locations Inspected

Identify the area/s reviewed during the inspection. The may include; whole of project, certain levels or certain locations.

Building A civil works
Building C demo works
Building B soft strip

Summary of inspection

This may include; common checks, activities or items reviewed, good practices observed or general commentary of the inspection. Note; all actions need to be registered in the "Actions" area at the bottom of this page.

Spotters in place for building A civil works, dust suppression in place, trucks entering site under traffic control, site mandatory PPE worn.

Building C demo works spotter in place, losing out done under traffic control, exclusion zones in place

Building B soft strip, PPE worn inclusive of masks, signage on doors and doors shut in work area.

High Potential Hazard Reporting

High Potential Classification *Select from the drop down list those which apply. Use the Add button to add one line per issue*	Trade/Process *State the trade who has been identified as being responsible for the hazard. If unknown please state 'Unknown'*	Comments *Describe the situation that is classified as High Potential*

Site Inspection

Additional

Photos



Site Inspection



Site Inspection



Site Inspection



Site Inspection



Attachments

- *No file attachments*

Actions Summary

ID	Due date	Date closed	Action description	Status	Last Comment

Actions

Monitoring

Details

Form id	115108
Created at	06/04/2020
Completed at	06/04/2020
Status	Complete
Respondent	Benjamin Bates
Division	NSW
Business unit	NSW Construction
Department	
Project	Nihon University Newcastle Campus
Subcontractor	DRUMDERG PTY LTD
Monitoring Activity	SWMS Monitoring
Outline of activity being monitored	Structural demo building C
Documents referenced during monitoring *This could include; SWMS, Permit, Traffic Management Plans, Methodology documents, Engineering advice, SOP/JSA. Where possible provide the exact name and version number of the document.*	See attached
Summary of monitoring *Provide an outline of any positive observations or conversations, work practices being performed well, compliance with the documents reference or a brief outline.*	Checked exclusion zone signage fencing -all in place Mobile plant registration on all plant in date Spotter inside gate a entry to demo zone Dust suppression in place
Was work required to be stopped?	No

High Potential Hazard Reporting

High Potential ***Select from the drop down list those which apply. Use the Add button to add one line per issue***	**Trade/process** ***State the trade who has been identified as being responsible for the hazard. If unknown please state 'Unknown'***	**Comments** ***Describe the situation that is classified as High Potential***

Built staff in attendance

Include the person who is logged in to the software in this section as well as the other attendees

Attendee name
Benjamin Bates
Michael Louis

Others in attendance

This could include workers involved in the activity, the subcontractor supervisor or others

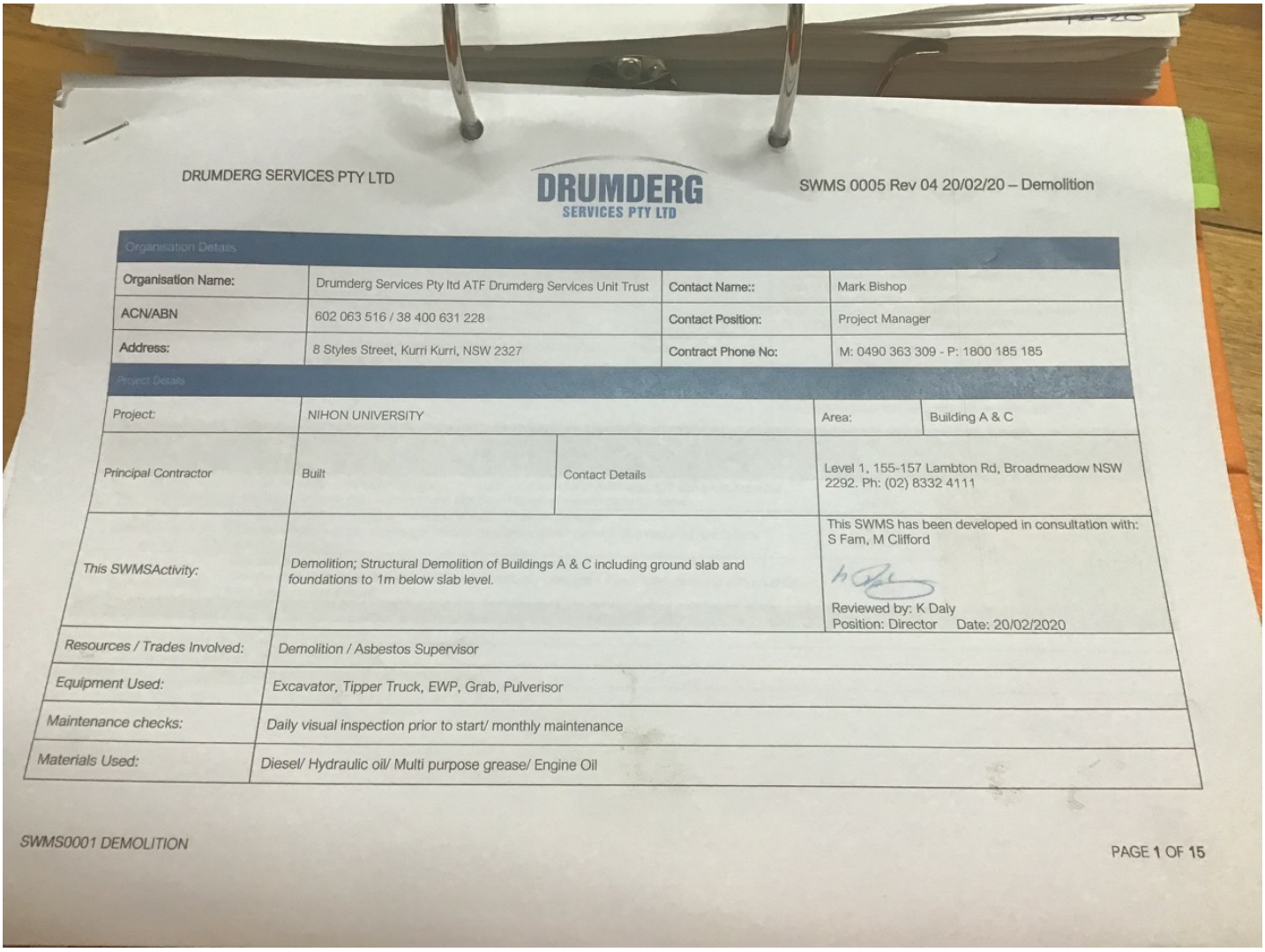
Subcontractor name	**Persons name**

Monitoring

Monitoring

Additional

Photos



DRUMDERG SERVICES PTY LTD

DRUMDERG SERVICES PTY LTD

SWMS 0005 Rev 04 20/02/20 – Demolition

Organisation Details			
Organisation Name:	Drumderg Services Pty ltd ATF Drumderg Services Unit Trust	**Contact Name::**	Mark Bishop
ACN/ABN	602 063 516 / 38 400 631 228	**Contact Position:**	Project Manager
Address:	8 Styles Street, Kurri Kurri, NSW 2327	**Contract Phone No:**	M: 0490 363 309 - P: 1800 185 185

Project Details				
Project:	NIHON UNIVERSITY		Area:	Building A & C
Principal Contractor	Built	Contact Details	Level 1, 155-157 Lambton Rd, Broadmeadow NSW 2292. Ph: (02) 8332 4111	
This SWMSActivity:	*Demolition; Structural Demolition of Buildings A & C including ground slab and foundations to 1m below slab level.*		This SWMS has been developed in consultation with: S Fam, M Clifford Reviewed by: K Daly Position: Director Date: 20/02/2020	
Resources / Trades Involved:	*Demolition / Asbestos Supervisor*			
Equipment Used:	*Excavator, Tipper Truck, EWP, Grab, Pulverisor*			
Maintenance checks:	*Daily visual inspection prior to start/ monthly maintenance*			
Materials Used:	*Diesel/ Hydraulic oil/ Multi purpose grease/ Engine Oil*			

SWMS0001 DEMOLITION

PAGE 1 OF 15

Monitoring


DANGER
DEMOLITION WORK IN PROGRESS
DRUMDERG
DANGER
DEMOLITION WORK IN PROGRESS
DRUMDERG

Monitoring



Monitoring



Attachments

- *No file attachments*

Actions Summary

ID	Due date	Date closed	Action description	Status	Last Comment

Actions

Site Inspection

Details

Form id	115245
Created at	07/04/2020
Completed at	07/04/2020
Status	Complete
Respondent	Benjamin Bates
Division	NSW
Business unit	NSW Construction
Department	Will not be required.
Project	Nihon University Newcastle Campus
Subcontractor	DRUMDERG PTY LTD
Type of Site Inspection	Supervisor Inspection

Built Attendance

Include the person who is logged in as well.

Name
Benjamin Bates
Liam Tamsett

Others in attendance

Subcontractor Name	Persons Name

Areas or Locations Inspected

Identify the area/s reviewed during the inspection. The may include; whole of project, certain levels or certain locations.

Building C and entry road sediment control

Summary of inspection

This may include; common checks, activities or items reviewed, good practices observed or general commentary of the inspection. Note; all actions need to be registered in the "Actions" area at the bottom of this page.

Street frontage clean and sediment control in good condition- bins changed over at time of inspection

Building C exclusion zones in place

Spotter at entry in place

Dust suppression in place

Drumderg working well.

High Potential Hazard Reporting

High Potential Classification *Select from the drop down list those which apply. Use the Add button to add one line per issue*	Trade/Process *State the trade who has been identified as being responsible for the hazard. If unknown please state 'Unknown'*	Comments *Describe the situation that is classified as High Potential*

Site Inspection

Additional

Photos

Attachments

- *No file attachments*

Actions Summary

ID	Due date	Date closed	Action description	Status	Last Comment

Actions

Site Inspection

Details

Form id	116872
Created at	17/04/2020
Completed at	17/04/2020
Status	Complete
Respondent	Benjamin Bates
Division	NSW
Business unit	NSW Construction
Department	Will not be required.
Project	Nihon University Newcastle Campus
Subcontractor	DRUMDERG PTY LTD
Type of Site Inspection	Supervisor Inspection

Built Attendance

Include the person who is logged in as well.

Name
Benjamin Bates

Others in attendance

Subcontractor Name	Persons Name

Areas or Locations Inspected

Identify the area/s reviewed during the inspection. The may include; whole of project, certain levels or certain locations.

Building C site area
Site entry and street frontage

Summary of inspection

This may include; common checks, activities or items reviewed, good practices observed or general commentary of the inspection. Note; all actions need to be registered in the "Actions" area at the bottom of this page.

Checked all exclusion zone signage to all faces-All in place
Street frontage sediment control clean and tidy as well as whole site entry/footpath
20t and 35t machines stood down for maintenance taking place to them.Drumderg advised machines can’t be used until mechanical sign of is received by built

High Potential Hazard Reporting

High Potential Classification ***Select from the drop down list those which apply. Use the Add button to add one line per issue***	**Trade/Process** ***State the trade who has been identified as being responsible for the hazard. If unknown please state 'Unknown'***	**Comments** ***Describe the situation that is classified as High Potential***

Site Inspection

Additional

Photos

Site Inspection



Site Inspection



Site Inspection



Attachments

- *No file attachments*

Actions Summary

Site Inspection

ID	Due date	Date closed	Action description	Status	Last Comment

Actions

Site Inspection

Details

Form id	116899
Created at	17/04/2020
Completed at	17/04/2020
Status	Complete
Respondent	Benjamin Moss
Division	NSW
Business unit	NSW Fitout
Department	
Project	Nihon University Newcastle Campus
Subcontractor	
Type of Site Inspection	Supervisor Inspection

Built Attendance

Include the person who is logged in as well.

Name
Benjamin Moss

Others in attendance

Subcontractor Name	Persons Name

Areas or Locations Inspected *Identify the area/s reviewed during the inspection. The may include; whole of project, certain levels or certain locations.*	Whole of project
Summary of inspection *This may include; common checks, activities or items reviewed, good practices observed or general commentary of the inspection. Note; all actions need to be registered in the "Actions" area at the bottom of this page.*	Inspection of actions and areas/hazards across site raised by CFMEU - Tunnel excavation in Building A barricaded - Plant faults being rectified onsite by plant mechanics - Fall from heights zones in Building C to be fenced and signage applied showing exclusion zone - Exclusion zones around plant now in place - Evac Plans in Building B Basement installed - Exit signs bldg b installed - Access door in Bldg B basement to Bldg C to be closed and secured to prevent unauthorised access - Temp lighting in Bldg B basement actioned to Electrician for inspection & rectification as required - ACM removal in progress in accordance with statutory requirements. PPE, signage, and exclusion zones in place. - Access to the scaffold in Bldg B has been denied pending assessment by Rescue Consultant - Mini-excavator parked at top of stair landing at Northern (Church Street) exit from Bldg B Basement to be moved for better access path
High Potential Hazard Reporting	

Site Inspection

High Potential Classification ***Select from the drop down list those which apply. Use the Add button to add one line per issue***	**Trade/Process** ***State the trade who has been identified as being responsible for the hazard. If unknown please state 'Unknown'***	**Comments** ***Describe the situation that is classified as High Potential***
Struck by Mobile Plant	Demolition & Drilling	Multiple excavation plant and drill rigs onsite
Excavation	Demolition	Excavation of existing tunnel present in Bldg A
Fall > 2m	Demolition	Demolition of Bldg C - areas now present where fall from height risk is high potential if accessed by personnel
Contamination	Demolition	ACM removal in Building C
Miscellaneous	Built	Unauthorised access to Building B - Basement Areas

Site Inspection

Additional

Photos



Site Inspection



Site Inspection



Site Inspection



Site Inspection



Site Inspection



Site Inspection



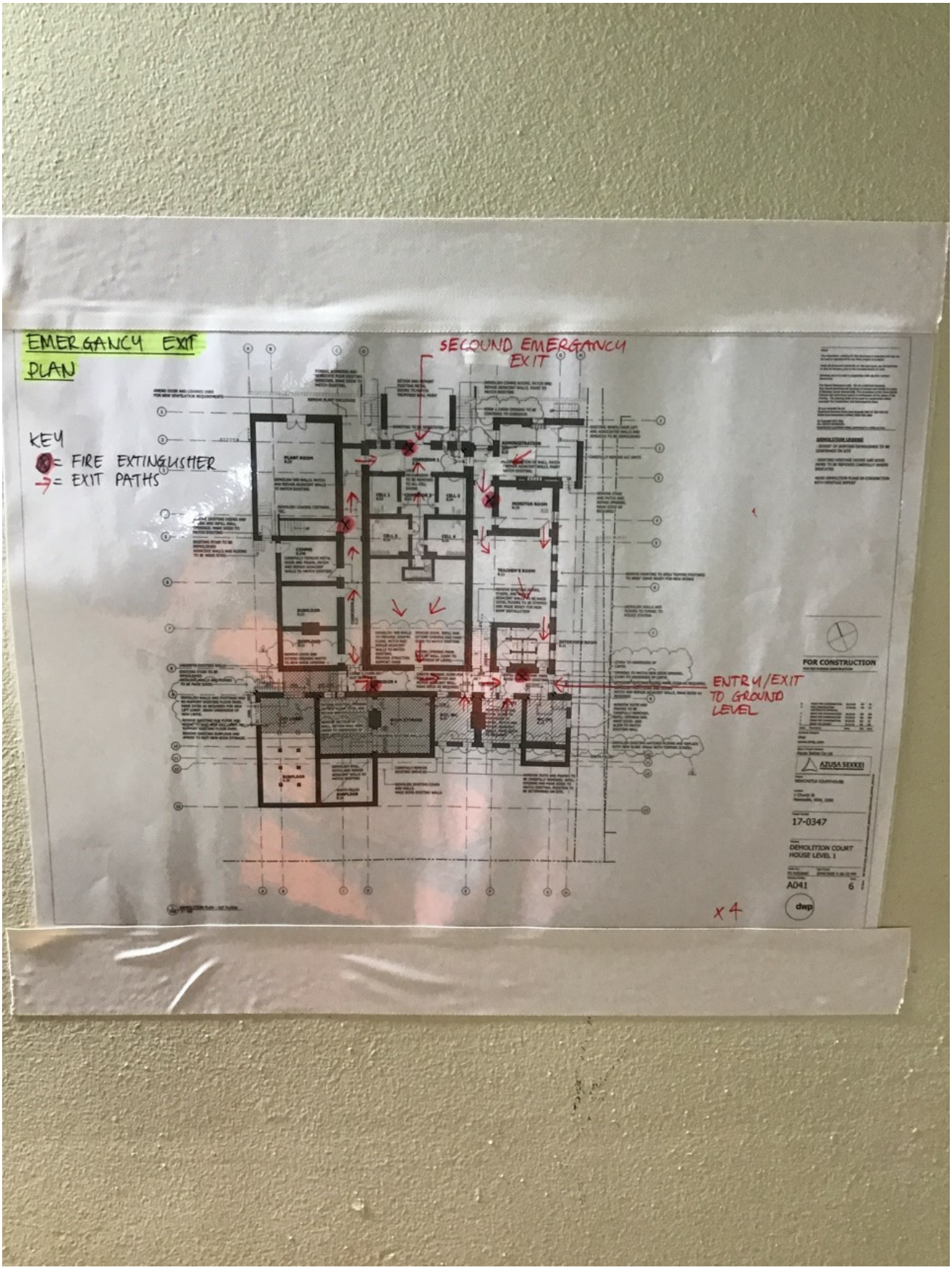
Site Inspection



Site Inspection



Site Inspection



Site Inspection



Site Inspection



Attachments

- *No file attachments*

Actions Summary

Site Inspection

ID	Due date	Date closed	Action description	Status	Last Comment
32260	20/04/2020	20/04/2020	Exclusion Zones and Signage to be implemented to retaining wall & existing stairs to prevent access.	Closed	Stairs have now seen demolished. So no close out photo added for that action
32261	20/04/2020	20/04/2020	Ensure all Access Doors & Penetrations are secured in Building B Basement to prevent unauthorised access.	Closed	
32262	20/04/2020	19/04/2020	Remove mini-excavator from stair landing out front of Heritage Courthouse	Closed	
32263	21/04/2020	17/04/2020	Submit all Plant Service records to Built after mechanic inspection/repairs.	Closed	
32264	21/04/2020	20/04/2020	Temporary Lighting & Cabling in Building B Basement to be inspected and rectified (if required) by SKE. SKE to provide test records of Lux Levels & evidence of compliance with Australian Standards and SafeWork NSW requirements for temporary electrical works.	Closed	

Site Inspection

Actions

ID: 32260 **Due date:** 2020-04-20 **Status:** Closed

Actionee: Benjamin Bates **Date closed:** 2020-04-20

Action description: Exclusion Zones and Signage to be implemented to retaining wall & existing stairs to prevent access.



Attachments

- *No file attachments*

ID: 32261 **Due date:** 2020-04-20 **Status:** Closed

Actionee: Liam Tamsett **Date closed:** 2020-04-20

Action description: Ensure all Access Doors & Penetrations are secured in Building B Basement to prevent unauthorised access.

Attachments

- *No file attachments*

ID: 32262 **Due date:** 2020-04-20 **Status:** Closed

Actionee: Mark Bishop-DRUMDERG **Date closed:** 2020-04-19

Action description: Remove mini-excavator from stair landing out front of Heritage Courthouse

Attachments

- *No file attachments*

ID: 32263 **Due date:** 2020-04-21 **Status:** Closed

Actionee: Mark Bishop-DRUMDERG **Date closed:** 2020-04-17

Action description: Submit all Plant Service records to Built after mechanic inspection/repairs.

Attachments

- PL2 Kobelco 250-8.docx
- PL3 Kobelco 350LC.docx
- PL4_Kobelco_235-2[1].docx

ID: 32264 **Due date:** 2020-04-21 **Status:** Closed

Actionee: Liam Tamsett **Date closed:** 2020-04-20

Action description: Temporary Lighting & Cabling in Building B Basement to be inspected and rectified (if required)

Site Inspection

by SKE. SKE to provide test records of Lux Levels & evidence of compliance with Australian Standards and SafeWork NSW requirements for temporary electrical works.

Attachments

- *No file attachments*

Monitoring

Details

Form id	117451
Created at	20/04/2020
Completed at	20/04/2020
Status	Complete
Respondent	Benjamin Bates
Division	NSW
Business unit	NSW Construction
Department	Will not be required.
Project	Nihon University Newcastle Campus
Subcontractor	DRUMDERG PTY LTD
Monitoring Activity	SWMS Monitoring
Outline of activity being monitored	Use of crusher- Preparing demolition material to recycled DGB 20 material to build pilling pad
Documents referenced during monitoring *This could include; SWMS, Permit, Traffic Management Plans, Methodology documents, Engineering advice, SOP/JSA. Where possible provide the exact name and version number of the document.*	SWMS 001 Rev 00
Summary of monitoring *Provide an outline of any positive observations or conversations, work practices being performed well, compliance with the documents reference or a brief outline.*	-Checked all workers were inducted -Check all mobile plant completing task is inducted to site -Area is fully excluded demo zone only- Signage in place dust suppression in place forking well -Work area clean and tidy
Was work required to be stopped?	No

High Potential Hazard Reporting

High Potential ***Select from the drop down list those which apply. Use the Add button to add one line per issue***	**Trade/process** ***State the trade who has been identified as being responsible for the hazard. If unknown please state 'Unknown'***	**Comments** ***Describe the situation that is classified as High Potential***

Built staff in attendance

Include the person who is logged in to the software in this section as well as the other attendees

Attendee name
Benjamin Bates
Michael Louis

Others in attendance

This could include workers involved in the activity, the subcontractor supervisor or others

Monitoring

Subcontractor name	Persons name

Monitoring

Additional

Photos

DRUMDERG SERVICES PTY LTD

DRUMDERG SERVICES PTY LTD

SWMS 0001 Rev 00

Organisation Details			
Organisation Name:	Drumderg Services Pty ltd	Contact Name::	Mark Bishop
ACN/ABN	602 063 516 / 38 400 631 228	Contact Position:	Project Manager
Address:	8 Styles Street, Kurri Kurri, NSW 2327	Contract Phone No:	M: 0499 223 202 - P: 1800 185 185

Project Details:			
Project:	NIHON UNIVERSITY	Area:	BUILDING A - DESIGNATED CRUSHING AREA
Activity:	Crushing Operations		This SWMS has been developed in consultation with: S Fam, M Clifford, E Daly Reviewed by: K Daly Position: Director Date: 13/03/2019
Principal:	Built		
Frequency of swms review	SWMS will be reviewed on a monthly basis		
Resources / Trades Involved:	Plant Operators		
Equipment Used:	Crusher		
Maintenance checks:	Daily Prestart inspection checklist		
Materials Used:	D Diesel/ Hydraulic Oil / Multi purpose Grease / SDS folder for hazardous goods/TMPsubstances		
PPE Required	Hard hat, High Vis shirt , glasses, gloves, steel cap boots, long sleeve shirt and long pant, hearing protection, dust mask		

SWMS CRUSHING OPERATIONS

PAGE 1 OF 20

Monitoring



Monitoring



Attachments

- *No file attachments*

Actions Summary

ID	Due date	Date closed	Action description	Status	Last Comment

Actions

Monitoring

Details

Form id	118112
Created at	22/04/2020
Completed at	22/04/2020
Status	Complete
Respondent	Michael Louis
Division	NSW
Business unit	NSW Construction
Department	
Project	Nihon University Newcastle Campus
Subcontractor	BUILT PTY LIMITED
Monitoring Activity	SWMS Monitoring
Outline of activity being monitored	Traffic control, traffic management, pedestrian management
Documents referenced during monitoring *This could include; SWMS, Permit, Traffic Management Plans, Methodology documents, Engineering advice, SOP/JSA. Where possible provide the exact name and version number of the document.*	SWMS, photo, TMP, daily TC check sheet, truck log
Summary of monitoring *Provide an outline of any positive observations or conversations, work practices being performed well, compliance with the documents reference or a brief outline.*	Performed inspection/ observations of works zone, gate access, and traffic/pedestrian management. Spoke with each traffic controller. They are aware of main controls in SWMS, daily truck log requirement, daily checking of signs and footpaths etc.
Was work required to be stopped?	No

High Potential Hazard Reporting

High Potential ***Select from the drop down list those which apply. Use the Add button to add one line per issue***	**Trade/process** ***State the trade who has been identified as being responsible for the hazard. If unknown please state 'Unknown'***	**Comments** ***Describe the situation that is classified as High Potential***

Built staff in attendance

Include the person who is logged in to the software in this section as well as the other attendees

Attendee name
Michael Louis

Others in attendance

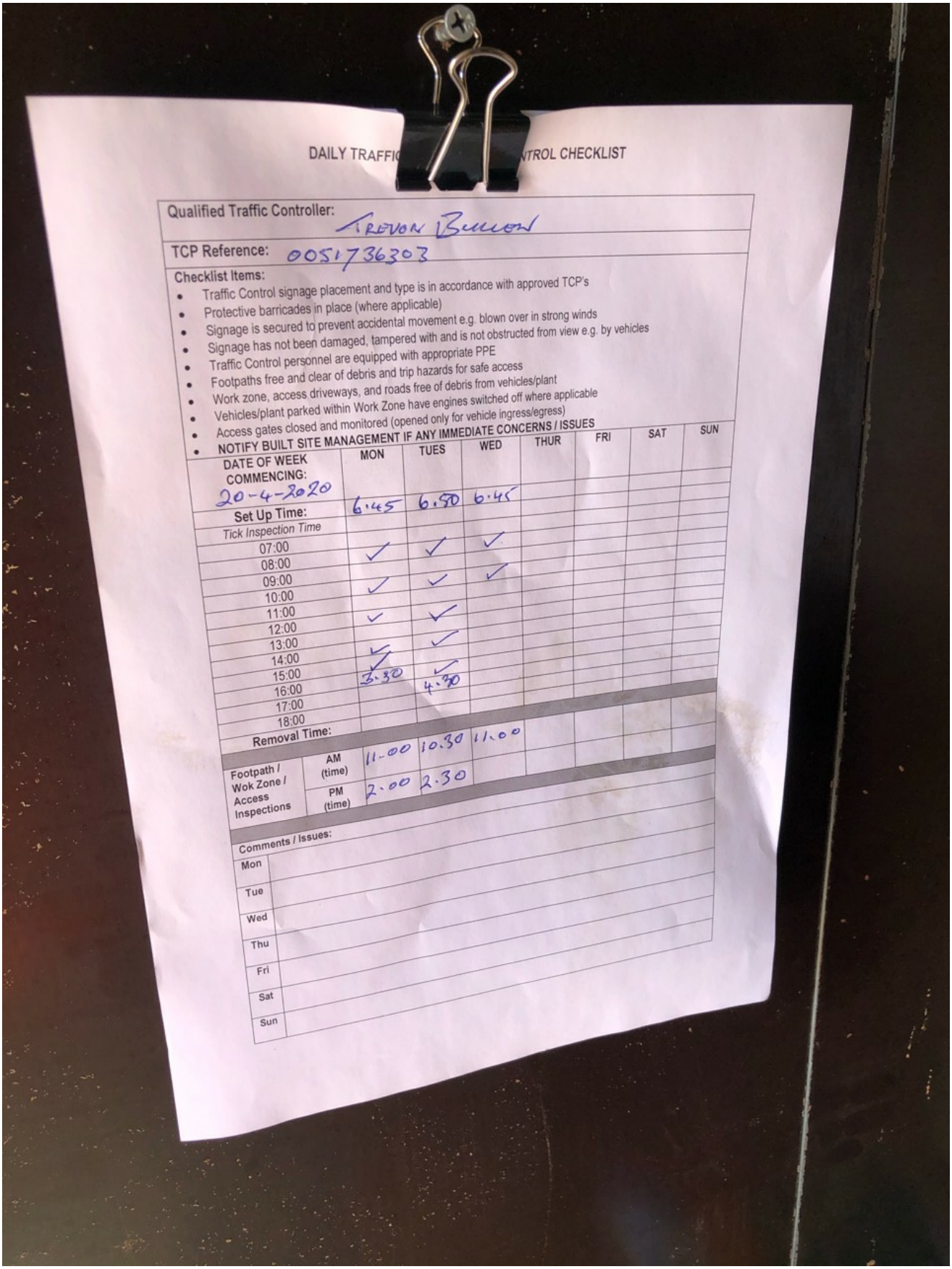
This could include workers involved in the activity, the subcontractor supervisor or others

Subcontractor name	**Persons name**

Monitoring

Additional

Photos



DAILY TRAFFIC ... NTROL CHECKLIST

Qualified Traffic Controller: TREVON BULLOCK

TCP Reference: 0051736303

Checklist Items:

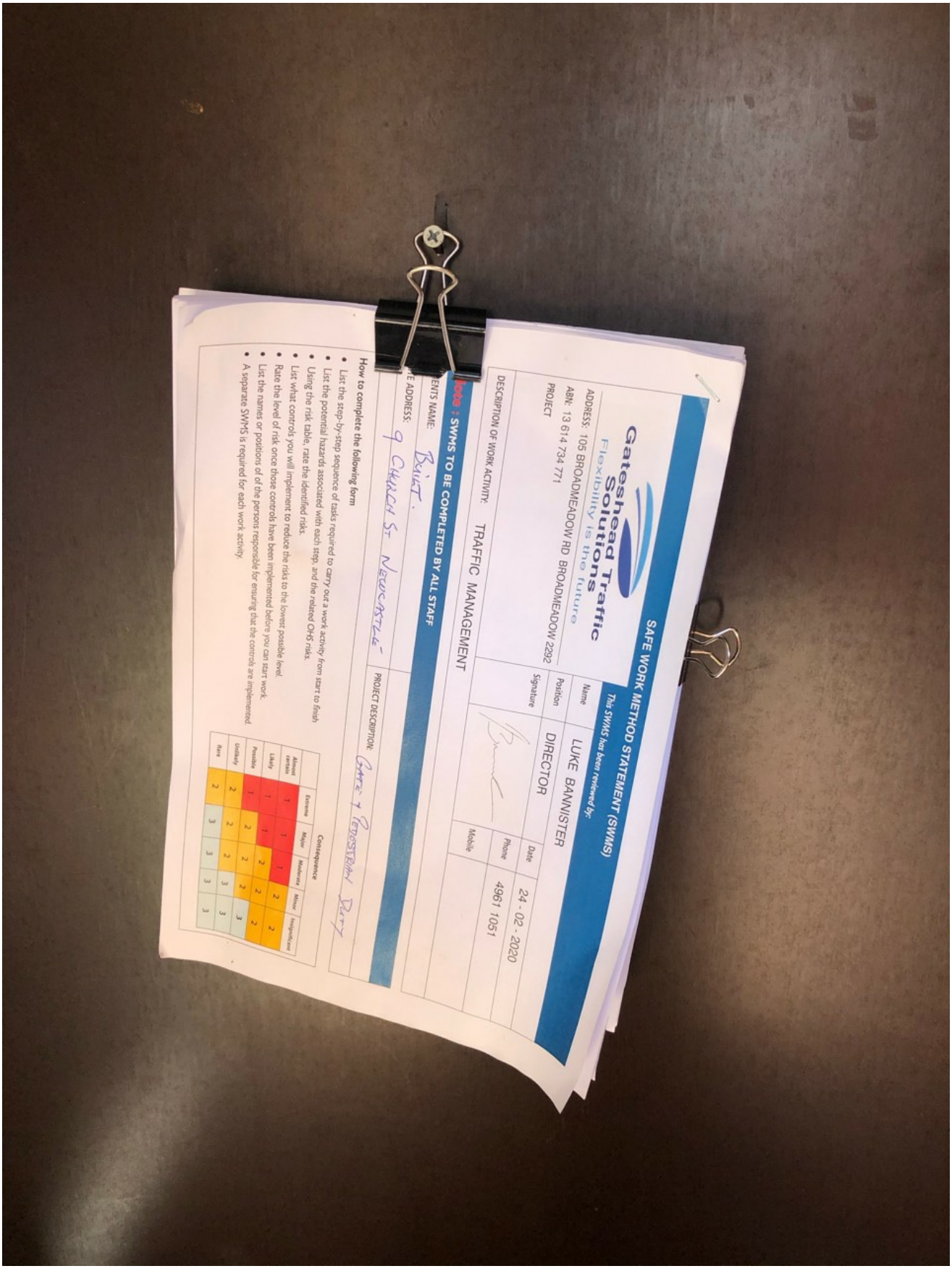
- Traffic Control signage placement and type is in accordance with approved TCP's
- Protective barricades in place (where applicable)
- Signage is secured to prevent accidental movement e.g. blown over in strong winds
- Signage has not been damaged, tampered with and is not obstructed from view e.g. by vehicles
- Traffic Control personnel are equipped with appropriate PPE
- Footpaths free and clear of debris and trip hazards for safe access
- Work zone, access driveways, and roads free of debris from vehicles/plant
- Vehicles/plant parked within Work Zone have engines switched off where applicable
- Access gates closed and monitored (opened only for vehicle ingress/egress)
- NOTIFY BUILT SITE MANAGEMENT IF ANY IMMEDIATE CONCERNS / ISSUES

DATE OF WEEK COMMENCING: 20-4-2020	MON	TUES	WED	THUR	FRI	SAT	SUN
Set Up Time:	6.45	6.50	6.45				
Tick Inspection Time							
07:00	✓	✓	✓				
08:00	✓	✓	✓				
09:00	✓	✓					
10:00	✓	✓					
11:00	✓	✓					
12:00	✓	✓					
13:00	✓	✓					
14:00	✓						
15:00	3.30	✓					
16:00		4.30					
17:00							
18:00							
Removal Time:							
Footpath / Wok Zone / Access Inspections AM (time)	11.00	10.30	11.00				
Footpath / Wok Zone / Access Inspections PM (time)	2.00	2.30					

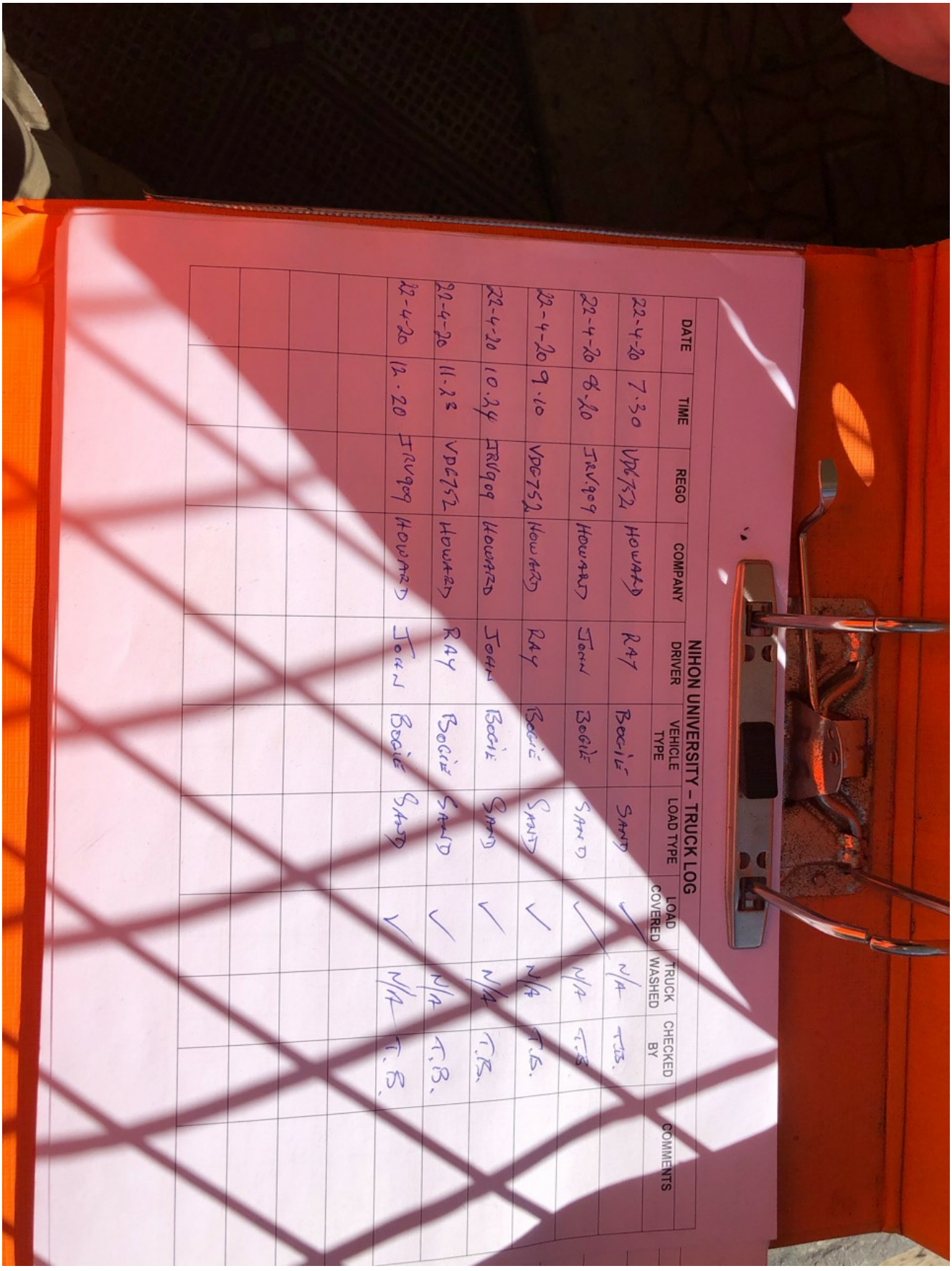
Comments / Issues:

Mon	
Tue	
Wed	
Thu	
Fri	
Sat	
Sun	

Monitoring


Gateshead Traffic Solutions
Flexibility is the future
SAFE WORK METHOD STATEMENT (SWMS)
This SWMS has been reviewed by:
Name
Position
Signature
Date
Phone
Mobile
LUKE BANNISTER
DIRECTOR
24 - 02 - 2020
4961 1051
ADDRESS: 105 BROADMEADOW RD BROADMEADOW 2292
ABN: 13 614 734 771
PROJECT
DESCRIPTION OF WORK ACTIVITY: TRAFFIC MANAGEMENT
Note : SWMS TO BE COMPLETED BY ALL STAFF
PROJECT DESCRIPTION:
How to complete the following form
List the step-by-step sequence of tasks required to carry out a work activity from start to finish
Using the risk table, rate the identified risks.
List what controls you will implement to reduce the risks to the lowest possible level
Rate the level of risk once those controls have been implemented before you can start work.
List the names or positions of the persons responsible for ensuring that the controls are implemented
A separate SWMS is required for each work activity.
Consequence
Extreme
Major
Moderate
Minor
Insignificant
Almost certain
Likely
Possible
Unlikely
Rare

Monitoring



NIHON UNIVERSITY – TRUCK LOG

DATE	TIME	REGO	COMPANY	DRIVER	VEHICLE TYPE	LOAD TYPE	LOAD COVERED	TRUCK WASHED	CHECKED BY	COMMENTS
22-4-20	7.30	VDC752	HOWARD	RAY	BOGIE	SAND	✓	N/A	T.B.	
22-4-20	8.20	IRV909	HOWARD	JOHN	BOGIE	SAND	✓	N/A	T.B.	
22-4-20	9.10	VDC752	HOWARD	RAY	BOGIE	SAND	✓	N/A	T.B.	
22-4-20	10.24	IRV909	HOWARD	JOHN	BOGIE	SAND	✓	N/A	T.B.	
22-4-20	11.28	VDC752	HOWARD	RAY	BOGIE	SAND	✓	N/A	T.B.	
22-4-20	12.20	IRV909	HOWARD	JOHN	BOGIE	SAND	✓	N/A	T.B.	

Monitoring



Monitoring



Monitoring



Monitoring



Monitoring



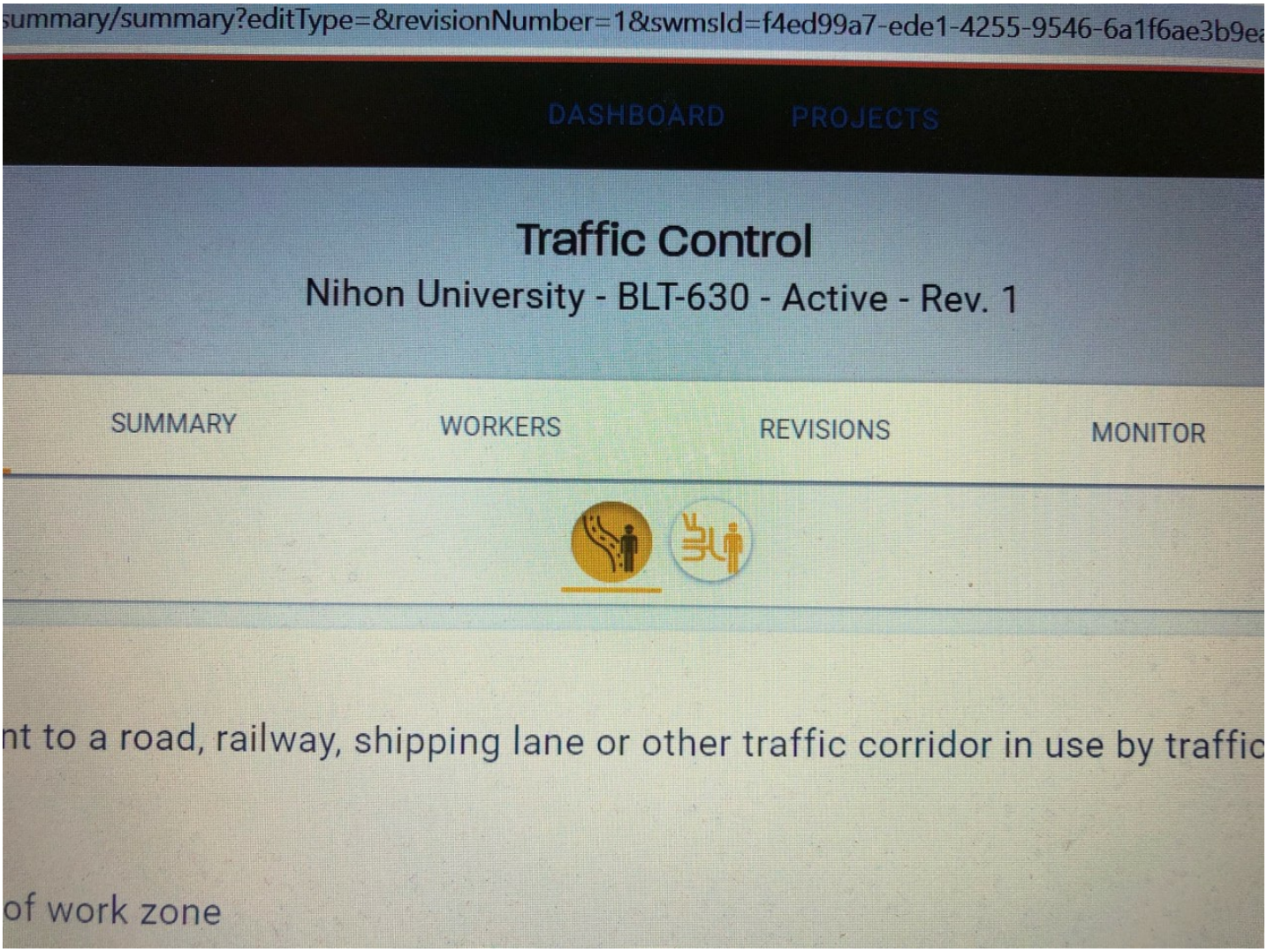
Monitoring



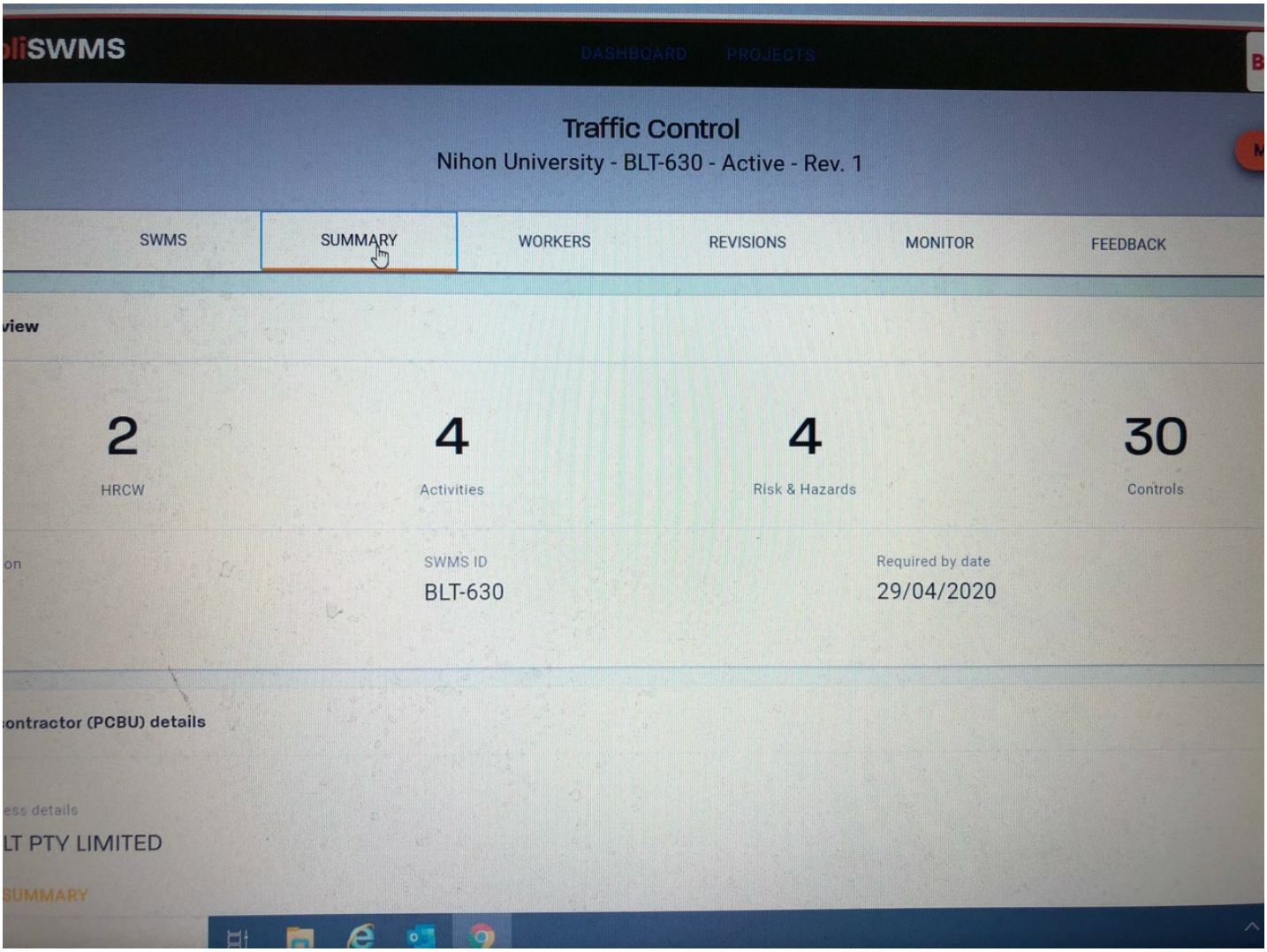
Monitoring



Monitoring


summary/summary?editType=&revisionNumber=1&swmsId=f4ed99a7-ede1-4255-9546-6a1f6ae3b9e
DASHBOARD
PROJECTS
Traffic Control
Nihon University - BLT-630 - Active - Rev. 1
SUMMARY
WORKERS
REVISIONS
MONITOR
nt to a road, railway, shipping lane or other traffic corridor in use by traffic
of work zone

Monitoring



Attachments

- *No file attachments*

Actions Summary

ID	Due date	Date closed	Action description	Status	Last Comment

Actions

Site Inspection

Details

Form id	118583
Created at	24/04/2020
Completed at	24/04/2020
Status	Complete
Respondent	Michael Louis
Division	NSW
Business unit	NSW Construction
Department	
Project	Nihon University Newcastle Campus
Subcontractor	DRUMDERG PTY LTD
Type of Site Inspection	Environmental Inspection

Built Attendance

Include the person who is logged in as well.

Name
Michael Louis

Others in attendance

Subcontractor Name	Persons Name

Areas or Locations Inspected

Identify the area/s reviewed during the inspection. The may include; whole of project, certain levels or certain locations.

Building A

Summary of inspection

This may include; common checks, activities or items reviewed, good practices observed or general commentary of the inspection. Note; all actions need to be registered in the "Actions" area at the bottom of this page.

Reviewed environmental controls during earthworks, dust suppression in place, road is clean. Spill kit in the vicinity of the work area.

High Potential Hazard Reporting

High Potential Classification *Select from the drop down list those which apply. Use the Add button to add one line per issue*	Trade/Process *State the trade who has been identified as being responsible for the hazard. If unknown please state 'Unknown'*	Comments *Describe the situation that is classified as High Potential*

Site Inspection

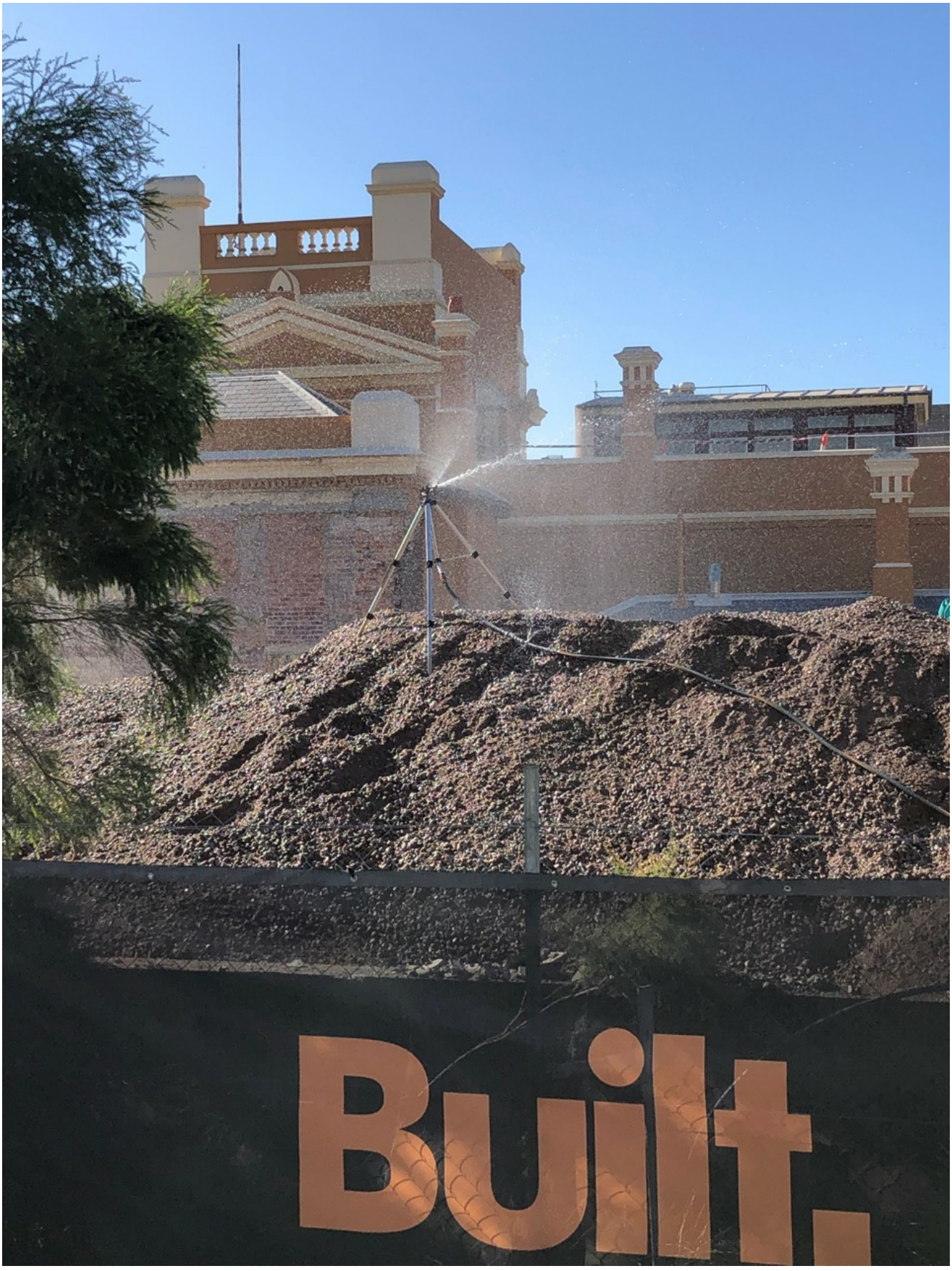
Additional

Photos

Site Inspection



Site Inspection



Attachments

- *No file attachments*

Actions Summary

Site Inspection

ID	Due date	Date closed	Action description	Status	Last Comment

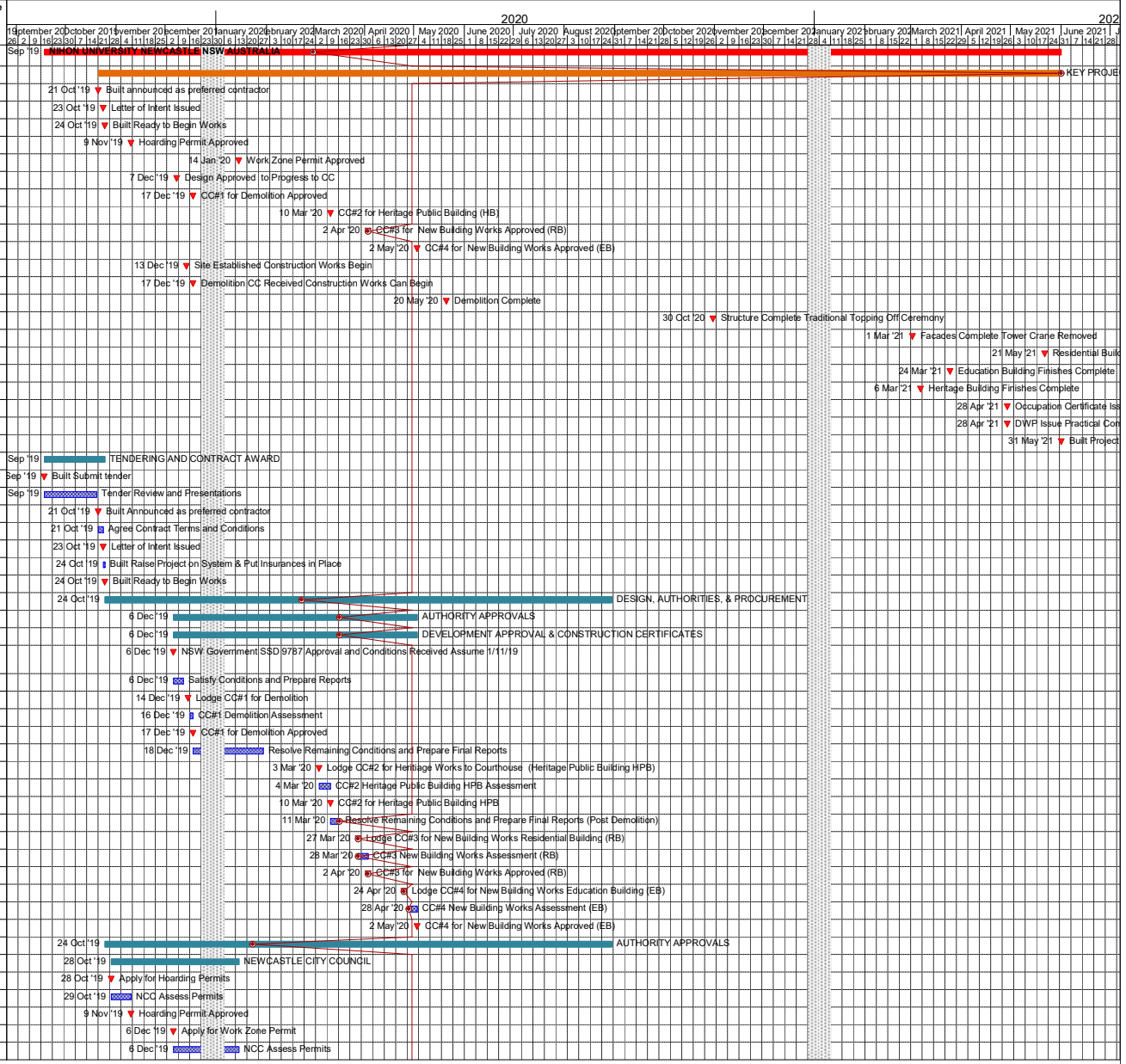
Actions

Appendix D – Statused Contract Programme

Prepared By: Rod O"Neill
Checked: SV
Revision : Rev 3 Contract

Built NIHON UNIVERSITY
9 CHURCH STREET NEWCASTLE 2300
Contract Programme

ID	Task Name	Dur	Start	Finish	% Complete
0	**NIHON UNIVERSITY NEWCASTLE NSW AUSTRALIA**	**457 d**	**Wed 18/09/19**	**Mon 31/05/21**	**18%**
1	**KEY PROJECT MILESTONES**	**437 d**	**Mon 21/10/19**	**Mon 31/05/21**	**0%**
2	Built announced as preferred contractor	0 d	Mon 21/10/19	Mon 21/10/19	*100%*
3	Letter of Intent Issued	0 d	Wed 23/10/19	Wed 23/10/19	*100%*
4	Built Ready to Begin Works	0 d	Thu 24/10/19	Thu 24/10/19	*100%*
5	*Hoarding Permit Approved*	*0 d*	*Sat 9/11/19*	*Sat 9/11/19*	*100%*
6	*Work Zone Permit Approved*	*0 d*	*Tue 14/01/20*	*Tue 14/01/20*	*100%*
7	Design Approved to Progress to CC	0 d	Sat 7/12/19	Sat 7/12/19	*100%*
8	*CC#1 for Demolition Approved*	*0 d*	*Tue 17/12/19*	*Tue 17/12/19*	*100%*
9	*CC#2 for Heritage Public Building (HB)*	*0 d*	*Tue 10/03/20*	*Tue 10/03/20*	*100%*
10	*CC#3 for New Building Works Approved (RB)*	*0 d*	*Thu 2/04/20*	*Thu 2/04/20*	*0%*
11	*CC#4 for New Building Works Approved (EB)*	*0 d*	*Sat 2/05/20*	*Sat 2/05/20*	*0%*
12	Site Established Construction Works Begin	0 d	Fri 13/12/19	Fri 13/12/19	*100%*
13	Demolition CC Received Construction Works Can Begin	0 d	Tue 17/12/19	Tue 17/12/19	*100%*
14	*Demolition Complete*	*0 d*	*Wed 20/05/20*	*Wed 20/05/20*	*0%*
15	*Structure Complete Traditional Topping Off Ceremony*	*0 d*	*Fri 30/10/20*	*Fri 30/10/20*	*0%*
16	Facades Complete Tower Crane Removed	0 d	Mon 1/03/21	Mon 1/03/21	*0%*
17	*Residential Building Finishes Complete*	*0 d*	*Fri 21/05/21*	*Fri 21/05/21*	*0%*
18	*Education Building Finishes Complete*	*0 d*	*Wed 24/03/21*	*Wed 24/03/21*	*0%*
19	*Heritage Building Finishes Complete*	*0 d*	*Sat 6/03/21*	*Sat 6/03/21*	*0%*
20	*Occupation Certificate Issued*	*0 d*	*Wed 28/04/21*	*Wed 28/04/21*	*0%*
21	*DWP Issue Practical Completion*	*0 d*	*Wed 28/04/21*	*Wed 28/04/21*	*0%*
22	*Built Project Complete*	*0 d*	*Mon 31/05/21*	*Mon 31/05/21*	*0%*
23	**TENDERING AND CONTRACT AWARD**	**29 d**	**Wed 18/09/19**	**Thu 24/10/19**	**100%**
24	Built Submit tender	0 d	Wed 18/09/19	Wed 18/09/19	*100%*
25	Tender Review and Presentations	25 d	Wed 18/09/19	Sat 19/10/19	100%
26	Built Announced as preferred contractor	0 d	Mon 21/10/19	Mon 21/10/19	*100%*
27	Agree Contract Terms and Conditions	3 d	Mon 21/10/19	Wed 23/10/19	100%
28	Letter of Intent Issued	0 d	Wed 23/10/19	Wed 23/10/19	*100%*
29	Built Raise Project on System & Put Insurances in Place	1 d	Thu 24/10/19	Thu 24/10/19	100%
30	Built Ready to Begin Works	0 d	Thu 24/10/19	Thu 24/10/19	*100%*
31	**DESIGN, AUTHORITIES, & PROCUREMENT**	**230 d**	**Thu 24/10/19**	**Sat 29/08/20**	**55%**
32	**AUTHORITY APPROVALS**	**103 d**	**Fri 6/12/19**	**Sat 2/05/20**	**78%**
33	**DEVELOPMENT APPROVAL & CONSTRUCTION CERTIFIC**	**103 d**	**Fri 6/12/19**	**Sat 2/05/20**	**78%**
34	*NSW Government SSD 9787 Approval and Conditions Received Assume 1/11/19*	*0 d*	*Fri 6/12/19*	*Fri 6/12/19*	*100%*
35	Satisfy Conditions and Prepare Reports	5 d	Fri 6/12/19	Wed 11/12/19	100%
36	*Lodge CC#1 for Demolition*	*0 d*	*Sat 14/12/19*	*Sat 14/12/19*	*100%*
37	CC#1 Demolition Assessment	2 d	Mon 16/12/19	Tue 17/12/19	100%
38	*CC#1 for Demolition Approved*	*0 d*	*Tue 17/12/19*	*Tue 17/12/19*	*100%*
39	Resolve Remaining Conditions and Prepare Final Reports	20 d	Wed 18/12/19	Wed 29/01/20	100%
40	Lodge CC#2 for Heritiage Works to Courthouse (Heritage Public Bu	0 d	Tue 3/03/20	Tue 3/03/20	*100%*
41	CC#2 Heritage Public Building HPB Assessment	5 d	Wed 4/03/20	Tue 10/03/20	100%
42	*CC#2 for Heritage Public Building HPB*	*0 d*	*Tue 10/03/20*	*Tue 10/03/20*	*100%*
43	Resolve Remaining Conditions and Prepare Final Reports (Post Der	5 d	Wed 11/03/20	Mon 16/03/20	90%
44	Lodge CC#3 for New Building Works Residential Building (RB)	0 d	Fri 27/03/20	Fri 27/03/20	*0%*
45	CC#3 New Building Works Assessment (RB)	5 d	Sat 28/03/20	Thu 2/04/20	0%
46	*CC#3 for New Building Works Approved (RB)*	*0 d*	*Thu 2/04/20*	*Thu 2/04/20*	*0%*
47	Lodge CC#4 for New Building Works Education Building (EB)	0 d	Fri 24/04/20	Fri 24/04/20	*0%*
48	CC#4 New Building Works Assessment (EB)	5 d	Tue 28/04/20	Sat 2/05/20	0%
49	*CC#4 for New Building Works Approved (EB)*	*0 d*	*Sat 2/05/20*	*Sat 2/05/20*	*0%*
50	**AUTHORITY APPROVALS**	**230 d**	**Thu 24/10/19**	**Sat 29/08/20**	**51%**
51	**NEWCASTLE CITY COUNCIL**	**49 d**	**Mon 28/10/19**	**Tue 14/01/20**	**100%**
52	*Apply for Hoarding Permits*	*0 d*	*Mon 28/10/19*	*Mon 28/10/19*	*100%*
53	NCC Assess Permits	10 d	Tue 29/10/19	Sat 9/11/19	100%
54	*Hoarding Permit Approved*	*0 d*	*Sat 9/11/19*	*Sat 9/11/19*	*100%*
55	*Apply for Work Zone Permit*	*0 d*	*Fri 6/12/19*	*Fri 6/12/19*	*100%*
56	NCC Assess Permits	20 d	Fri 6/12/19	Tue 14/01/20	100%



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ID	Task Name	Dur	Start	Finish	% Complete
57	Police Advised to Remove Layover Spots	0 d	Fri 6/12/19	Fri 6/12/19	100%
58	*Work Zone Permit Approved*	*0 d*	*Tue 14/01/20*	*Tue 14/01/20*	*100%*
59	**POWER - ASP1 & AUSGRID**	**190 d**	**Sat 14/12/19**	**Sat 29/08/20**	**0%**
60	Client Provides Certified AUSGRID HV design	0 d	Sat 14/12/19	Sat 14/12/19	0%
61	Built Engage ASP1 Contractor For Works	30 d	Mon 16/12/19	Fri 7/02/20	0%
62	*Easement Executed by Client*	*0 d*	*Fri 7/02/20*	*Fri 7/02/20*	*0%*
63	HV Transformer/Equipment Procurement	120 d	Sat 8/02/20	Sat 11/07/20	0%
64	HV Cabling Works to Site	30 d	Mon 13/07/20	Tue 18/08/20	0%
65	HV Transformers/equip delivered & Installed	10 d	Wed 19/08/20	Sat 29/08/20	0%
66	Permanent Power Available	0 d	Sat 29/08/20	Sat 29/08/20	0%
67	**SUBSIDENCE ADVISORY NSW**	**124 d**	**Fri 25/10/19**	**Fri 17/04/20**	**96%**
68	Complete Geotech Investigations on Site Stage 1 (RB)	10 d	Fri 25/10/19	Wed 6/11/19	100%
69	Geotech Desktop Merit Based Assessment Completed and Issued to SA	10 d	Thu 7/11/19	Mon 18/11/19	100%
70	SA Review and Approve (Built Assume No Grouting Required)	30 d	Tue 19/11/19	Sat 11/01/20	100%
71	Complete Geotech Investigations on Site Stage 2 (EB)	5 d	Sat 21/03/20	Thu 26/03/20	100%
72	Geotech Assessment Completed and Issued to SA	5 d	Fri 27/03/20	Wed 1/04/20	100%
73	SA Review and Approve (Built Assume No Grouting Required)	10 d	Thu 2/04/20	Fri 17/04/20	75%
74	*SA Rrequirements Satisfied*	*0 d*	*Fri 17/04/20*	*Fri 17/04/20*	*0%*
75	**HUNTER WATER**	**20 d**	**Sat 14/12/19**	**Thu 23/01/20**	**100%**
76	Client Provide Certified Design	0 d	Sat 14/12/19	Sat 14/12/19	100%
77	Client Applies for Service/Connection	20 d	Mon 16/12/19	Thu 23/01/20	100%
78	*Design Approved*	*0 d*	*Thu 23/01/20*	*Thu 23/01/20*	*100%*
79	**GEMENA**	**20 d**	**Sat 14/12/19**	**Thu 23/01/20**	**100%**
80	Client Provide Certified Design	0 d	Sat 14/12/19	Sat 14/12/19	100%
81	Client Applies for Service/Connection	20 d	Mon 16/12/19	Thu 23/01/20	100%
82	*Connection Approved*	*0 d*	*Thu 23/01/20*	*Thu 23/01/20*	*100%*
83	**NBN**	**20 d**	**Sat 14/12/19**	**Thu 23/01/20**	**100%**
84	Client Provide Certified Design	0 d	Sat 14/12/19	Sat 14/12/19	100%
85	Client Applies for Service/Connection	20 d	Mon 16/12/19	Thu 23/01/20	100%
86	*Connection Approved*	*0 d*	*Thu 23/01/20*	*Thu 23/01/20*	*100%*
87	**FIRE BRIGADE**	**40 d**	**Thu 24/10/19**	**Sat 14/12/19**	**100%**
88	Client Provide Fire Engineered Report	0 d	Thu 24/10/19	Thu 24/10/19	100%
89	Brigade Review and Approve	40 d	Fri 25/10/19	Sat 14/12/19	100%
90	*Report Endorsed*	*0 d*	*Sat 14/12/19*	*Sat 14/12/19*	*100%*
91	**KEY DESIGN DEVELOPMENT**	**190 d**	**Fri 25/10/19**	**Sat 11/07/20**	**94%**
92	**DESIGN START UP**	**34 d**	**Fri 25/10/19**	**Sat 7/12/19**	**100%**
93	Built Engage Services Designers	10 d	Fri 25/10/19	Wed 6/11/19	100%
94	Initial Design workshops to Agree Key Deliverables	2 d	Thu 7/11/19	Fri 8/11/19	100%
95	Complete Review Current Documents and Prepare Initial Concepts I	5 d	Sat 9/11/19	Thu 14/11/19	100%
96	Undertake Risk and Opportunities At Design ROADS Session	2 d	Fri 15/11/19	Sat 16/11/19	100%
97	Update Concepts/Initial Design	15 d	Mon 18/11/19	Sat 7/12/19	100%
98	Design Approved to Progress to CC	0 d	Sat 7/12/19	Sat 7/12/19	100%
99	**DESIGN DOCUMENTATION FOR CC**	**96 d**	**Mon 9/12/19**	**Fri 24/04/20**	**91%**
100	Consultants Prepare CC Demolition Documentation	5 d	Mon 9/12/19	Fri 13/12/19	100%
101	CC#1 Documentation Compiled for Issue	0 d	Sat 14/12/19	Sat 14/12/19	100%
102	Consultants Prepare CC Heritage Public Building Documentation	30 d	Fri 24/01/20	Tue 3/03/20	90%
103	CC#2 Documentation Compiled for Issue	0 d	Tue 3/03/20	Tue 3/03/20	0%
104	Consultants Prepare CC New Residential Building Works Document	20 d	Wed 4/03/20	Fri 27/03/20	90%
105	CC#3 Documentation Compiled for Issue	0 d	Fri 27/03/20	Fri 27/03/20	0%
106	Consultants Prepare CC New Education Building Works Documenta	20 d	Sat 28/03/20	Fri 24/04/20	90%
107	CC#4 Documentation Compiled for Issue	0 d	Fri 24/04/20	Fri 24/04/20	0%
108	**DESIGN DOCUMENTATION MILESTONES FOR AFC**	**150 d**	**Sat 14/12/19**	**Sat 11/07/20**	**0%**
109	Demolition - AFC Design	0 d	Sat 14/12/19	Sat 14/12/19	100%
110	Civil Works - AFC Design	0 d	Thu 23/01/20	Thu 23/01/20	0%
111	Inground Services - AFC Design	0 d	Thu 23/01/20	Thu 23/01/20	100%
112	Structure Footings & Level 1 - AFC Design	0 d	Thu 20/02/20	Thu 20/02/20	100%
113	Structure Remaining - AFC Design	0 d	Sat 21/03/20	Sat 21/03/20	0%

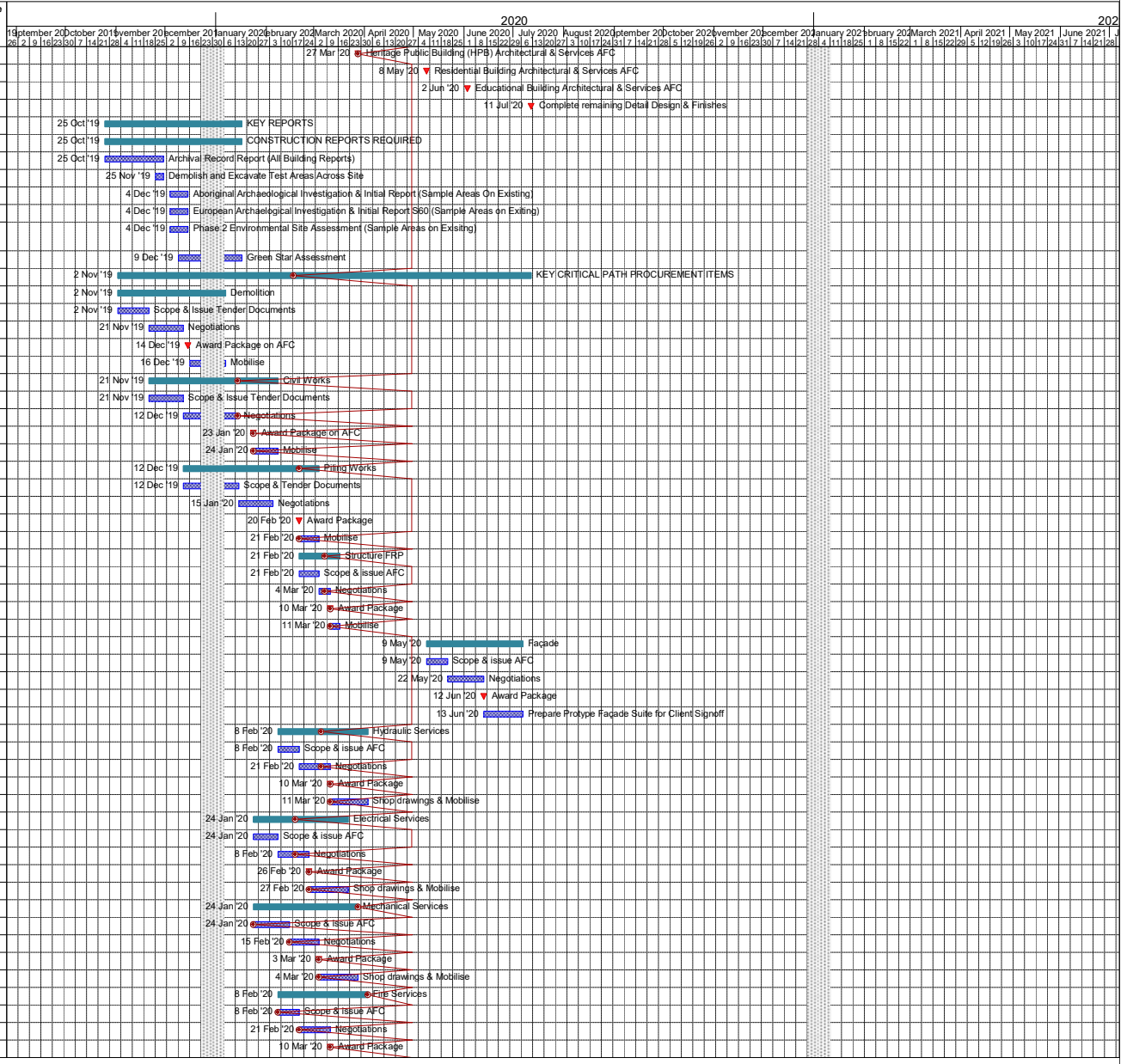


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114	Heritage Public Building (HPB) Architectural & Services AFC	0 d	Fri 27/03/20	Fri 27/03/20	0%
115	Residential Building Architectural & Services AFC	0 d	Fri 8/05/20	Fri 8/05/20	0%
116	Educational Building Architectural & Services AFC	0 d	Tue 2/06/20	Tue 2/06/20	0%
117	Complete remaining Detail Design & Finishes	0 d	Sat 11/07/20	Sat 11/07/20	0%
118	**KEY REPORTS**	**54 d**	**Fri 25/10/19**	**Thu 16/01/20**	**100%**
119	**CONSTRUCTION REPORTS REQUIRED**	**54 d**	**Fri 25/10/19**	**Thu 16/01/20**	**100%**
120	Archival Record Report (All Building Reports)	30 d	Fri 25/10/19	Fri 29/11/19	100%
121	Demolish and Excavate Test Areas Across Site	5 d	Mon 25/11/19	Fri 29/11/19	100%
122	Aboriginal Archaeological Investigation & Initial Report (Sample Area	10 d	Wed 4/12/19	Sat 14/12/19	100%
123	European Archaeological Investigation & Initial Report S60 (Sample A	10 d	Wed 4/12/19	Sat 14/12/19	100%
124	Phase 2 Environmental Site Assessment (Sample Areas on Exisitng)	10 d	Wed 4/12/19	Sat 14/12/19	100%
125	Green Star Assessment	20 d	Mon 9/12/19	Thu 16/01/20	100%
126	**KEY CRITICAL PATH PROCUREMENT ITEMS**	**183 d**	**Sat 2/11/19**	**Sat 11/07/20**	**37%**
127	**Demolition**	**38 d**	**Sat 2/11/19**	**Mon 6/01/20**	**100%**
128	Scope & Issue Tender Documents	15 d	Sat 2/11/19	Wed 20/11/19	100%
129	Negotiations	15 d	Thu 21/11/19	Wed 11/12/19	100%
130	*Award Package on AFC*	*0 d*	*Sat 14/12/19*	*Sat 14/12/19*	*100%*
131	Mobilise	5 d	Mon 16/12/19	Mon 6/01/20	100%
132	**Civil Works**	**48 d**	**Thu 21/11/19**	**Fri 7/02/20**	**73%**
133	Scope & Issue Tender Documents	15 d	Thu 21/11/19	Wed 11/12/19	100%
134	Negotiations	15 d	Thu 12/12/19	Tue 14/01/20	95%
135	*Award Package on AFC*	*0 d*	*Thu 23/01/20*	*Thu 23/01/20*	*0%*
136	Mobilise	10 d	Fri 24/01/20	Fri 7/02/20	0%
137	**Piling Works**	**53 d**	**Thu 12/12/19**	**Tue 3/03/20**	**75%**
138	Scope & Tender Documents	15 d	Thu 12/12/19	Tue 14/01/20	100%
139	Negotiations	15 d	Wed 15/01/20	Tue 4/02/20	100%
140	*Award Package*	*0 d*	*Thu 20/02/20*	*Thu 20/02/20*	*100%*
141	Mobilise	10 d	Fri 21/02/20	Tue 3/03/20	0%
142	**Structure FRP**	**20 d**	**Fri 21/02/20**	**Mon 16/03/20**	**69%**
143	Scope & issue AFC	10 d	Fri 21/02/20	Tue 3/03/20	100%
144	Negotiations	5 d	Wed 4/03/20	Tue 10/03/20	75%
145	*Award Package*	*0 d*	*Tue 10/03/20*	*Tue 10/03/20*	*0%*
146	Mobilise	5 d	Wed 11/03/20	Mon 16/03/20	0%
147	**Façade**	**45 d**	**Sat 9/05/20**	**Mon 6/07/20**	**0%**
148	Scope & issue AFC	10 d	Sat 9/05/20	Thu 21/05/20	0%
149	Negotiations	15 d	Fri 22/05/20	Fri 12/06/20	0%
150	*Award Package*	*0 d*	*Fri 12/06/20*	*Fri 12/06/20*	*0%*
151	Prepare Protype Façade Suite for Client Signoff	20 d	Sat 13/06/20	Mon 6/07/20	0%
152	**Hydraulic Services**	**45 d**	**Sat 8/02/20**	**Thu 2/04/20**	**47%**
153	Scope & issue AFC	10 d	Sat 8/02/20	Thu 20/02/20	100%
154	Negotiations	15 d	Fri 21/02/20	Tue 10/03/20	75%
155	*Award Package*	*0 d*	*Tue 10/03/20*	*Tue 10/03/20*	*0%*
156	Shop drawings & Mobilise	20 d	Wed 11/03/20	Thu 2/04/20	0%
157	**Electrical Services**	**45 d**	**Fri 24/01/20**	**Sat 21/03/20**	**39%**
158	Scope & issue AFC	10 d	Fri 24/01/20	Fri 7/02/20	100%
159	Negotiations	15 d	Sat 8/02/20	Wed 26/02/20	50%
160	*Award Package*	*0 d*	*Wed 26/02/20*	*Wed 26/02/20*	*0%*
161	Shop drawings & Mobilise	20 d	Thu 27/02/20	Sat 21/03/20	0%
162	**Mechanical Services**	**50 d**	**Fri 24/01/20**	**Fri 27/03/20**	**0%**
163	Scope & issue AFC	15 d	Fri 24/01/20	Fri 14/02/20	0%
164	Negotiations	15 d	Sat 15/02/20	Tue 3/03/20	0%
165	*Award Package*	*0 d*	*Tue 3/03/20*	*Tue 3/03/20*	*0%*
166	Shop drawings & Mobilise	20 d	Wed 4/03/20	Fri 27/03/20	0%
167	**Fire Services**	**45 d**	**Sat 8/02/20**	**Thu 2/04/20**	**0%**
168	Scope & issue AFC	10 d	Sat 8/02/20	Thu 20/02/20	0%
169	Negotiations	15 d	Fri 21/02/20	Tue 10/03/20	0%
170	*Award Package*	*0 d*	*Tue 10/03/20*	*Tue 10/03/20*	*0%*



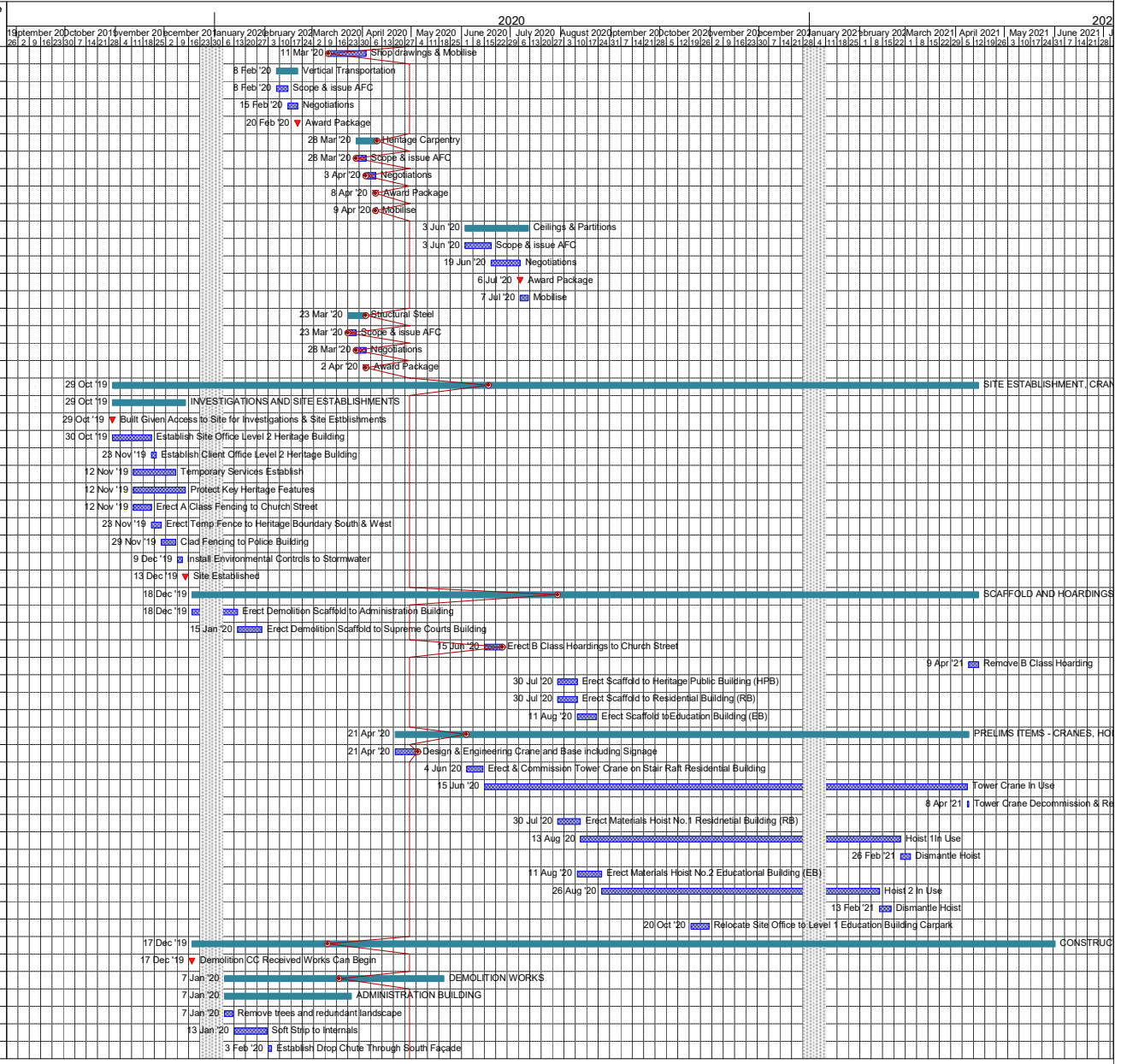
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ID	Task Name	Dur	Start	Finish	% Complete
171	Shop drawings & Mobilise	20 d	Wed 11/03/20	Thu 2/04/20	0%
172	**Vertical Transportation**	**10 d**	**Sat 8/02/20**	**Thu 20/02/20**	**100%**
173	Scope & issue AFC	5 d	Sat 8/02/20	Fri 14/02/20	100%
174	Negotiations	5 d	Sat 15/02/20	Thu 20/02/20	100%
175	*Award Package*	*0 d*	*Thu 20/02/20*	*Thu 20/02/20*	*100%*
176	**Heritage Carpentry**	**11 d**	**Sat 28/03/20**	**Thu 9/04/20**	**0%**
177	Scope & issue AFC	5 d	Sat 28/03/20	Thu 2/04/20	0%
178	Negotiations	5 d	Fri 3/04/20	Wed 8/04/20	0%
179	*Award Package*	*0 d*	*Wed 8/04/20*	*Wed 8/04/20*	*0%*
180	Mobilise	1 d	Thu 9/04/20	Thu 9/04/20	0%
181	**Ceilings & Partitions**	**30 d**	**Wed 3/06/20**	**Sat 11/07/20**	**0%**
182	Scope & issue AFC	10 d	Wed 3/06/20	Thu 18/06/20	0%
183	Negotiations	15 d	Fri 19/06/20	Mon 6/07/20	0%
184	*Award Package*	*0 d*	*Mon 6/07/20*	*Mon 6/07/20*	*0%*
185	Mobilise	5 d	Tue 7/07/20	Sat 11/07/20	0%
186	**Structural Steel**	**10 d**	**Mon 23/03/20**	**Thu 2/04/20**	**0%**
187	Scope & issue AFC	5 d	Mon 23/03/20	Fri 27/03/20	0%
188	Negotiations	5 d	Sat 28/03/20	Thu 2/04/20	0%
189	*Award Package*	*0 d*	*Thu 2/04/20*	*Thu 2/04/20*	*0%*
190	**SITE ESTABLISHMENT, CRANES, HOISTS ETC**	**388 d**	**Tue 29/10/19**	**Wed 14/04/21**	**19%**
191	**INVESTIGATIONS AND SITE ESTABLISHMENTS**	**35 d**	**Tue 29/10/19**	**Fri 13/12/19**	**100%**
192	*Built Given Access to Site for Investigations & Site Estblishments*	*0 d*	*Tue 29/10/19*	*Tue 29/10/19*	*100%*
193	Establish Site Office Level 2 Heritage Building	20 d	Wed 30/10/19	Fri 22/11/19	100%
194	Establish Client Office Level 2 Heritage Building	2 d	Sat 23/11/19	Mon 25/11/19	100%
195	Temporary Services Establish	20 d	Tue 12/11/19	Sat 7/12/19	100%
196	Protect Key Heritage Features	25 d	Tue 12/11/19	Fri 13/12/19	100%
197	Erect A Class Fencing to Church Street	10 d	Tue 12/11/19	Fri 22/11/19	100%
198	Erect Temp Fence to Heritage Boundary South & West	5 d	Sat 23/11/19	Thu 28/11/19	100%
199	Clad Fencing to Police Building	5 d	Fri 29/11/19	Sat 7/12/19	100%
200	Install Environmental Controls to Stormwater	3 d	Mon 9/12/19	Wed 11/12/19	100%
201	Site Established	0 d	Fri 13/12/19	Fri 13/12/19	*100%*
202	**SCAFFOLD AND HOARDINGS**	**350 d**	**Wed 18/12/19**	**Wed 14/04/21**	**46%**
203	Erect Demolition Scaffold to Administration Building	10 d	Wed 18/12/19	Tue 14/01/20	100%
204	Erect Demolition Scaffold to Supreme Courts Building	10 d	Wed 15/01/20	Wed 29/01/20	100%
205	Erect B Class Hoardings to Church Street	10 d	Mon 15/06/20	Thu 25/06/20	100%
206	Remove B Class Hoarding	5 d	Fri 9/04/21	Wed 14/04/21	0%
207	Erect Scaffold to Heritage Public Building (HPB)	10 d	Thu 30/07/20	Mon 10/08/20	0%
208	Erect Scaffold to Residential Building (RB)	10 d	Thu 30/07/20	Mon 10/08/20	0%
209	Erect Scaffold toEducation Building (EB)	10 d	Tue 11/08/20	Sat 22/08/20	0%
210	**PRELIMS ITEMS - CRANES, HOISTS ETC**	**261 d**	**Tue 21/04/20**	**Thu 8/04/21**	**2%**
211	Design & Engineering Crane and Base including Signage	10 d	Tue 21/04/20	Mon 4/05/20	100%
212	Erect & Commission Tower Crane on Stair Raft Residential Building	5 d	Thu 4/06/20	Sat 13/06/20	0%
213	Tower Crane In Use	220 d	Mon 15/06/20	Wed 7/04/21	0%
214	Tower Crane Decommission & Remove Tower Crane	1 d	Thu 8/04/21	Thu 8/04/21	0%
215	Erect Materials Hoist No.1 Residnetial Building (RB)	12 d	Thu 30/07/20	Wed 12/08/20	0%
216	Hoist 1In Use	140 d	Thu 13/08/20	Thu 25/02/21	0%
217	Dismantle Hoist	5 d	Fri 26/02/21	Wed 3/03/21	0%
218	Erect Materials Hoist No.2 Educational Building (EB)	12 d	Tue 11/08/20	Tue 25/08/20	0%
219	Hoist 2 In Use	120 d	Wed 26/08/20	Fri 12/02/21	0%
220	Dismantle Hoist	5 d	Sat 13/02/21	Fri 19/02/21	0%
221	Relocate Site Office to Level 1 Education Building Carpark	10 d	Tue 20/10/20	Fri 30/10/20	0%
222	**CONSTRUCTION WORKS**	**386 d**	**Tue 17/12/19**	**Mon 31/05/21**	**5%**
223	Demolition CC Received Works Can Begin	0 d	Tue 17/12/19	Tue 17/12/19	*100%*
224	**DEMOLITION WORKS**	**104 d**	**Tue 7/01/20**	**Wed 20/05/20**	**74%**
225	**ADMINISTRATION BUILDING**	**62 d**	**Tue 7/01/20**	**Tue 24/03/20**	**100%**
226	Remove trees and redundant landscape	5 d	Tue 7/01/20	Sat 11/01/20	100%
227	Soft Strip to Internals	15 d	Mon 13/01/20	Sat 1/02/20	100%
228	Establish Drop Chute Through South Façade	2 d	Mon 3/02/20	Tue 4/02/20	100%



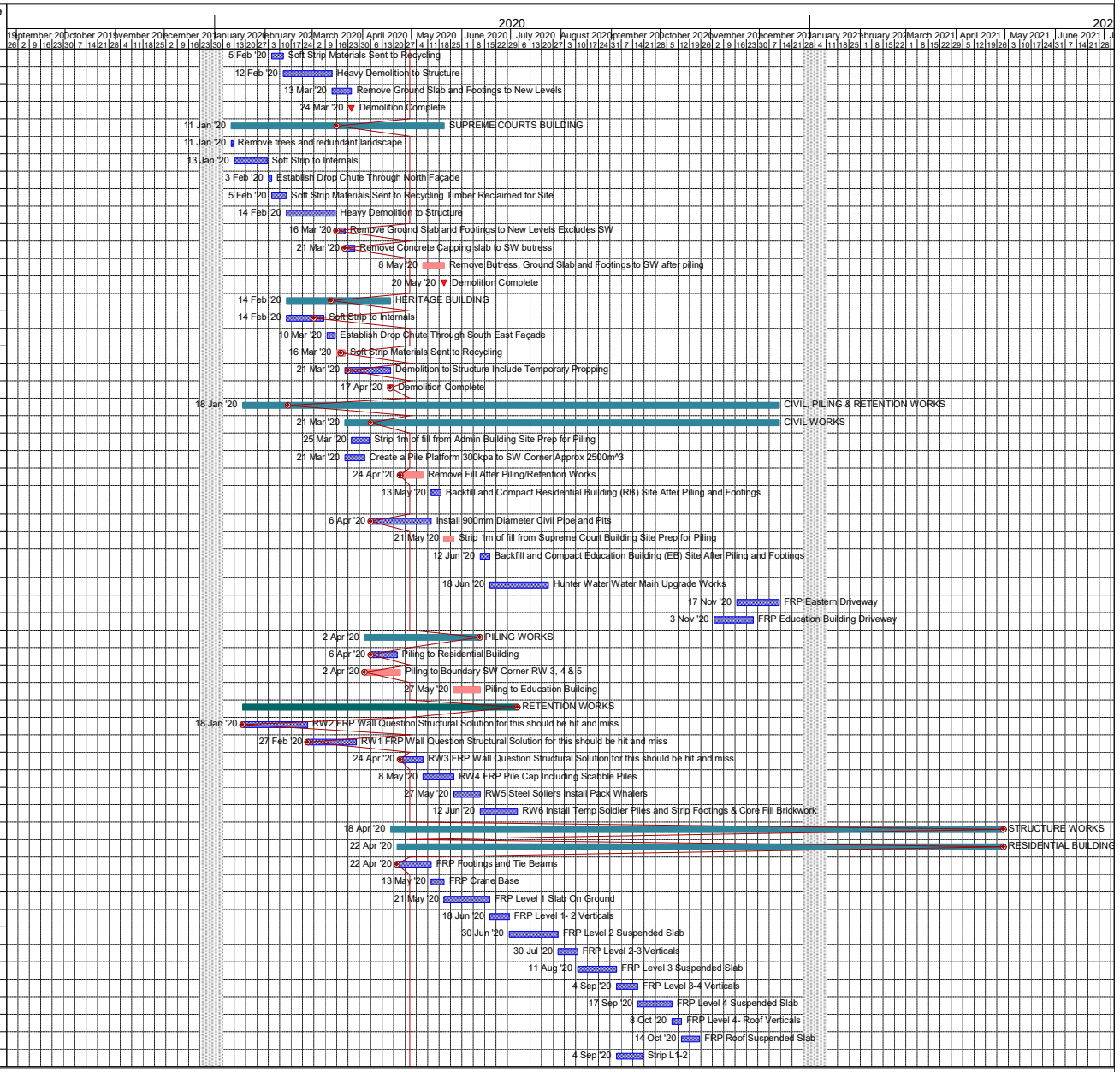
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229	Soft Strip Materials Sent to Recycling	5 d	Wed 5/02/20	Tue 11/02/20	100%
230	Heavy Demolition to Structure	25 d	Wed 12/02/20	Thu 12/03/20	100%
231	Remove Ground Slab and Footings to New Levels	10 d	Fri 13/03/20	Tue 24/03/20	100%
232	*Demolition Complete*	*0 d*	*Tue 24/03/20*	*Tue 24/03/20*	*100%*
233	**SUPREME COURTS BUILDING**	**100 d**	**Sat 11/01/20**	**Wed 20/05/20**	**71%**
234	Remove trees and redundant landscape	1 d	Sat 11/01/20	Sat 11/01/20	100%
235	Soft Strip to Internals	15 d	Mon 13/01/20	Sat 1/02/20	100%
236	Establish Drop Chute Through North Façade	2 d	Mon 3/02/20	Tue 4/02/20	100%
237	Soft Strip Materials Sent to Recycling Timber Reclaimed for Site	7 d	Wed 5/02/20	Thu 13/02/20	100%
238	Heavy Demolition to Structure	25 d	Fri 14/02/20	Sat 14/03/20	100%
239	Remove Ground Slab and Footings to New Levels Excludes SW	5 d	Mon 16/03/20	Fri 20/03/20	0%
240	Remove Concrete Capping slab to SW butress	5 d	Sat 21/03/20	Thu 26/03/20	0%
241	Remove Butress, Ground Slab and Footings to SW after piling	10 d	Fri 8/05/20	Wed 20/05/20	0%
242	*Demolition Complete*	*0 d*	*Wed 20/05/20*	*Wed 20/05/20*	*0%*
243	**HERITAGE BUILDING**	**50 d**	**Fri 14/02/20**	**Fri 17/04/20**	**45%**
244	Soft Strip to Internals	20 d	Fri 14/02/20	Sat 7/03/20	70%
245	Establish Drop Chute Through South East Façade	5 d	Tue 10/03/20	Sat 14/03/20	100%
246	Soft Strip Materials Sent to Recycling	5 d	Mon 16/03/20	Fri 20/03/20	50%
247	Demolition to Structure Include Temporary Propping	20 d	Sat 21/03/20	Fri 17/04/20	5%
248	*Demolition Complete*	*0 d*	*Fri 17/04/20*	*Fri 17/04/20*	*0%*
249	**CIVIL, PILING & RETENTION WORKS**	**257 d**	**Sat 18/01/20**	**Sat 12/12/20**	**7%**
250	**CIVIL WORKS**	**208 d**	**Sat 21/03/20**	**Sat 12/12/20**	**14%**
251	Strip 1m of fill from Admin Building Site Prep for Piling	10 d	Wed 25/03/20	Sat 4/04/20	100%
252	Create a Pile Platform 300kpa to SW Corner Approx 2500m^3	10 d	Sat 21/03/20	Wed 1/04/20	100%
253	Remove Fill After Piling/Retention Works	10 d	Fri 24/04/20	Thu 7/05/20	0%
254	Backfill and Compact Residential Building (RB) Site After Piling and Footings	5 d	Wed 13/05/20	Mon 18/05/20	0%
255	Install 900mm Diameter Civil Pipe and Pits	25 d	Mon 6/04/20	Tue 12/05/20	0%
256	Strip 1m of fill from Supreme Court Building Site Prep for Piling	5 d	Thu 21/05/20	Tue 26/05/20	0%
257	Backfill and Compact Education Building (EB) Site After Piling and Footings	5 d	Fri 12/06/20	Wed 17/06/20	0%
258	Hunter Water Water Main Upgrade Works	30 d	Thu 18/06/20	Thu 23/07/20	0%
259	FRP Eastern Driveway	20 d	Tue 17/11/20	Sat 12/12/20	0%
260	FRP Education Building Driveway	20 d	Tue 3/11/20	Thu 26/11/20	0%
261	**PILING WORKS**	**50 d**	**Thu 2/04/20**	**Thu 11/06/20**	**0%**
262	Piling to Residential Building	10 d	Mon 6/04/20	Tue 21/04/20	0%
263	Piling to Boundary SW Corner RW 3, 4 & 5	15 d	Thu 2/04/20	Thu 23/04/20	0%
264	Piling to Education Building	10 d	Wed 27/05/20	Thu 11/06/20	0%
265	**RETENTION WORKS**	**129 d**	**Sat 18/01/20**	**Sat 4/07/20**	**0%**
266	RW2 FRP Wall Question Structural Solution for this should be hit an	30 d	Sat 18/01/20	Wed 26/02/20	0%
267	RW1 FRP Wall Question Structural Solution for this should be hit an	25 d	Thu 27/02/20	Fri 27/03/20	0%
268	RW3 FRP Wall Question Structural Solution for this should be hit an	10 d	Fri 24/04/20	Thu 7/05/20	0%
269	RW4 FRP Pile Cap Including Scabble Piles	15 d	Fri 8/05/20	Tue 26/05/20	0%
270	RW5 Steel Soliers Install Pack Whalers	10 d	Wed 27/05/20	Thu 11/06/20	0%
271	RW6 Install Temp Soldier Piles and Strip Footings & Core Fill Bricky	20 d	Fri 12/06/20	Sat 4/07/20	0%
272	**STRUCTURE WORKS**	**278 d**	**Sat 18/04/20**	**Thu 29/04/21**	**0%**
273	**RESIDENTIAL BUILDING (RB)**	**275 d**	**Wed 22/04/20**	**Thu 29/04/21**	**0%**
274	FRP Footings and Tie Beams	15 d	Wed 22/04/20	Tue 12/05/20	0%
275	FRP Crane Base	7 d	Wed 13/05/20	Wed 20/05/20	0%
276	FRP Level 1 Slab On Ground	20 d	Thu 21/05/20	Wed 17/06/20	0%
277	FRP Level 1- 2 Verticals	10 d	Thu 18/06/20	Mon 29/06/20	0%
278	FRP Level 2 Suspended Slab	25 d	Tue 30/06/20	Wed 29/07/20	0%
279	FRP Level 2-3 Verticals	10 d	Thu 30/07/20	Mon 10/08/20	0%
280	FRP Level 3 Suspended Slab	20 d	Tue 11/08/20	Thu 3/09/20	0%
281	FRP Level 3-4 Verticals	10 d	Fri 4/09/20	Wed 16/09/20	0%
282	FRP Level 4 Suspended Slab	15 d	Thu 17/09/20	Wed 7/10/20	0%
283	FRP Level 4- Roof Verticals	5 d	Thu 8/10/20	Tue 13/10/20	0%
284	FRP Roof Suspended Slab	10 d	Wed 14/10/20	Sat 24/10/20	0%
285	Strip L1-2	13 d	Fri 4/09/20	Sat 19/09/20	0%



Critical Split | Non-critical | Project Summary | Critical
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Contract Programme

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ID	Task Name	Dur	Start	Finish	% Complete
286	Strip L2-3	15 d	Mon 21/09/20	Sat 10/10/20	0%
287	Strip L3-4	15 d	Mon 12/10/20	Wed 28/10/20	0%
288	Strip L4-Roof	15 d	Thu 29/10/20	Sat 14/11/20	0%
289	FRP Tower Crane Infill	15 d	Fri 9/04/21	Thu 29/04/21	0%
290	**EDUCATION BUILDING (EB)**	**117 d**	**Fri 12/06/20**	**Mon 2/11/20**	**0%**
291	FRP Footings and Tie Beams	10 d	Fri 12/06/20	Tue 23/06/20	0%
292	FRP Level 1 Slab On Ground	10 d	Wed 24/06/20	Sat 4/07/20	0%
293	FRP Level 1- 2 Verticals	10 d	Mon 6/07/20	Thu 16/07/20	0%
294	FRP Level 2 Suspended Slab	20 d	Fri 17/07/20	Mon 10/08/20	0%
295	FRP Level 2-3 Verticals	10 d	Tue 11/08/20	Sat 22/08/20	0%
296	FRP Level 3 Suspended Slab	15 d	Mon 24/08/20	Wed 9/09/20	0%
297	FRP Level 3-4 Verticals	10 d	Thu 10/09/20	Tue 22/09/20	0%
298	FRP Level 4 Suspended Slab	15 d	Wed 23/09/20	Tue 13/10/20	0%
299	FRP Level 4- Roof Verticals	5 d	Wed 14/10/20	Mon 19/10/20	0%
300	FRP Roof Suspended Slab	10 d	Tue 20/10/20	Fri 30/10/20	0%
301	Strip L1-2	10 d	Thu 10/09/20	Tue 22/09/20	0%
302	Strip L2-3	7 d	Wed 23/09/20	Wed 30/09/20	0%
303	Strip L3-4	7 d	Tue 20/10/20	Tue 27/10/20	0%
304	Strip L4-Roof	5 d	Wed 28/10/20	Mon 2/11/20	0%
305	*Structure Complete Traditional Topping Off Ceremony*	*0 d*	*Fri 30/10/20*	*Fri 30/10/20*	*0%*
306	**HERITAGE BUILDING (HB)**	**110 d**	**Sat 18/04/20**	**Thu 3/09/20**	**0%**
307	FRP Rain Water Harvet Tank	20 d	Mon 6/07/20	Wed 29/07/20	0%
308	FRP Level 1 Stairs and Connections	20 d	Tue 11/08/20	Thu 3/09/20	0%
309	FRP Steel Platform Footings	20 d	Mon 6/07/20	Wed 29/07/20	0%
310	Structural Repairs to Heritage Building	50 d	Sat 18/04/20	Tue 23/06/20	0%
311	**STEEL PLATFORM / LINK BRIDGE**	**80 d**	**Mon 13/07/20**	**Tue 20/10/20**	**0%**
312	Link Bridge Shop Draw	20 d	Mon 13/07/20	Wed 5/08/20	0%
313	Link Bridge Footings RLs Confirmed	1 d	Thu 30/07/20	Thu 30/07/20	0%
314	Link Bridge Finalise Drawings	15 d	Fri 31/07/20	Tue 18/08/20	0%
315	Link Bridge Fabricate	40 d	Wed 19/08/20	Thu 8/10/20	0%
316	Link Bridge Erect/Install	10 d	Fri 9/10/20	Tue 20/10/20	0%
317	**FAÇADE**	**112 d**	**Mon 21/09/20**	**Mon 1/03/21**	**0%**
318	**FAÇADE RESIDENTIAL BUILDING**	**100 d**	**Mon 21/09/20**	**Sat 13/02/21**	**0%**
319	L1-2 Install Shop Fronts and Façade	20 d	Mon 21/09/20	Fri 16/10/20	0%
320	L2-3 Install Façade	20 d	Sat 17/10/20	Mon 9/11/20	0%
321	L3-4 Install Façade	20 d	Tue 10/11/20	Thu 3/12/20	0%
322	L4-Roof Façade Install	10 d	Fri 4/12/20	Fri 18/12/20	0%
323	Paint External All Levels	20 d	Sat 19/12/20	Tue 2/02/21	0%
324	Timber Feature Fins Install	10 d	Wed 3/02/21	Sat 13/02/21	0%
325	Void Curtain Wall Steelwork Install	10 d	Tue 17/11/20	Fri 27/11/20	0%
326	Void Curtain Wall Glazing Install	10 d	Sat 28/11/20	Sat 12/12/20	0%
327	**FAÇADE EDUCATIONAL BUILDING**	**105 d**	**Wed 23/09/20**	**Tue 23/02/21**	**0%**
328	L1-2 Install Shop Fronts and Façade	20 d	Wed 23/09/20	Mon 19/10/20	0%
329	L2-3 Install Façade	20 d	Tue 20/10/20	Wed 11/11/20	0%
330	L3-4 Install Façade	20 d	Thu 12/11/20	Wed 9/12/20	0%
331	L4-Roof Façade Install	20 d	Thu 10/12/20	Wed 20/01/21	0%
332	Paint External All Levels	15 d	Thu 21/01/21	Wed 10/02/21	0%
333	Timber Feature Fins Install	10 d	Thu 11/02/21	Tue 23/02/21	0%
334	Void Curtain Wall Steelwork Install	10 d	Tue 3/11/20	Fri 13/11/20	0%
335	Void Curtain Wall Glazing Install	10 d	Sat 14/11/20	Thu 26/11/20	0%
336	**FAÇADE HERITAGE / PUBLIC BUILDING**	**80 d**	**Sat 31/10/20**	**Mon 1/03/21**	**0%**
337	Paint and Repairs Northern Face	20 d	Sat 31/10/20	Tue 24/11/20	0%
338	Paint and Repairs Eastern Face	20 d	Wed 25/11/20	Mon 21/12/20	0%
339	Paint and Repairs Western Face	20 d	Tue 22/12/20	Thu 4/02/21	0%
340	Paint and Repairs Southern Face	20 d	Fri 5/02/21	Mon 1/03/21	0%
341	**CONNECTION CANOPIES**	**40 d**	**Tue 22/12/20**	**Mon 1/03/21**	**0%**
342	Install Heritage - Residential Building Connection Canopy	20 d	Tue 22/12/20	Thu 4/02/21	0%
343	Install Heritage - Educational Building Connection Canopy	20 d	Fri 5/02/21	Mon 1/03/21	0%



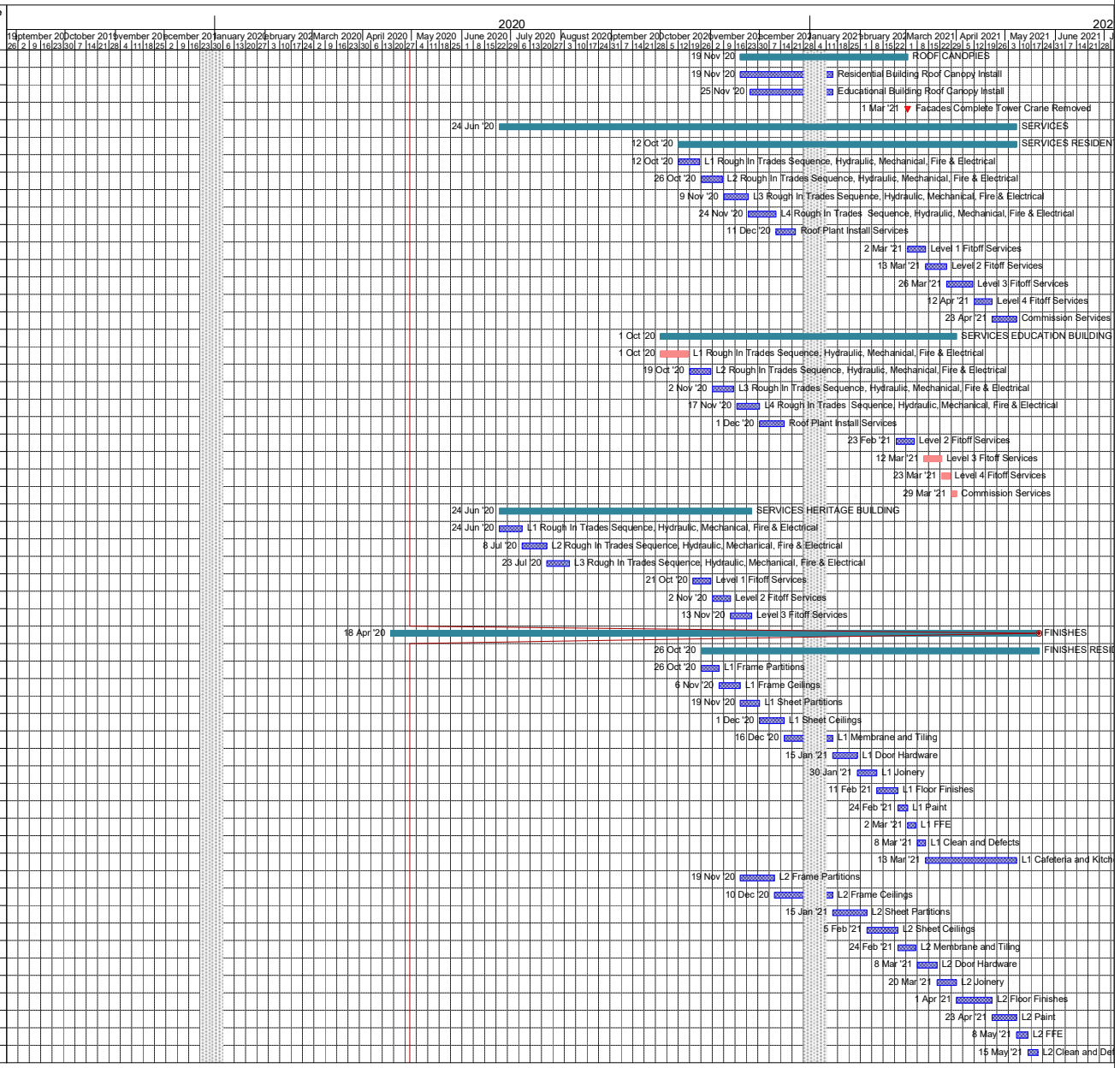
Critical Split — Non-critical — Project Summary — Critical
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9 CHURCH STREET NEWCASTLE 2300
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ID	Task Name	Dur	Start	Finish	% Complete
344	**ROOF CANOPIES**	**65 d**	**Thu 19/11/20**	**Mon 1/03/21**	**0%**
345	Residential Building Roof Canopy Install	30 d	Thu 19/11/20	Thu 14/01/21	0%
346	Educational Building Roof Canopy Install	25 d	Wed 25/11/20	Thu 14/01/21	0%
347	Facades Complete Tower Crane Removed	0 d	Mon 1/03/21	Mon 1/03/21	0%
348	**SERVICES**	**235 d**	**Wed 24/06/20**	**Fri 7/05/21**	**0%**
349	**SERVICES RESIDENTIAL BUILDING**	**147 d**	**Mon 12/10/20**	**Fri 7/05/21**	**0%**
350	L1 Rough In Trades Sequence, Hydraulic, Mechanical, Fire & Electri	12 d	Mon 12/10/20	Sat 24/10/20	0%
351	L2 Rough In Trades Sequence, Hydraulic, Mechanical, Fire & Electri	12 d	Mon 26/10/20	Sat 7/11/20	0%
352	L3 Rough In Trades Sequence, Hydraulic, Mechanical, Fire & Electri	12 d	Mon 9/11/20	Mon 23/11/20	0%
353	L4 Rough In Trades Sequence, Hydraulic, Mechanical, Fire & Electri	12 d	Tue 24/11/20	Thu 10/12/20	0%
354	Roof Plant Install Services	10 d	Fri 11/12/20	Tue 22/12/20	0%
355	Level 1 Fitoff Services	10 d	Tue 2/03/21	Fri 12/03/21	0%
356	Level 2 Fitoff Services	10 d	Sat 13/03/21	Thu 25/03/21	0%
357	Level 3 Fitoff Services	10 d	Fri 26/03/21	Sat 10/04/21	0%
358	Level 4 Fitoff Services	10 d	Mon 12/04/21	Thu 22/04/21	0%
359	Commission Services	10 d	Fri 23/04/21	Fri 7/05/21	0%
360	**SERVICES EDUCATION BUILDING**	**128 d**	**Thu 1/10/20**	**Wed 31/03/21**	**0%**
361	L1 Rough In Trades Sequence, Hydraulic, Mechanical, Fire & Electri	12 d	Thu 1/10/20	Sat 17/10/20	0%
362	L2 Rough In Trades Sequence, Hydraulic, Mechanical, Fire & Electri	12 d	Mon 19/10/20	Sat 31/10/20	0%
363	L3 Rough In Trades Sequence, Hydraulic, Mechanical, Fire & Electri	12 d	Mon 2/11/20	Sat 14/11/20	0%
364	L4 Rough In Trades Sequence, Hydraulic, Mechanical, Fire & Electri	12 d	Tue 17/11/20	Mon 30/11/20	0%
365	Roof Plant Install Services	10 d	Tue 1/12/20	Tue 15/12/20	0%
366	Level 2 Fitoff Services	10 d	Tue 23/02/21	Fri 5/03/21	0%
367	Level 3 Fitoff Services	8 d	Fri 12/03/21	Mon 22/03/21	0%
368	Level 4 Fitoff Services	5 d	Tue 23/03/21	Sat 27/03/21	0%
369	Commission Services	3 d	Mon 29/03/21	Wed 31/03/21	0%
370	**SERVICES HERITAGE BUILDING**	**126 d**	**Wed 24/06/20**	**Wed 25/11/20**	**0%**
371	L1 Rough In Trades Sequence, Hydraulic, Mechanical, Fire & Electri	12 d	Wed 24/06/20	Tue 7/07/20	0%
372	L2 Rough In Trades Sequence, Hydraulic, Mechanical, Fire & Electri	12 d	Wed 8/07/20	Wed 22/07/20	0%
373	L3 Rough In Trades Sequence, Hydraulic, Mechanical, Fire & Electri	12 d	Thu 23/07/20	Wed 5/08/20	0%
374	Level 1 Fitoff Services	10 d	Wed 21/10/20	Sat 31/10/20	0%
375	Level 2 Fitoff Services	10 d	Mon 2/11/20	Thu 12/11/20	0%
376	Level 3 Fitoff Services	10 d	Fri 13/11/20	Wed 25/11/20	0%
377	**FINISHES**	**296 d**	**Sat 18/04/20**	**Fri 21/05/21**	**0%**
378	**FINISHES RESIDENTIAL BUILDING STUDENT ACCOMMO**	**146 d**	**Mon 26/10/20**	**Fri 21/05/21**	**0%**
379	L1 Frame Partitions	10 d	Mon 26/10/20	Thu 5/11/20	0%
380	L1 Frame Ceilings	10 d	Fri 6/11/20	Wed 18/11/20	0%
381	L1 Sheet Partitions	10 d	Thu 19/11/20	Mon 30/11/20	0%
382	L1 Sheet Ceilings	10 d	Tue 1/12/20	Tue 15/12/20	0%
383	L1 Membrane and Tiling	10 d	Wed 16/12/20	Thu 14/01/21	0%
384	L1 Door Hardware	10 d	Fri 15/01/21	Fri 29/01/21	0%
385	L1 Joinery	10 d	Sat 30/01/21	Wed 10/02/21	0%
386	L1 Floor Finishes	10 d	Thu 11/02/21	Tue 23/02/21	0%
387	L1 Paint	5 d	Wed 24/02/21	Mon 1/03/21	0%
388	L1 FFE	5 d	Tue 2/03/21	Sat 6/03/21	0%
389	L1 Clean and Defects	5 d	Mon 8/03/21	Fri 12/03/21	0%
390	L1 Cafeteria and Kitchen Fitout	40 d	Sat 13/03/21	Fri 7/05/21	0%
391	L2 Frame Partitions	15 d	Thu 19/11/20	Wed 9/12/20	0%
392	L2 Frame Ceilings	15 d	Thu 10/12/20	Thu 14/01/21	0%
393	L2 Sheet Partitions	15 d	Fri 15/01/21	Thu 4/02/21	0%
394	L2 Sheet Ceilings	15 d	Fri 5/02/21	Tue 23/02/21	0%
395	L2 Membrane and Tiling	10 d	Wed 24/02/21	Sat 6/03/21	0%
396	L2 Door Hardware	10 d	Mon 8/03/21	Fri 19/03/21	0%
397	L2 Joinery	10 d	Sat 20/03/21	Wed 31/03/21	0%
398	L2 Floor Finishes	15 d	Thu 1/04/21	Thu 22/04/21	0%
399	L2 Paint	10 d	Fri 23/04/21	Fri 7/05/21	0%
400	L2 FFE	5 d	Sat 8/05/21	Fri 14/05/21	0%
401	L2 Clean and Defects	5 d	Sat 15/05/21	Thu 20/05/21	0%



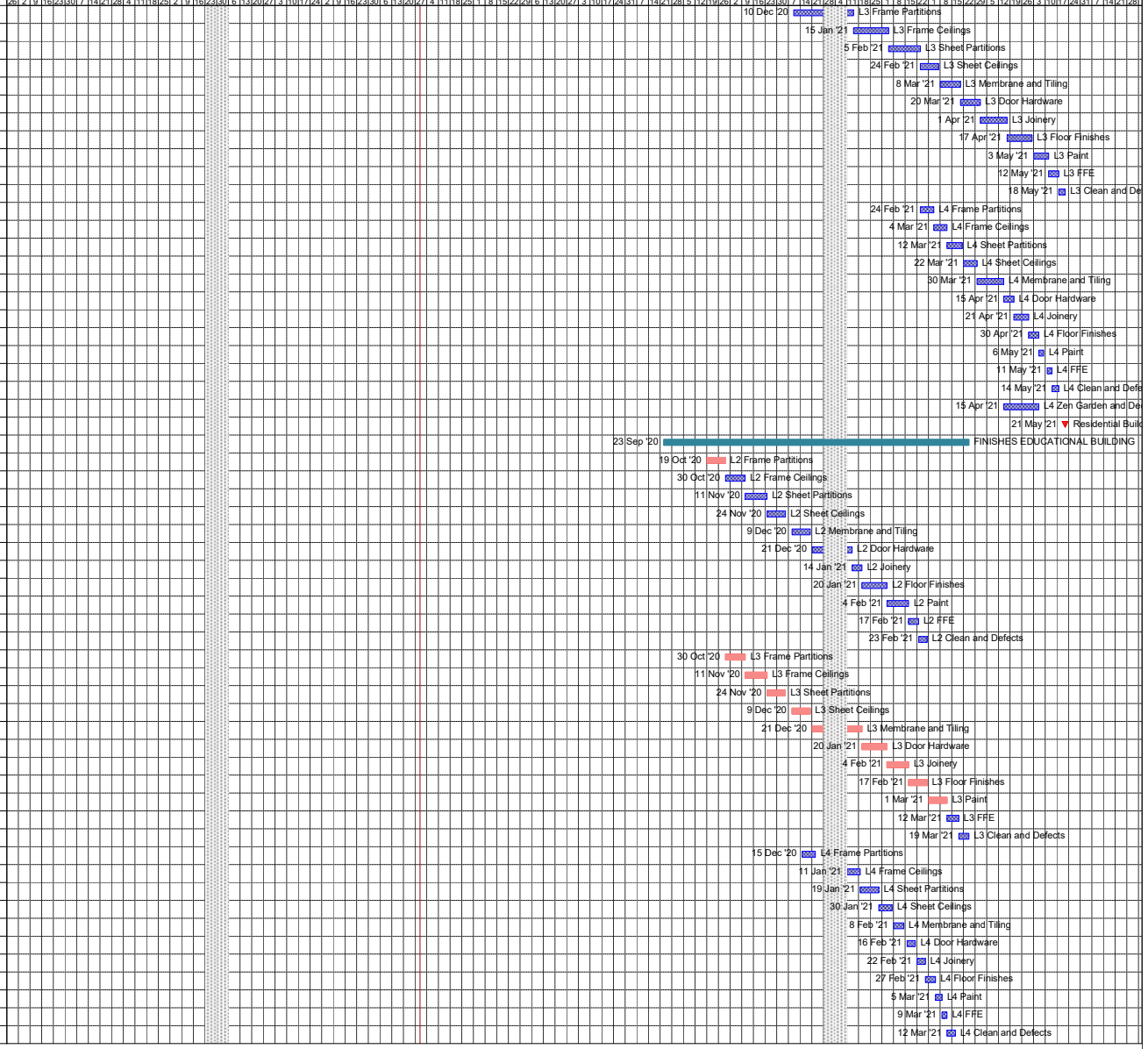
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9 CHURCH STREET NEWCASTLE 2300
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ID	Task Name	Dur	Start	Finish	% Complete
402	L3 Frame Partitions	15 d	Thu 10/12/20	Thu 14/01/21	0%
403	L3 Frame Ceilings	15 d	Fri 15/01/21	Thu 4/02/21	0%
404	L3 Sheet Partitions	15 d	Fri 5/02/21	Tue 23/02/21	0%
405	L3 Sheet Ceilings	10 d	Wed 24/02/21	Sat 6/03/21	0%
406	L3 Membrane and Tiling	10 d	Mon 8/03/21	Fri 19/03/21	0%
407	L3 Door Hardware	10 d	Sat 20/03/21	Wed 31/03/21	0%
408	L3 Joinery	10 d	Thu 1/04/21	Fri 16/04/21	0%
409	L3 Floor Finishes	10 d	Sat 17/04/21	Sat 1/05/21	0%
410	L3 Paint	7 d	Mon 3/05/21	Tue 11/05/21	0%
411	L3 FFE	5 d	Wed 12/05/21	Mon 17/05/21	0%
412	L3 Clean and Defects	4 d	Tue 18/05/21	Fri 21/05/21	0%
413	L4 Frame Partitions	7 d	Wed 24/02/21	Wed 3/03/21	0%
414	L4 Frame Ceilings	7 d	Thu 4/03/21	Thu 11/03/21	0%
415	L4 Sheet Partitions	7 d	Fri 12/03/21	Sat 20/03/21	0%
416	L4 Sheet Ceilings	7 d	Mon 22/03/21	Mon 29/03/21	0%
417	L4 Membrane and Tiling	10 d	Tue 30/03/21	Wed 14/04/21	0%
418	L4 Door Hardware	5 d	Thu 15/04/21	Tue 20/04/21	0%
419	L4 Joinery	5 d	Wed 21/04/21	Thu 29/04/21	0%
420	L4 Floor Finishes	5 d	Fri 30/04/21	Wed 5/05/21	0%
421	L4 Paint	3 d	Thu 6/05/21	Sat 8/05/21	0%
422	L4 FFE	3 d	Tue 11/05/21	Thu 13/05/21	0%
423	L4 Clean and Defects	3 d	Fri 14/05/21	Mon 17/05/21	0%
424	L4 Zen Garden and Decking	15 d	Thu 15/04/21	Wed 5/05/21	0%
425	*Residential Building Finishes Complete*	*0 d*	*Fri 21/05/21*	*Fri 21/05/21*	*0%*
426	**FINISHES EDUCATIONAL BUILDING**	**129 d**	**Wed 23/09/20**	**Wed 24/03/21**	**0%**
427	L2 Frame Partitions	10 d	Mon 19/10/20	Thu 29/10/20	0%
428	L2 Frame Ceilings	10 d	Fri 30/10/20	Tue 10/11/20	0%
429	L2 Sheet Partitions	10 d	Wed 11/11/20	Mon 23/11/20	0%
430	L2 Sheet Ceilings	10 d	Tue 24/11/20	Fri 4/12/20	0%
431	L2 Membrane and Tiling	10 d	Wed 9/12/20	Sat 19/12/20	0%
432	L2 Door Hardware	5 d	Mon 21/12/20	Wed 13/01/21	0%
433	L2 Joinery	5 d	Thu 14/01/21	Tue 19/01/21	0%
434	L2 Floor Finishes	10 d	Wed 20/01/21	Wed 3/02/21	0%
435	L2 Paint	10 d	Thu 4/02/21	Tue 16/02/21	0%
436	L2 FFE	5 d	Wed 17/02/21	Mon 22/02/21	0%
437	L2 Clean and Defects	5 d	Tue 23/02/21	Sat 27/02/21	0%
438	L3 Frame Partitions	10 d	Fri 30/10/20	Tue 10/11/20	0%
439	L3 Frame Ceilings	10 d	Wed 11/11/20	Mon 23/11/20	0%
440	L3 Sheet Partitions	10 d	Tue 24/11/20	Fri 4/12/20	0%
441	L3 Sheet Ceilings	10 d	Wed 9/12/20	Sat 19/12/20	0%
442	L3 Membrane and Tiling	10 d	Mon 21/12/20	Tue 19/01/21	0%
443	L3 Door Hardware	10 d	Wed 20/01/21	Wed 3/02/21	0%
444	L3 Joinery	10 d	Thu 4/02/21	Tue 16/02/21	0%
445	L3 Floor Finishes	10 d	Wed 17/02/21	Sat 27/02/21	0%
446	L3 Paint	10 d	Mon 1/03/21	Thu 11/03/21	0%
447	L3 FFE	5 d	Fri 12/03/21	Thu 18/03/21	0%
448	L3 Clean and Defects	5 d	Fri 19/03/21	Wed 24/03/21	0%
449	L4 Frame Partitions	7 d	Tue 15/12/20	Tue 22/12/20	0%
450	L4 Frame Ceilings	7 d	Mon 11/01/21	Mon 18/01/21	0%
451	L4 Sheet Partitions	7 d	Tue 19/01/21	Fri 29/01/21	0%
452	L4 Sheet Ceilings	7 d	Sat 30/01/21	Sat 6/02/21	0%
453	L4 Membrane and Tiling	6 d	Mon 8/02/21	Sat 13/02/21	0%
454	L4 Door Hardware	5 d	Tue 16/02/21	Sat 20/02/21	0%
455	L4 Joinery	5 d	Mon 22/02/21	Fri 26/02/21	0%
456	L4 Floor Finishes	5 d	Sat 27/02/21	Thu 4/03/21	0%
457	L4 Paint	3 d	Fri 5/03/21	Mon 8/03/21	0%
458	L4 FFE	3 d	Tue 9/03/21	Thu 11/03/21	0%
459	L4 Clean and Defects	3 d	Fri 12/03/21	Tue 16/03/21	0%



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ID	Task Name	Dur	Start	Finish	% Complete
460	L4 Zen Garden and Decking	20 d	Tue 16/02/21	Wed 10/03/21	0%
461	L1 Build Main Switch Room	20 d	Wed 23/09/20	Mon 19/10/20	0%
462	L1 Electrical Main Switch Boards Install	20 d	Tue 20/10/20	Wed 11/11/20	0%
463	*Permanent Power Available to Site*	*0 d*	*Wed 11/11/20*	*Wed 11/11/20*	*0%*
464	L1 Carpark Finishes	20 d	Mon 1/03/21	Wed 24/03/21	0%
465	*Education Building Finishes Complete*	*0 d*	*Wed 24/03/21*	*Wed 24/03/21*	*0%*
466	**FINISHES HERITAGE PUBLIC BUILDING**	**240 d**	**Sat 18/04/20**	**Sat 6/03/21**	**0%**
467	L1 Subfloor cells and new entrance Fitout	60 d	Sat 18/04/20	Sat 4/07/20	0%
468	L2 Lecture Hall Lounge and Café	60 d	Mon 6/07/20	Wed 16/09/20	0%
469	L2 Library Amenities Multipurpose Hall (After Site Amenities Remov	60 d	Thu 17/09/20	Mon 30/11/20	0%
470	L3 Gallery and Staff Rooms Fitout	30 d	Tue 1/12/20	Fri 29/01/21	0%
471	L4 Roof Terrace and Atechamber Fitout	30 d	Sat 30/01/21	Sat 6/03/21	0%
472	*Heritage Building Finishes Complete*	*0 d*	*Sat 6/03/21*	*Sat 6/03/21*	*0%*
473	**LANDSCAPE AND CHURCH STREET WORKS**	**128 d**	**Tue 17/11/20**	**Fri 21/05/21**	**0%**
474	**CHURCH STREET FOOTPATH & ENTRY WORKS**	**72 d**	**Wed 17/02/21**	**Fri 21/05/21**	**0%**
475	Paving Stage 1 HB	30 d	Mon 8/03/21	Fri 16/04/21	0%
476	Paving Stage 2 RB	30 d	Tue 13/04/21	Fri 21/05/21	0%
477	Paving Stage 3 EB	30 d	Wed 17/02/21	Wed 24/03/21	0%
478	**LANDSCAPING**	**80 d**	**Tue 17/11/20**	**Wed 17/03/21**	**0%**
479	Lanscape and Planting to Southern Bounday	30 d	Tue 17/11/20	Tue 12/01/21	0%
480	Landscape and Planting to Western Boundary	10 d	Wed 13/01/21	Wed 27/01/21	0%
481	Lansdscape and Planting Northern	20 d	Thu 28/01/21	Sat 20/02/21	0%
482	Zen Gardens Planting and Stone Work	20 d	Mon 22/02/21	Wed 17/03/21	0%
483	**VERTICAL TRANSPORTATION**	**106 d**	**Tue 3/11/20**	**Thu 8/04/21**	**0%**
484	**LIFTS 1&2 RESIDENTIAL MRLS (Serving L1 to L4)**	**95 d**	**Tue 17/11/20**	**Thu 8/04/21**	**0%**
485	Lift Pit & Shaft works	30 d	Tue 17/11/20	Tue 12/01/21	0%
486	Complete MRL Installation	20 d	Wed 13/01/21	Mon 8/02/21	0%
487	Protect Lifts for Use by Built	40 d	Tue 9/02/21	Mon 29/03/21	0%
488	Lifts Cars Finished for Nihon Use	5 d	Tue 30/03/21	Thu 8/04/21	0%
489	**LIFT 3 EDUCATIONAL MRLS (Serving L1 to L4)**	**105 d**	**Tue 3/11/20**	**Wed 7/04/21**	**0%**
490	Lift Pit & Shaft works	30 d	Tue 3/11/20	Fri 11/12/20	0%
491	Complete MRL Installation	30 d	Sat 12/12/20	Sat 6/02/21	0%
492	Protect Lift for Use by Built	40 d	Mon 8/02/21	Sat 27/03/21	0%
493	Lifts Car Finished for Nihon Use	5 d	Mon 29/03/21	Wed 7/04/21	0%
494	**QUALITY AND HANDOVER PLANNING**	**44 d**	**Thu 1/04/21**	**Mon 31/05/21**	**0%**
495	**ALL BUILDINGS**	**17 d**	**Thu 1/04/21**	**Wed 28/04/21**	**0%**
496	Certifier Pre Inspect Buildings	2 d	Thu 1/04/21	Wed 7/04/21	0%
497	Built Complete Final Defect List	3 d	Thu 8/04/21	Sat 10/04/21	0%
498	Defects Actions	3 d	Mon 12/04/21	Wed 14/04/21	0%
499	Consultants Complete Defect List	3 d	Thu 15/04/21	Sat 17/04/21	0%
500	Defects Actioned	3 d	Mon 19/04/21	Wed 21/04/21	0%
501	Fire Brigade Inspect & Life Safety Measures In Place	1 d	Thu 22/04/21	Thu 22/04/21	0%
502	Certifier Final Inspection	1 d	Fri 23/04/21	Fri 23/04/21	0%
503	Items Actioned	1 d	Wed 28/04/21	Wed 28/04/21	0%
504	*Occupation Certificate Issued*	*0 d*	*Wed 28/04/21*	*Wed 28/04/21*	*0%*
505	*DWP Issue Practical Completion*	*0 d*	*Wed 28/04/21*	*Wed 28/04/21*	*0%*
506	**DELAY ALLOWANCE**	**28 d**	**Wed 28/04/21**	**Mon 31/05/21**	**0%**
507	**OVERALL DELAY ALLOWANCE**	**28 d**	**Wed 28/04/21**	**Mon 31/05/21**	**0%**
508	Built Project Delay Allowance	28 d	Wed 28/04/21	Mon 31/05/21	0%
509	*Built Project Complete*	*0 d*	*Mon 31/05/21*	*Mon 31/05/21*	*0%*



Critical Split — Non-critical — Project Summary — Critical
Critical Task — Milestone — Summary

Appendix E – Four Week Programme

Prepared By: RMc
Checked:
Revision : Rev 3 Target

Built NIHON UNIVERSITY
9 CHURCH STREET NEWCASTLE 2300
Construction Programme

ID	Task Name	Dur	Start	Finish	% Complete
0	**NIHON UNIVERSITY NEWCASTLE NSW AUSTRALIA**	**481 d**	**Wed 18/09/19**	**Sat 19/06/21**	**25%**
1	**KEY PROJECT MILESTONES**	**451 d**	**Mon 21/10/19**	**Sat 19/06/21**	**99%**
9	*CC#1 for Substructure, Civil & Inground Services Approved*	*0 d*	*Fri 17/04/20*	*Fri 17/04/20*	*100%*
10	*CC#2 for Superstructure, Façade, Finishes & Services Approved*	*0 d*	*Tue 28/04/20*	*Tue 28/04/20*	*0%*
11	*CC#3 for External Works & Landscaping*	*0 d*	*Thu 21/05/20*	*Thu 21/05/20*	*0%*
31	**DESIGN, AUTHORITIES, & PROCUREMENT**	**318 d**	**Mon 21/10/19**	**Thu 3/12/20**	**65%**
190	**SITE ESTABLISHMENT, CRANES, HOISTS ETC**	**425 d**	**Tue 29/10/19**	**Thu 20/05/21**	**20%**
222	**CONSTRUCTION WORKS**	**481 d**	**Wed 18/09/19**	**Sat 19/06/21**	**5%**
224	**DEMOLITION WORKS**	**123 d**	**Tue 21/01/20**	**Fri 26/06/20**	**76%**
233	**SUPREME COURTS BUILDING**	**119 d**	**Wed 29/01/20**	**Fri 26/06/20**	**86%**
242	**HERITAGE BUILDING**	**53.75 d**	**Thu 19/03/20**	**Wed 27/05/20**	**47%**
243	Soft Strip to Internals	23.75 d	Thu 19/03/20	Mon 20/04/20	70%
244	Establish Drop Chute Through South East Façade	5 d	Mon 20/04/20	Tue 28/04/20	100%
245	Soft Strip Materials Sent to Recycling	5 d	Tue 28/04/20	Mon 4/05/20	50%
246	Demolition to Structure Include Temporary Propping	20 d	Mon 4/05/20	Wed 27/05/20	5%
247	*Demolition Complete*	*0 d*	*Wed 27/05/20*	*Wed 27/05/20*	*0%*
248	**CIVIL, PILING & RETENTION WORKS**	**118 d**	**Mon 9/03/20**	**Tue 4/08/20**	**18%**
249	**CIVIL WORKS**	**110 d**	**Mon 9/03/20**	**Sat 25/07/20**	**22%**
250	**Residential Building**	**59 d**	**Mon 9/03/20**	**Fri 22/05/20**	**55%**
251	Create a Pile Platform 300kpa to Residential Bldg	25 d	Mon 9/03/20	Mon 6/04/20	100%
252	Dudley Seam Mines Grouting	23 d	Tue 7/04/20	Sat 9/05/20	25%
253	Trim & Recompact Piling Platform	2 d	Mon 11/05/20	Tue 12/05/20	0%
254	FRP Capping Beam	6 d	Sat 16/05/20	Fri 22/05/20	0%
255	**Education Building**	**81 d**	**Thu 16/04/20**	**Sat 25/07/20**	**8%**
256	Create a Pile Platform 300kpa & 1:25 ramp to SW Corner	5 d	Thu 16/04/20	Tue 21/04/20	100%
257	FRP Capping Beam	6 d	Mon 11/05/20	Sat 16/05/20	0%
258	Bench Down and Create Platform for Anchoring	4 d	Mon 18/05/20	Thu 21/05/20	0%
259	Install 38# Ground Anchors (5# p/day)_SW corner	12 d	Fri 22/05/20	Thu 4/06/20	0%
260	Stressing of Anchors	2 d	Wed 10/06/20	Thu 11/06/20	0%
261	Shotcreting	6 d	Wed 3/06/20	Sat 13/06/20	0%

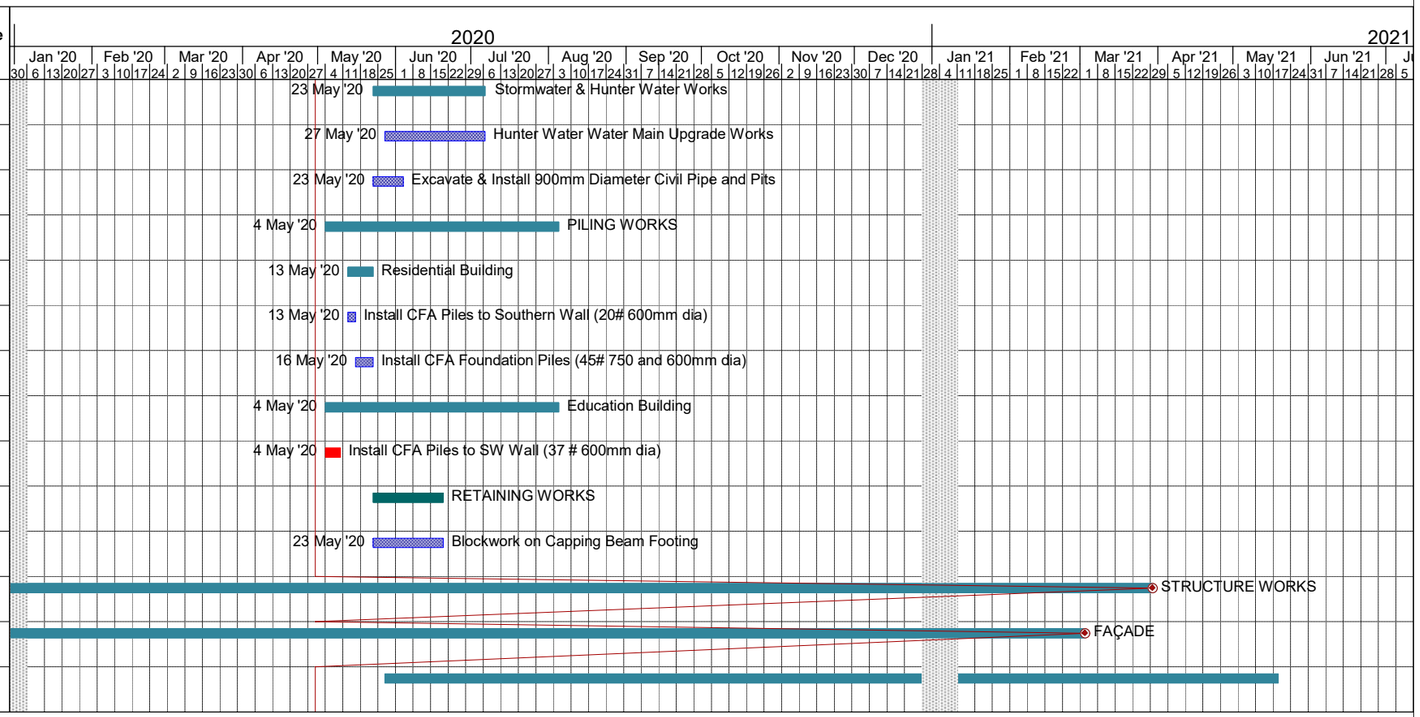


Critical Task | Non-critical | Milestone | Project Summary | Summary

Prepared By: RMc
Checked:
Revision : Rev 3 Target

Built NIHON UNIVERSITY
9 CHURCH STREET NEWCASTLE 2300
Construction Programme

ID	Task Name	Dur	Start	Finish	% Complete
266	**Stormwater & Hunter Water Works**	**33.75 d**	**Sat 23/05/20**	**Mon 6/07/20**	**0%**
267	Hunter Water Water Main Upgrade Works	30 d	Wed 27/05/20	Mon 6/07/20	0%
268	Excavate & Install 900mm Diameter Civil Pipe and Pits	10 d	Sat 23/05/20	Wed 3/06/20	0%
269	**PILING WORKS**	**76 d**	**Mon 4/05/20**	**Tue 4/08/20**	**0%**
270	**Residential Building**	**9 d**	**Wed 13/05/20**	**Fri 22/05/20**	**0%**
271	Install CFA Piles to Southern Wall (20# 600mm dia)	3 d	Wed 13/05/20	Fri 15/05/20	0%
272	Install CFA Foundation Piles (45# 750 and 600mm dia)	6 d	Sat 16/05/20	Fri 22/05/20	0%
273	**Education Building**	**76 d**	**Mon 4/05/20**	**Tue 4/08/20**	**0%**
274	Install CFA Piles to SW Wall (37 # 600mm dia)	6 d	Mon 4/05/20	Sat 9/05/20	0%
276	**RETAINING WORKS**	**20 d**	**Sat 23/05/20**	**Fri 19/06/20**	**0%**
277	Blockwork on Capping Beam Footing	20 d	Sat 23/05/20	Fri 19/06/20	0%
278	**STRUCTURE WORKS**	**420 d**	**Wed 18/09/19**	**Mon 29/03/21**	**0%**
403	**FAÇADE**	**397 d**	**Wed 18/09/19**	**Tue 2/03/21**	**0%**
471	**FINISHES**	**269.25 d**	**Wed 27/05/20**	**Tue 18/05/21**	**0%**



Critical Task | Non-critical | Milestone | Project Summary | Summary

Appendix F – Green Star Pathway Status

Green Star - Design & As Built Scorecard v 1.2

4 Star Pathway

Date:	Friday, 24 April 2020
Targeted Rating:	4 Star - Best Practice
PROJECT:	Nihon University

Points Available		4 Star Pathway	Design Achieved	As-Built Points
97		53.5	29.5	

CATEGORY / CREDIT	AIM OF THE CREDIT / SELECTION	CODE	CREDIT CRITERIA	Available	Target 4 Star	Actual	Support Documentation Received	Dated Provided	Status	Dated Approved
Management							Y/N			
Green Star Accredited Professional	To recognise the appointment and active involvement of a Green Star Accredited Professional in order to ensure that the rating tool is applied effectively and as intended.	1.0	Accredited Professional	1	1	1	YES	02.04.20	APPROVED	02.04.20
Commissioning and Tuning	To encourage and recognise commissioning, handover and tuning initiatives that ensure all building services operate to their full potential.	2.0	Environmental Performance Targets	-	Complies	0				
		2.1	Services and Maintainability Review	1	1	1	YES	21.04.20	APPROVED - Review meetings to be scheduled ASAP	23.04.2020
Building Information	To recognise the development and provision of building information that facilitates understanding of a building's systems, operation and maintenance requirements, and environmental targets to enable optimised performance.	4.1	Building Information	1	1	1	YES	21.04.20	APPROVED	24.04.20
Responsible Construction Practices	To reward projects that use best practice formal environmental management procedures during construction.	7.0	Environmental Management Plan	-	Complies	0	YES	02.04.20	APPROVED	02.04.20
		7.1	Formalised Environmental Management System	1	1	1	YES	02.04.20	APPROVED	02.04.20
		7.2	High Quality Staff Support	1	1				Submission 24.04.20	
Operational Waste	Prescriptive pathway	8B	Prescriptive Pathway - Facilities	1	1	1	YES	06.04.20	APPROVED	07.04.20
Indoor Environment Quality										
		9.1	Ventilation System Attributes	1	0					
		9.2	Provision of Outdoor Air	1	0					
Indoor Air Quality	To recognise projects that provide high air quality to occupants.	9.3	Exhaust or Elimination of Pollutants	1	1	1	YES	06.04.20	APPROVED	07.04.20
Lighting Comfort	To encourage and recognise well-lit spaces that provide a high degree of comfort to users.	11.0	Minimum Lighting Comfort	-	complies	0	YES	03.04.20	APPROVED	07.04.20
		11.1	General Illuminance and Glare Reduction	1	1	1	YES	21.04.20	Further information required	
		11.3	Localised Lighting Control	1	1	1	YES	03.04.20	APPROVED	07.04.20
Visual Comfort	To recognise the delivery of well-lit spaces that provide high levels of visual comfort to building occupants.	12.0	Glare Reduction	-	complies	0	YES	21.04.20	SUBMITTED	
		12.2	Views	1	1	1	YES	14.04.20	APPROVED	15.04.20
Indoor Pollutants	To recognise projects that safeguard occupant health through the reduction in internal air pollutant levels.	13.1	Paints, Adhesives, Sealants and Carpets	1	1	1	YES	21.04.20	APPROVED - Some items on finishes schedule do not meet Greenstar requiremets - they have been identified and we are working towards obtaining information or alternatives to ensure compliance - Porters Paint for sealer to be	24.04.20
		13.2	Engineered Wood Products	1	1				Issues with this credit - currently reviewing product verification data sheets	
Energy										
Greenhouse Gas Emissions	Modelled Performance Pathway	15E.0	Conditional Requirement: Reference Building Pathway	-	complies	0	YES	03.04.20	APPROVED	07.04.20
		15E.1	Comparison to a Reference Building Pathway	20	5.5	5.5	YES	03.04.20	APPROVED	07.04.20
Peak Electricity Demand Reduction	Performance Pathway	16B	Performance Pathway - Reference Building	2	2	2	YES	03.04.20	APPROVED	07.04.20
Transport										
Sustainable Transport	Performance Pathway	17B	Prescriptive Pathway - Facilities	7	7	7	YES	07.04.20	Further response has been provided for review	
Water										
Potable Water	Performance Pathway	18B	Potable Water - Prescriptive Pathway	12	6	6	YES	03.04.20	Further documentation provided - Updated FFE schedule provided. Wels Certification for some item. Washing Machine information - obtaining Wels Certificate	15.04.20
Materials										
Life Cycle Impacts	Prescriptive Pathway - Life Cycle Impacts	19B.1	Life Cycle Impacts- Concrete	3	2	2	YES	21.04.20	APPROVED	24.04.20
		19B.2	Life Cycle Impacts- Steel	2	1				Pending certificates from Northrop	
		19B.3	Life Cycle Impacts- Building Re-Use	2	1				Submitting 27.04.20	
		20.1	Structural and Reinforcing Steel	1	1				Pending certificates from Northrop	
		20.3	Permanent Formwork, Pipes, Flooring, Blinds and Cables	1	1	1	YES	14.04.20	APPROVED	15.04.20

Green Star - Design & As Built Scorecard v 1.2

4 Star Pathway

Date:	Friday, 24 April 2020
Targeted Rating:	4 Star - Best Practice
PROJECT:	Nihon University

Points Available		4 Star Pathway	Design Achieved	As-Built Points
97		53.5	29.5	

CATEGORY / CREDIT	AIM OF THE CREDIT / SELECTION	CODE	CREDIT CRITERIA	Available	Target 4 Star	Actual	Support Documentation Received	Dated Provided	Status	Dated Approved
Responsible Building Materials	To reward projects that include materials that are responsibly sourced or have a sustainable supply chain.	21.1	Product Transparency and Sustainability	3	2				Aiming for submission 24.04.20	
		22B	Percentage Benchmark	1	1	1	YES	21.04.20	Further documentation required	
Land Use & Ecology										
Ecological Value	To reward projects that improve the ecological value of their site.	23.0	Endangered, Threatened or Vulnerable Species	-	complies	0	YES	06.04.20	APPROVED	07.04.20
Sustainable Sites	To reward projects that choose to develop sites that have limited ecological value, re-use previously developed land and remediate	24.0	Conditional Requirement	-	Complies	0	YES	21.04.20	APPROVED	24.04.20
		24.1	Reuse of Land	1	1	1	YES	21.04.20	APPROVED	24.04.20
		24.2	Contamination and Hazardous Materials	1	1	1	YES	21.04.20	APPROVED	24.04.20
Emissions										
Stormwater	To reward projects that minimise peak stormwater flows and reduce pollutants entering public sewer	26.1	Reduced Peak Discharge	1	1				Cardno	
		26.2	Reduced Pollution Targets	1	1				Cardno	
Light Pollution	To reward projects that minimise light pollution.	27.0	Light Pollution to Neighbouring Bodies	-	Complies				Erco / Northrop - Issues design not meeting target	
		B	Light Pollution to Night Sky	1	1				Erco / Northrop - Issues design not meeting target	
Microbial Control	To recognise projects that implement systems to minimise the impacts associated with harmful microbes in building systems.	28.0	Legionella Impacts from Cooling Systems	1	1	1	YES	03.04.20	APPROVED	07.04.20
Innovation										
Financial Transparency (D)		Innovation	Providing anonymous design and construction cost data to the GBCA confidentially.	1	1	1	YES	21.04.2020	APPROVED	24.04.20
Sustainable Transport		Innovation	No new carparks on site	1	1	1	YES	07.04.20	Further information provided via email	
Stormwater Pollution Targets (C)		Innovation	Exceeding the Stormwater targets	2	1				Cardno	
Culture, Identity and Heritage		Innovation	To encourage the use, interpretation and celebration of buildings with cultural heritage	1	1	1	YES	24.04.20	SUBMITTED	
Beauty		Innovation	Requires narrative to be put together by Architect	1	1				Information provide Built to finalise submission	
Reconciliation Action Plan		Innovation	To encourage organisations to take formalised steps to provide opportunities for Aboriginal and Torres Strait Islander peoples.	1	1				Built	
Total				10	6					

TOTALS	AVAILABLE	4 Star
CORE POINTS	97	48
CATEGORY PERCENTAGE SCORE		49.0
INNOVATION POINTS	10	6.0
TOTAL SCORE TARGETED		53.5

SUBMITTED	40.5
APPROVED	29.5
INFO REQUIRED	10.0
TO BE ASSESSED	1.0

Green star Credits with issues	5.0
Yet to be submitted	13.0

Note: The project is continuing with a future provision PV cells that could be included should there be issues with Green Star targets
Pathway amendment shown in RED

Appendix G – Statused SSD-9787 Conditions Matrix

	SSD 9787 - FINAL CONDITIONS | SCHEDULE 2 MATRIX	Responsibility		Relevent Consultant/s	Date Addressed	Cost Implication	Time Implication	CC # 1	CC # 2	CC # 3	Status
		Owner	Contractor								
	PART A - ADMINISTRATIVE CONDITIONS										
	Obligation to Minimise Harm to the Environment										
A1	In addition to meeting the specific performance measures and criteria in this consent, all reasonable and feasbible measures must be implemented to prevent, and, if prevention is not reasonable and feasible, minimise any material harm to the environment that may result from the construction and operation of the development.	Note	Note		21-Jan-20						Noted
	Terms of Consent										
A2	The development may only be carried out: (a) in compliance with the conditions of this consent; (b) in accordance with all written directions of the Planning Secretary; (c) generally in accordance with the EIS and Response to Submissions; (d) in accordance with the approved plans in the table below:	Note	Note		23-Jan-20						Noted
A3	Consistent with the requirements in this consent, the Planning Secretary may make written directions to the Applicant in relation to: (a) the content of any strategy, study, system, plan, program, review, audit, notification, report or correspondence submitted under or otherwise made in relation to this consent, including those that are required to be, and have been, approved by the Planning Secretary; (b) any reports, reviews or audits commissioned by the Planning Secretary regarding compliance with this approval; and (c) the implementation of any actions or measures contained in any such document referred to in (a) above.	Note	Note								Noted
A4	The conditions of this consent and directions of the Planning Secretary prevail to the extent of any inconsistency, ambiguity or conflict between them and a document listed in condition A2(c). In the event of an inconsistency, ambiguity or conflict between any of the documents listed in condition A2(c), the most recent document prevails to the extent of the inconsistency, ambiguity or conflict.	Note	Note								Noted
	Limits of Consent										
A5	This consent lapses five years after the date of consent unless work is physically commenced.	Note	Note		21-Jan-20						Noted
	Prescribed Conditions										
A6	The Applicant must comply with all relevant prescribed conditions of development consent under Part 6, Division 8A of the EP&A Regulation.	Note	Note		21-Jan-20						Noted
	Planning Secretary as Moderator										
A7	In the event of a dispute between the Applicant and a public authority, in relation to an applicable requirement in this approval or relevant matter relating to the Development, either party may refer the matter to the Planning Secretary for resolution. The Planning Secretary's resolution of the matter must be binding on the parties.	Note	Note								Noted
	Evidence of Consultation										
A8	Where conditions of this consent require consultation with an identified party, the Applicant must: (a) consult with the relevant party prior to submitting the subject document for information or approval; and (b) provide details of the consultation undertaken including: (i) the outcome of that consultation, matters resolved and unresolved; and (ii) details of any disagreement remaining between the party consulted and the Applicant and how the Applicant has addressed the matters not resolved.	Note	Note		21-Jan-20			✓			Noted - will form part of relevant CC submissions as or when required
	Staging										
A9	The project may be constructed and operated in stages. Where staged construction or operation is proposed, a Staging Report (for either or both construction and operation as the case may be) must be prepared and submitted for the information of the Planning Secretary. The Staging Report must be submitted to the Planning Secretary no later than one month before the commencement of construction of the first of the proposed stages of construction (or if only staged operation is proposed, one month before the commencement of operation of the first of the proposed stages of operation).	Note	Note		23-Jan-20			✓			Submitted to Planning Secretary with acknowledgment of receipt from DoP 18/02/20 noting no further comment at this time
A10	A Staging Report prepared in accordance with condition A9 must: (a) if staged construction is proposed, set out how the construction of the whole of the project will be staged, including details of work and other activities to be carried out in each stage and the general timing of when construction of each stage will commence and finish; (b) if staged operation is proposed, set out how the operation of the whole of the project will be staged, including details of work and other activities to be carried out in each stage and the general timing of when operation of each stage will commence and finish (if relevant); (c) specify how compliance with conditions will be achieved across and between each of the stages of the project; and (d) set out mechanisms for managing any cumulative impacts arising from the proposed staging.										Submitted to Planning Secretary - awaiting endorsement
	[i] The Built construction staging triggers this condition - Planning Secretary to be advised		**Note**	**dwp**	31-Jan-20						
	[ii] Nihon is not planning a staged operation - no action required - no staging documentation to be forwarded to the Planning Sectretary	**Note**		**dwp**	31-Jan-20						
A11	Where staging is proposed, the project must be staged in accordance with the Staging Report, as submitted to the Planning Secretary.	Note	Note								Noted
A12	Where staging is proposed, the terms of this approval that apply or are relevant to the works or activities to be carried out in a specific stage must be complied with at the relevant time for that stage.	Note	Note								Noted
	Staging, Combining and Updating Strategies, Plans or Programs										
A13	With the approval of the Planning Secretary, the Applicant may: (a) prepare and submit any strategy, plan (including management plan, architectural or design plan) or program required by this consent on a staged basis (if a clear description is provided as to the specific stage and scope of the development to which the strategy, plan (including management plan, architectural or design plan) or program applies, the relationship of the stage to any future stages and the trigger for updating the strategy, plan (including management plan, architectural or design plan) or program); (b) combine any strategy, plan (including management plan, architectural or design plan), or program required by this consent (if a clear relationship is demonstrated between the strategies, plans (including management plan, architectural or design plan) or programs that are proposed to be combined); and (c) update any strategy, plan (including management plan, architectural or design plan), or program required by this consent (to ensure the strategies, plans (including management plan, architectural or design plan), or programs required under this consent are updated on a regular basis and incorporate additional measures or amendments to improve the environmental performance of the development).	Note	Note					✓			Submitted to Planning Secretary - awaiting endorsement
A14	If the Planning Secretary agrees, a strategy, plan (including management plan, architectural or design plan), or program may be staged or updated without consultation being undertaken with all parties required to be consulted in the relevant condition in this consent.	Note	Note								Noted
A15	If approved by the Planning Secretary, updated strategies, plans (including management plan, architectural or design plan), or programs supersede the previous versions of them and must be implemented in accordance with the condition that requires the strategy, plan, program or drawing.	Note	Note								Noted
	Structural Adequacy										

	SSD 9787 - FINAL CONDITIONS | SCHEDULE 2 MATRIX	Responsibility		Relevent Consultant/s	Date Addressed	Cost Implication	Time Implication	CC # 1	CC # 2	CC # 3	Status
		Owner	Contractor								
A16	All new buildings and structures, and any alterations or additions to existing buildings and structures, that are part of the development, must be constructed in accordance with the relevant requirements of the BCA and any additional requirements of the Subsidence Advisory NSW where the building or structure is located on land within a declared Mine Subsidence District. Notes: • Part 8 of the EP&A Regulation sets out the requirements for the certification of the development. • Under section 21 of the Coal Mine Subsidence Compensation Act 2017, the Applicant is required to obtain the Chief Executive of Subsidence Advisory NSW's approval before carrying out certain development in a Mine Subsidence District.							✓			Refer Cardno and Northrop certifications and updated drawings of 15/04/20 and 16/04/20
	[i] Structural adequacy of new buildings engineering certification required to the Certifier		**Built**	**Northrop**							
	[ii] Structural adequacy of existing courthouse - certification required for earthquake strengthening + termite repairs - passed to the Certifier	**Nihon**		**Cardno | dwp**							
	External Walls and Cladding										
A17	The external walls of all buildings including additions to existing buildings must comply with the relevant requirements of the BCA.								✓		Refer dwp design statement 01 dated 16/04/20
	[i] Design certification of external walls including insulation		**Built**	**dwp | Northrop**							
	Site Contamination										
A18	Following the completion of demolition works and prior to the commencement of all other construction, additional site investigations of previously untested or inaccessible areas of the site must be undertaken in accordance with: (a) interim advice dated12 November 2019 and prepared by NSW EPA Accredited Site Auditor Ian Gregson, Principal Environmental Consultant, GHD; (b) the recommendations provided in the Phase 1 Environmental Site Assessment – Technical Note dated 29 April 2019 and prepared by Cardno; (c) NSW EPA Sampling Design Guidelines; (d) Guidelines for the NSW Site Auditor Scheme (3rd edition) 2017 https://www.epa.nsw.gov.au/publications/contaminatedland/17p0269-guidelines-for- thensw-site-auditor-scheme-third-edition; (e) Guidelines for Consultants Reporting on Contaminated Sites, 2011 www.epa.nsw.gov.au/resources/clm/20110650consultantsglines.pdf; (f) The National Environment Protection (assessment of contamination) Measures 2013 as amended; and (g) testing must include assessment of both the soil and groundwater profile.							✓			Noted - Douglas have completed testing for both the new residential building and the new education building (March '20) and included within the amended and final RAP - issued to the PCA 31/03/20
	[i] Additional site testing and reporting to be undertaken once demolition completed		**Built**	**Douglas Partners**							
	[ii] Reviewing and advice on test methods	**Nihon**		**GHD | dwp**							
A19	The additional site investigations report must be reviewed by a NSW EPA Accredited Site Auditor and the Conceptual Remediation Action Plan dated 28 May 2019, prepared by Cardno must be updated to reflect the findings of the additional site investigations required by condition A18. The updated remediation action plan must be approved by a NSW EPA Accredited Site Auditor and submitted to the Planning Secretary prior to the commencement of remediation works.								✓		Approved RAP & DSI submitted to DPIE by dwp on 28/04/2020
	[i] Remedial Action Plan required to be updated and to be submitted to site auditor		**Built**	**Douglas Partners**							
	[ii] Updated report to be reviewed and approved and forwarded to EPA + planning secretary	**Nihon**		**GHD | dwp**							
A20	Remediation works approved as part of this development consent must be carried out in accordance with the remediation action plan approved by a NSW EPA Accredited Site Auditor pursuant to condition A19.										Noted
	[i] Remedial works to be carried out in accordance with the approved RAP - certification required		**Built**	**Douglas Partners**							
	[ii] Review of completed remedial works documentation	**Nihon**		**GHD | dwp**							
	Applicability of Guidelines										
A21	References in the conditions of this consent to any guideline, protocol, Australian Standard or policy are to such guidelines, protocols, Standards or policies in the form they are in as at the date of this consent.	Note	Note								Noted
A22	Consistent with the conditions of this consent and without altering any limits or criteria in this consent, the Planning Secretary may, when issuing directions under this consent in respect of ongoing monitoring and management obligations, require compliance with an updated or revised version of such a guideline, protocol, Standard or policy, or a replacement of them.	Note	Note								Noted
	Monitoring and Environmental Audits										
A23	Any condition of this consent that requires the carrying out of monitoring or an environmental audit, whether directly or by way of a plan, strategy or program, is taken to be a condition requiring monitoring or an environmental audit under Division 9.4 of Part 9 of the EP&A Act. This includes conditions in respect of incident notification, reporting and response, noncompliance notification, Site audit report and independent auditing. Note: For the purposes of this condition, as set out in the EP&A Act, "monitoring" is monitoring of the development to provide data on compliance with the consent or on the environmental impact of the development, and an "environmental audit" is a periodic or particular documented evaluation of the development to provide information on compliance with the consent or the environmental management or impact of the development.	Note	Note		21-Jan-20						Noted
	Access to Information										
A24	At least 48 hours before the commencement of construction until the completion of all works under this consent, or such other time as agreed by the Planning Secretary, the Applicant must: (a) make the following information and documents (as they are obtained or approved) publicly available on its website: (i) the documents referred to in condition A2 of this consent; (ii) all current statutory approvals for the development; (iii) all approved strategies, plans and programs required under the conditions of this consent; (iv) regular reporting on the environmental performance of the development in accordance with the reporting arrangements in any plans or programs approved under the conditions of this consent; (v) a comprehensive summary of the monitoring results of the development, reported in accordance with the specifications in any conditions of this consent, or any approved plans and programs; (vi) a summary of the current stage and progress of the development; (vii) contact details to enquire about the development or to make a complaint; (viii) a complaints register, updated monthly; (ix) audit reports prepared as part of any independent audit of the development and the Applicant's response to the recommendations in any audit report; (x) any other matter required by the Planning Secretary; and (b) keep such information up to date, to the satisfaction of the Planning Secretary.				23-Jan-20			✓			Closed out
	[i] Information required from contractor to be supplied throughout the construction phase - information website to be displayed on site		**Built**								
	[ii] Web site to be established and maintained with current documents - updated with construction inputs - before the commencement of construction	**Nihon**		**Azusa | dwp**							

	SSD 9787 - FINAL CONDITIONS | SCHEDULE 2 MATRIX	Responsibility		Relevent Consultant/s	Date Addressed	Cost Implication	Time Implication	CC # 1	CC # 2	CC # 3	Status
		Owner	Contractor								
	Compliance										
A25	The Applicant must ensure that all of its employees, contractors (and their sub-contractors) are made aware of, and are instructed to comply with, the conditions of this consent relevant to activities they carry out in respect of the development.	Note	Note		21-Jan-20						Noted - to be provided to all consultants and subcontractors
	Incident Notification, Reporting and Response										
A26	The Planning Secretary must be notified in writing to compliance@planning.nsw.gov.au immediately after the Applicant becomes aware of an incident. The notification must identify the development (including the development application number and the name of the development if it has one), and set out the location and nature of the incident.	Note	Note								
A27	Subsequent notification must be given and reports submitted in accordance with the requirements set out in **Appendix 2.**	Note	Note								Noted
	Non-Compliance Notification										
A28	The Planning Secretary must be notified in writing to compliance@planning.nsw.gov.au within seven days after the Applicant becomes aware of any non-compliance. The Certifying Authority must also notify the Planning Secretary in writing to compliance@planning.nsw.gov.au within seven days after they identify any non-compliance.	Note	Note								Noted - dwp \ Built to communicate and co-ordinate any non compliances
A29	The notification must identify the development and the application number for it, set out the condition of consent that the development is non-compliant with, the way in which it does not comply and the reasons for the non-compliance (if known) and what actions have been, or will be, undertaken to address the non-compliance.	Note	Note								Noted
A30	A non-compliance which has been notified as an incident does not need to also be notified as a non-compliance.	Note	Note								
	Revision Strategies, Plans and Programs										
A31	Within three months of: (a) the submission of a compliance report under condition C22; (b) the submission of an incident report under condition A27; (c) the submission of an Independent Audit under condition C32; (d) the approval of any modification of the conditions of this consent; or (e) the issue of a direction of the Planning Secretary under condition A2 which requires a review, the strategies, plans and programs required under this consent must be reviewed, and the Planning Secretary and the Certifier must be notified in writing that a review is being carried out. If necessary to either improve the environmental performance of the development, cater for a modification or comply with a direction, the strategies, plans, programs or drawings required under this consent must be revised, to the satisfaction of the Planning Secretary and/or Certifier (where relevant). Where revisions are required, the revised document must be submitted to the Planning Secretary and/or Certifier for approval and/or information (where relevant) within six weeks of the review. Note: This is to ensure strategies, plans and programs are updated on a regular basis and to incorporate any recommended measures to improve the environmental performance of the development.										Noted
	[i] Review and report strategy to be put in place		**Built**								
	[ii] Review and report strategy to be put in place	**Nihon**		**Azusa | dwp**							
	PART B - PRIOR TO ISSUE OF CONSTRUCTION CERTIFICATE										
	Certified Drawings										
B1	Prior to the issue of the relevant Construction Certificate, the Applicant must submit to the satisfaction of the Certifier structural drawings prepared and signed by a suitably qualified practising Structural Engineer that demonstrates compliance with this development consent.							✓	✓		Closed out for CC#1 & CC#2
	[i] Structural certification of compliance of new buildings - issued to the Certifier		**Built**	**Northrop**							
	[ii] Structural certification of compliance of existing courthouse building - issued to the Certifier	**Nihon**		**Cardno**							
	Development Contributions										
B2	Prior to the issue of any Construction Certificate (not including demolition or site remediation works), a Section 7.12 levy totalling **$288,992**, is to be paid to Council in accordance with Section 7.12 of the EP&A Act and City of Newcastle Section 7.12 Newcastle Local Infrastructure Contributions Plan 2019. Prior to payment Council can provide the value of the indexed levy.							✓			Required for CC#1
	[i] Developer contribution to be paid prior to commencement of construction	**Nihon**		**Azusa | dwp**							
	External Walls and Cladding										
B3	Prior to the issue of any Construction Certificate, the Applicant must provide the Certifier with documented evidence that the products and systems proposed for use or used in the construction of external walls, including finishes and claddings such as synthetic or aluminium composite panels, comply with the requirements of the BCA. The Applicant must provide a copy of the documentation given to the Certifier to the Planning Secretary within seven days after the Certifier accepts it.								✓		Refer dwp design statement 01 dated 16/04/20
	[i] Documented evidence to the Certifier and a copy to the Planning Secretary required	**Nihon**		**dwp | Azusa**							
	Protection of Public Infrastructure										
B4	Prior to the issue of the relevant Construction Certificate, the Applicant must: (a) consult with the relevant owner and provider of services that are likely to be affected by the development to make suitable arrangements for access to, diversion, protection and support of the affected infrastructure; (b) prepare a dilapidation report identifying the condition of all public infrastructure in the vicinity of the site (including roads, gutters and footpaths); and (c) submit a copy of the dilapidation report to the Planning Secretary, Certifier and Council.				23-Jan-20			✓	✓	✓	Closed-out
	[i] Communications strategies and dilapidation survey to be undertaken - copy of dilapidation report to Certifier + Council		**Built**		**21-Jan-20**						
	[ii] Copy of dilapidation report forwarded to Planning Secretary	**Nihon**		**dwp**	**21-Jan-20**						
	Pre-Construction Dilapidation Report										
B5	Prior to the issue of the relevant Construction Certificate, the Applicant must submit a pre- commencement dilapidation report to Council, NSW Heritage Division and the Certifier. The report must provide an accurate record of the existing condition of adjoining private properties, heritage items and Council assets that are likely to be impacted by the proposed works.				23-Jan-20			✓	✓	✓	Closed out
	[i] Dilapidation survey to be undertaken - copy of dilapidation report to Certifier + Council		**Built**		**21-Jan-20**						
	[ii] Copy of dilapidation report forwarded to Planning Secretary	**Nihon**		**dwp**	**21-Jan-20**						
	Ecologically Sustainable Development										

	SSD 9787 - FINAL CONDITIONS | SCHEDULE 2 MATRIX	Responsibility		Relevent Consultant/s	Date Addressed	Cost Implication	Time Implication	CC # 1	CC # 2	CC # 3	Status
		Owner	Contractor								
B6	Prior to the issue of any Construction Certificate, unless otherwise agreed by the Planning Secretary, the Applicant must demonstrate that ESD is being achieved by either: (a) registering for a minimum 4 star Green Star rating with the Green Building Council Australia and submit evidence of registration to the Certifier; or (b) seeking approval from the Planning Secretary for an alternative certification process.				23-Jan-20			✓	✓		Planning Secretary endorsement received 10/02/20. PCA requires certification from designers that the pathway has been included in their design and achieved.
	[i] Management of the green star process - assistance with alternative certification process		**Built**	**dwp|Northrop**							
	[ii] Resolution of alternative certification process - notification to Planning Secretary for approval	**Nihon**		**Azusa | dwp**	**17-Jan-20**						
	Operational Waste Storage and Processing										
B7	Prior to the issue of the relevant Construction Certificate, the Applicant must obtain agreement from Council for the design of the operational waste storage area (where waste removal will be undertaken by Council). Where waste removal will be undertaken by a third party, the design of the operational waste storage area must be in accordance with Council's standards. Evidence of the design and Council endorsement (where relevant) must be provided to the Certifier.								✓		Closed out by dwp Aconex of 6/04/20 ref: dwp AU-GCOR-000296 and dwp design statement 01 dated 16/04/20
	[i] DA approved stormwater drawings to be fowarded to Certifier		**Built**	**dwp|Northrop**							
	[ii] Evidence of design and Council endorsement of operational waste storage and processing to be submitted to Certifier	**Nihon**		**Azusa | dwp**							
	Rainwater Harvesting										
B8	Prior to the issue of the relevant Construction Certificate, the Applicant must ensure that a rainwater reuse/harvesting system for the development is developed for the site. A rainwater re- use plan must be prepared and certified by an experienced hydraulic engineer.								✓		Will form part of CC#2 documentation
	[i] Rainwater reuse has been designed installation to be finalised + provided to the Certifier		**Built**	**Cardno | Northrop**							
	Operational Car Parking and Service Vehicle Layout										
B9	Prior to the issue of the relevant Construction Certificate, compliance with the following requirements must be submitted to the satisfaction of the Certifier: (a) all vehicles must enter and leave the Site in a forward direction; (b) a minimum of 20 on-site car parking spaces for use during operation of the development and designed in accordance with the latest versions of AS 2890.1 and AS 2890.6; (c) the swept path of the longest construction vehicle entering and exiting the Site in association with the new work, as well as manoeuvrability through the Site, must be in accordance with the latest version of AS 2890.2; (d) the safety of vehicles and pedestrians accessing adjoining properties, where shared vehicle and pedestrian access occurs, is to be addressed; and (e) traffic management devices in the form of 'Stop' and 'Give Way to Pedestrian' signs and line marking must be installed at the entry of proposed driveways within the site and constructed in accordance with AS 2890.1:2004: Parking facilities 0 Off-street car parking.								✓		Refer dwp design statement 01 dated 16/04/20
	[i] Final car parking and service layouts to be design certified + provided to the Certifier		**Built**	**dwp | Northrop**							
	Bicycle Parking and End of Trip Facilities										
B10	Prior to the issue of the relevant Construction Certificate, compliance with the following requirements for secure bicycle parking and end-of-trip facilities must be submitted to the satisfaction of the Certifier: (a) the provision of a minimum 22 bicycle parking spaces; (b) the layout, design and security of bicycle facilities must comply with the minimum requirements of the latest version of AS 2890.3:2015 Parking facilities - Bicycle parking, and be located in easy to access, well-lit areas that incorporate passive surveillance; (c) the provision of end-of-trip facilities for staff; (d) appropriate pedestrian and cyclist advisory signs are to be provided; and (e) all works/regulatory signposting associated with the proposed developments shall be at no cost to the relevant roads authority								✓		Refer dwp design statement 01 dated 16/04/20
	[i] Final bicycle parking and service facilities to be design certified + provided to the Certifier		**Built**	**Cardno | Northrop**							
	PART C - PRIOR TO COMMENCMENT OF CONSTRUCTION										
	Notice of Commencement										
C1	The Applicant must notify the Planning Secretary in writing of the dates of commencement of physical work and operation at least 48 hours before those dates.	Note	Note		22-Jan-20			✓	✓	✓	To be advised prior to commencement of each stage
	[i] Notification of commencement required to the Planning Secretary		**Built**	**dwp**	**22-Jan-20**						
C2	If the construction or operation of the development is to be staged, the Planning Secretary must be notified in writing at least 48 hours before the commencement of each stage, of the date of commencement and the development to be carried out in that stage.	Note	Note					✓	✓	✓	Noted - to be provided for each CC
	[i] Notification of commencement of each construction stage required to the Planning Secretary		**Built**	**dwp**							
	Construction Certificate										
C3	Work must not commence until a Construction Certificate in respect of the work has been issued.							✓	✓	✓	Noted - staged CC's to meet programme
	[i] Construction certification process to be managed		**Built**	**dwp**							
	Outdoor Lighting										
C4	Prior to commencement of lighting installation, evidence must be submitted to the satisfaction of the Certifier that all outdoor lighting within the site has been designed to comply with AS 1158.3.1:2005 Lighting for roads and public spaces – Pedestrian area (Category P) lighting – Performance and design requirements and AS 4282-2019 Control of the obtrusive effects of outdoor lighting.								✓		dwp to either provide the necessary certification that the ASP3 design complies with the applicable Australian Standards or confirm with the PCA that it will form part of CC#3 submission rather than CC#2
	[i] Finalise in outdoor lighting design process and submit to the Certifier		**Built**	**dwp|Northrop**							
	Demolition										
C5	Prior to the commencement of construction, demolition work plans required by AS 2601-2001 The demolition of structures (Standards Australia, 2001) must be accompanied by a written statement from a suitably qualified person that the proposals contained in the work plan comply with the safety requirements of the Standard. The work plans and the statement of compliance must be submitted to the Certifier and Planning Secretary.				21-Jan-20			✓			Closed out
	[i] Demolition work plans and statement submitted to the certifier		**Built**	**Northrop**	**21-Jan-20**						
	[ii] Copy of works plans and statement forwarded to Planning Secretary	**Nihon**		**dwp**	**21-Jan-20**						
C6	Prior to the commencement of internal demolition works within the State heritage listed former Newcastle Courthouse, evidence must be submitted to the satisfaction of the Certifier confirming works planned are required to make the existing building compliant with the fire and Life Safety Upgrade Strategy, prepared by Design Confidence, dated 12 June 2019, and that impacts to areas of high significant fabric have been limited.								✓		Revised and updated FER completed by Design Confidence & issued to the PCA
	[i] Fire and life safety strategy to be confirmed through fire engineering and forwarded to the Certifier		**Built**	**dwp|Northrop**							
	Environment Management Plan Requirements										

	SSD 9787 - FINAL CONDITIONS | SCHEDULE 2 MATRIX	Responsibility		Relevent Consultant/s	Date Addressed	Cost Implication	Time Implication	CC # 1	CC # 2	CC # 3	Status
		Owner	Contractor								
C7	Management plans required under this consent must be prepared in accordance with relevant guidelines, and include: (a) detailed baseline data; (b) details of: (i) the relevant statutory requirements (including any relevant approval, licence or lease conditions); (ii) any relevant limits or performance measures and criteria; and (iii) the specific performance indicators that are proposed to be used to judge the performance of, or guide the implementation of, the development or any management measures; (c) a description of the measures to be implemented to comply with the relevant statutory requirements, limits, or performance measures and criteria; (d) a program to monitor and report on the: (i) impacts and environmental performance of the development; (ii) effectiveness of the management measures set out pursuant to paragraph (c) above; (e) a contingency plan to manage any unpredicted impacts and their consequences and to ensure that ongoing impacts reduce to levels below relevant impact assessment criteria as quickly as possible; (f) a program to investigate and implement ways to improve the environmental performance of the development over time; (g) a protocol for managing and reporting any: (i) incident and any non-compliance (specifically including any exceedance of the impact assessment criteria and performance criteria); (ii) complaint; (iii) failure to comply with statutory requirements; and (h) a protocol for periodic review / update of the plan and any updates in response to incidents or matters of non-compliance. Note: The Planning Secretary may waive some of these requirements if they are unnecessary or unwarranted for particular management plans				23-Jan-20			✓			Closed out
	[i] Plan requirements incorporated in construction works		Built								
	[ii] Assessment of plan requirements following on from occupation	**Nihon**		**Azusa | dwp**							
	Construction Environmental Management Plan										
C8	Prior to the commencement of construction, the Applicant must submit a Construction Environmental Management Plan (CEMP) to the Certifier and provide a copy to the Planning Secretary. The CEMP must include, but not be limited to, the following: (a) Details of: (i) hours of work; (ii) 24-hour contact details of site manager; (iii) management of dust and odour to protect the amenity of the neighbourhood; (iv) stormwater control and discharge; (v) measures to ensure that sediment and other materials are not tracked onto the roadway by vehicles leaving the site; (vi) groundwater management plan including measures to prevent groundwater contamination; (vii) external lighting in compliance with AS 4282-2019 Control of the obtrusive effects of outdoor lighting; (viii) community consultation and complaints handling; (b) Construction Traffic and Pedestrian Management Sub-Plan (see condition C10); (c) Construction Noise and Vibration Management Sub-Plan (see condition C11); (d) Construction Waste Management Sub-Plan (see condition C11(g)); (e) an unexpected finds protocol for contamination and associated communications procedure; (f) an unexpected finds protocol for non-Aboriginal heritage and associated communications procedure; (g) waste classification (for materials to be removed) and validation (for materials to remain) be undertaken to confirm the contamination status in these areas of the site; and				23-Jan-20			✓			Closed out
	[i] CEMP developed by contractor + submission to the Certifier		**Built**		**22-Jan-20**						
	[ii] Copy of Camp forwarded to Planning Secretary	**Nihon**		**dwp**	**22-Jan-20**						
C9	The Applicant must not commence construction of the development until the CEMP is submitted to the Certifier and a copy submitted to the Planning Secretary.	Note	Note		23-Jan-20			✓			Closed out
C10	The Construction Traffic and Pedestrian Management Sub-Plan (CTPMSP) must address, but not be limited to, the following: (a) be prepared by a suitably qualified and experienced person(s); (b) be prepared in consultation with Council; (c) detail the measures that are to be implemented to ensure road safety and network efficiency during construction in consideration of potential impacts on general traffic, cyclists and pedestrians and bus services; (d) detail heavy vehicle routes, access and parking arrangements; (e) include a Driver Code of Conduct to: (i) minimise the impacts of earthworks and construction on the local and regional road network; (ii) minimise conflicts with other road users; (iii) minimise road traffic noise; and (iv) ensure truck drivers use specified routes; (f) include a program to monitor the effectiveness of these measures; and (g) if necessary, detail procedures for notifying residents and the community (including local schools), of any potential disruptions to routes.				23-Jan-20			✓			Closed out - CoN confirmation of consultation provided 12/02/20
	[i] CTPMSP developed by contractor + submission to Certifier		**Built**								
	[ii] Submission to the Planning Secretary required	**Nihon**		**dwp**							
C11	The Construction Noise and Vibration Management Sub-Plan must address, but not be limited to, the following: (a) be prepared by a suitably qualified and experienced noise expert; (b) describe procedures for achieving the noise management levels in EPA's Interim Construction Noise Guideline (DECC, 2009); (c) describe the measures to be implemented to manage high noise generating works such as piling, in close proximity to sensitive receivers; (d) include strategies that have been developed with the community for managing high noise generating works; (e) describe the community consultation undertaken to develop the strategies in condition C11(d); (f) include a complaints management system that would be implemented for the duration of the construction; and (g) include a program to monitor and report on the impacts and environmental performance of the development and the effectiveness of the management measures in accordance with condition C7(d). The program should be developed in accordance with the report titled Noise and Vibration Assessment – Operational and Construction report dated May 2019 and prepared by EMM Consulting, and included, but not limited: (i) alert triggers where project trigger noise levels are exceeded; and (ii) procedures for respite periods when sensitive receivers become 'highly noise affected' (i.e. noise levels exceed 75 dB(A).				23-Jan-20			✓			Closed out
	[i] CNVMS-P developed by contractor + submission to PCA		Built	EMM	22-Jan-20						

	SSD 9787 - FINAL CONDITIONS | SCHEDULE 2 MATRIX	Responsibility		Relevent Consultant/s	Date Addressed	Cost Implication	Time Implication	CC # 1	CC # 2	CC # 3	Status
		Owner	Contractor								
C12	The Construction Waste Management Sub-Plan (CWMSP) must address, but not be limited to, the following: (a) detail the quantities of each waste type generated during construction and the proposed reuse, recycling and disposal locations; and (b) removal of hazardous materials, particularly the method of containment and control of emission of fibres to the air, and disposal at an approved waste disposal facility in accordance with the requirements of the relevant legislation, codes, standards and guidelines, prior to the commencement of any building works.				23-Jan-20			✓			Closed out
	[i] CWPMSP developed by contractor + submission to PCA		**Built**								
	Aboriginal Cultural Heritage Management Plan										
C13	Prior to the commencement of construction (excluding demolition works), an Aboriginal Cultural Heritage Management Plan (ACHMP) must be prepared and address, but not be limited to, the following: (a) be prepared by a suitably qualified and experienced expert in consultation with the Registered Aboriginal Parties; (b) be endorsed by the Planning Secretary prior to construction (excluding demolition works) of any part of the development; (c) describe the measures to protect any Aboriginal cultural deposits or relics uncovered during sub surface archaeological testing in accordance with the relevant legislation.							✓			Closed, site works closed out and report issued to PCA. AI # 11 provides confirmation of acceptance from DoP rec'd 16/04/20
	[i] ACHMSP developed by contractor + submission to PCA		**Built**	**AMAC**							
	[ii] Submission to and endorsement by the Planning Secretary required	**Nihon**		**dwp**							
	Construction Worker Transportation Strategy										
C14	Prior to the commencement of construction, the Applicant must submit a Construction Worker Transportation Strategy to the satisfaction of the Certifier. The Strategy must detail the provision of sufficient parking facilities or other travel arrangements for construction workers in order to minimise demand for parking in nearby public and residential streets or public parking facilities.				23-Jan-20			✓			Closed out
	[i] Strategy developed by contractor + submission to the Certifier		**Built**		**22-Jan-20**						
	[ii] Submission to the Planning Secretary required	**Nihon**		**dwp**	**22-Jan-20**						
	Stormwater Management System										
C15	Prior to the commencement of construction, the Applicant must design an operational stormwater management system for the development and submit it to the satisfaction of the Certifier. The system must: (a) be designed by a suitably qualified and experienced person(s); (b) be design in consultation with and to the satisfaction of Council; (c) be generally in accordance with the conceptual design in the EIS as amended by the RtS; (d) be in accordance with applicable Australian Standards; (e) ensure that the system capacity has been designed in accordance with Australian Rainfall and Runoff (Engineers Australia, 2019) and Managing Urban Stormwater: Council Handbook (EPA, 1997) guidelines; (f) divert existing clean surface water around operational areas of the site; (g) direct all sediment laden water in overland flow away from the leachate management system; (h) prevent cross-contamination of clean and sediment or leachate laden water; (i) include details of all on-site retention/detention and water quality treatment systems are to be individually signposted in accordance with Council's Stormwater and Water Efficiency for Development Technical Manual.							✓			Closed in CC#1 submission
	[i] Stormwater management system developed + submission to the Certifier		**Built**	**Cardno | Northrop**							
	Operational Noise – Design of Mechanical Plant and Equipment										
C16	Prior to installation of mechanical plant and equipment, the Applicant must incorporate the noise mitigation recommendations in the Noise and Vibration Assessment – Operational and Construction report dated May 2019 and prepared by EMM Consulting, into the detailed design drawings. The Certifier must verify that all noise mitigation measures have been incorporated into the design to ensure the development will not exceed the recommended operational noise levels identified in the Noise and Vibration Assessment – Operational and Construction report dated May 2019 and prepared by EMM Consulting.								✓		In progress - to be incorporated in Northrop mechanical CC#2 design documentation
	[i] Mechanical services design developed for compliance + submission to Certifier		**Built**	**Northrop**							
	[ii] The Certifier to verify the submitted design	**Nihon**		**Dix Gardner**							
	Archaeological Salvage - Historic Archaeology										
C17	Following the completion of demolition works and prior to the commencement of construction works, all affected historical archaeological deposits are to be subject to professional archaeological excavation and recording. An Archaeological Research Design and Excavation methodology must be prepared to guide the archaeological program. This must be prepared in accordance with Heritage Council of NSW Guidelines and in consultation with Heritage NSW, Department of Premier and Cabinet.							✓			Complete. Field work for Bldg A complete, Bldg B and C to follow. AI # 11 provides formal confirmation of approval from DoP dated 16/04/20
	[i] Methodology developed for compliance - consultation required with Heritage NSW + Premiers Department		**Built**	**AMAC**							
C18	The Archaeological program must be directed by a suitably qualified and experienced Archaeologist (Excavation Director). The nominated Excavation Director must be able to demonstrate their ability to undertake this work through a response to the Heritage Council's Excavation Director Criteria (July 2011) for salvage excavation for a site of local heritage significance.		-					✓			Closed - issued to PCA via Aconex 14/02/20. AI # 11 provides formal confirmation of approval from DoP dated 16/03/20 and 15/04/20.
	[i] AMAC credentials identified for compliance		**Built**	**AMAC**							
	Landscaping										
C19	Prior to the commencement of construction, the Applicant must prepare a revised Landscape Plan that provides a streetscape treatment that does not impede on the understanding of the former Newcastle Courthouse and its relationship to its environment and setting, and submit a copy to the Planning Secretary. The plan must (a) be prepared by a qualified heritage landscape consultant and submitted to the NSW Heritage Council, or its delegate, for endorsement; (b) provide an analysis of the existing site frontage hardstand, fences and gates, colours and finishes and landscape elements within the precinct; (c) demonstrate the retention of the existing heritage cast iron fence along the site frontage, including the iron palisade fence, sandstone plinth and sandstone piers, unless removal of sections is demonstrated to be essential for the functional requirements of the proposal (e.g. clearance required to establish the approved additional driveway crossover); (d) provide for the planting of eight trees that are sympathetic to the heritage values of the item and ensure no planting grow higher than 1.5 m in directly in front of the former Newcastle Courthouse; (e) detail the location, species, maturity and height at maturity of plants to be planted on-site; (f) include species (trees, shrubs and groundcovers) indigenous to the local area; (g) include the planting of trees with a pot container of 100 litres or greater; (h) include the provision of street tree planting. Species and spacing of trees are to be sympathetic to the heritage values of the item and are to be determined in consultation with Council.								✓		dwp confirmed condition met and closed out via Aconex of 27/04/20 (NB PCA had previously accepted this as part of the S138 approval and CC#3 submission rather than CC#2).
	[i] Landscape requirements to be worked through for resolution with Council + Heritage NSW	**Nihon**		**dwp | Moir**							
	Public Domain Works										

	SSD 9787 - FINAL CONDITIONS | SCHEDULE 2 MATRIX	Responsibility		Relevent Consultant/s	Date Addressed	Cost Implication	Time Implication	CC # 1	CC # 2	CC # 3	Status
		Owner	Contractor								
C20	Prior to the commencement of any footpath or public domain works, the Applicant must engage a suitably qualified practicing engineer to design the following public domain works within the Church Street frontage of the site at no cost to Council and in accordance with the Newcastle City Centre Public Domain Manual guideline, design specifications and relevant Australian Standards: (a) new full width footpath and streetscape works and driveway; (b) reconstruct kerb and gutter, including associated road shoulder pavement and any associated drainage works; (c) new street trees and tree planting vaults in accordance with Council's requirement and adjust service pit levels to match new footpath levels; (d) kerb blisters and raised pedestrian crossings at the intersection of Bolton Street and Church Street; (e) upgrade street lighting across the frontage of the site to provide P3 Pedestrian Lighting Category in accordance with Australian Standard 1158.1; (f) upgrade of pedestrian crossing lighting to comply with Australian Standard 1158.4; (g) any necessary adjustments to regulatory signage.									✓	dwp confirmed that the PCA will accept this as part of the S138 approval and CC#3 submission rather than CC#2
	[i] Public domain works to be worked through for final resolution	**Nihon**		**dwp | Moir | Cardno**							
C21	Prior to the commencement of any footpath or public domain works, the Applicant must consult with Council and demonstrate to the Certifier that the public domain design and treatment, as required by condition C20, meets the Council's requirements, including addressing pedestrian management. The Applicant must submit documentation of approval for each stage from Council to the Certifier.									✓	dwp confirmed that the PCA will accept this as part of the S138 approval and CC#3 submission rather than CC#2
	[i] Public domain works to be worked through for final resolution - approval from Council submitted to the Certifier	**Nihon**		**dwp | Moir | cardno**							
	Compliance Reporting										
C22	No later than two weeks before the date notified for the commencement of construction, a Compliance Monitoring and Reporting Program prepared in accordance with the Compliance Reporting Post Approval Requirements (Department 2018) must be submitted to the Planning Secretary and the Certifier.				23-Jan-20			✓			Closed out
	[i] Compliance monitoring and reporting program prepared + provided to the Certifier		**Built**	**dwp | Northrop**							
	[ii] Submission of report to the Planning Secretary required	**Nihon**		**dwp**	**16-Jan-20**						
C23	Compliance Reports of the project must be carried out in accordance with the Compliance Reporting Post Approval Requirements (Department 2018).	Noted	Noted								Noted
C24	The Applicant must make each Compliance Report publicly available 60 days after submitting it to the Planning Secretary and notify the Planning Secretary and the Certifying Authority in writing at least seven days before this is done.										Noted
	[i] Compliance report made available publically and advise Planning Secretary + Certifier	**Nihon**		**Azusa | dwp**							
C25	Notwithstanding the requirements of the Compliance Reporting Post Approval Requirements (Department 2018), the Planning Secretary may approve a request for ongoing annual operational compliance reports to be ceased, where it has been demonstrated to the Planning Secretary's satisfaction that an operational compliance report has demonstrated operational compliance.	Note	Note								Noted
	PART D - DURING CONSTRUCTION										
	Site Notice										
D1	A site notice(s): (a) must be prominently displayed at the boundaries of the site during construction for the purposes of informing the public of project details including, but not limited to the details of the Builder, Certifier and Structural Engineer is to satisfy the following requirements; (b) minimum dimensions of the notice must measure 841 mm x 594 mm (A1) with any text on the notice to be a minimum of 30-point type size; (c) the notice is to be durable and weatherproof and is to be displayed throughout the works period; (d) the approved hours of work, the name of the site/ project manager, the responsible managing company (if any), its address and 24-hour contact phone number for any inquiries, including construction/ noise complaint must be displayed on the site notice; and (e) the notice(s) is to be mounted at eye level on the perimeter hoardings/fencing and is to state that unauthorised entry to the site is not permitted.							✓			Closed out
	[i] Site notices developed by contractor + submission to the Certifier		**Built**								
	Operation of Plant and Equipment										
D2	All construction plant and equipment used on site must be maintained in a proper and efficient condition and operated in a proper and efficient manner.										Noted
	[i] Site plant maintained and equipment maintenance by contractor		**Built**								
	Demolition										
D3	Demolition work must comply with the demolition work plans required by Australian Standard AS 2601-2001 The demolition of structures (Standards Australia, 2001) and endorsed by a suitably qualified person as required by Condition C5.				21-Jan-20			✓			Closed out
	[i] Demolition processes developed by contractor		**Built**								
	Construction Hours										
D4	Construction, including the delivery of materials to and from the site, may only be carried out between the following hours: (a) between 7 am and 6 pm, Mondays to Fridays inclusive; and (b) between 8 am and 1 pm, Saturdays. No work may be carried out on Sundays or public holidays.										Noted
	[i] Construction hours factored into construction program		**Built**								
D5	Construction activities may be undertaken outside of the hours in condition D4 if required: (a) by the Police or a public authority for the delivery of vehicles, plant or materials; or (b) in an emergency to avoid the loss of life, damage to property or to prevent environmental harm; or (c) where the works are inaudible at the nearest sensitive receivers; or (d) where a variation is approved in advance in writing by the Planning Secretary or his nominee if appropriate justification is provided for the works.	Note	Note								Noted
D6	Notification of such construction activities as referenced in condition D5 must be given to affected residents before undertaking the activities or as soon as is practical afterwards.										
	[i] Notification to affected residents required		**Built**								
D7	Rock breaking, rock hammering, sheet piling, pile driving and similar activities may only be carried out between the following hours: (a) 9am to 12pm, Monday to Friday; (b) 2pm to 5pm Monday to Friday; and (c) 9am to 12pm, Saturday.										Noted
	[i] Check advice with the Certifier - demolition processes not considered as rock breaking or rock hammering - to be monitored		**Built**								
	Implementation of Management Plans										
D8	The Applicant must carry out the construction of the development in accordance with the most recent version of the approved CEMP (including Sub-Plans) and ACHMP.										Noted
	[i] Monitoring of compliance with management plans		**Built**								
	Construction Traffic										
D9	All construction vehicles (excluding site personnel vehicles) are to be contained wholly within the site, except if located in an approved on-street work zone, and vehicles must enter the site before stopping.		**Built**								Noted
	Hoarding Requirements										

	SSD 9787 - FINAL CONDITIONS | SCHEDULE 2 MATRIX	Responsibility		Relevent Consultant/s	Date Addressed	Cost Implication	Time Implication	CC # 1	CC # 2	CC # 3	Status
		Owner	Contractor								
D10	The following hoarding requirements must be complied with: (a) no third-party advertising is permitted to be displayed on the subject hoarding/ fencing; and (b) the construction site manager must be responsible for the removal of all graffiti from any construction hoardings or the like within the construction area within 48 hours of its application.		**Built**								Noted
	No Obstruction of Public Way										
D11	The public way (outside of any approved construction works zone) must not be obstructed by any materials, vehicles, refuse, skips or the like, under any circumstances.		Built								Noted
	Construction Noise Limits										
D12	The development must be constructed to achieve the construction noise management levels detailed in the Interim Construction Noise Guideline (DECC, 2009). All feasible and reasonable noise mitigation measures must be implemented and any activities that could exceed the construction noise management levels must be identified and managed in accordance with the management and mitigation measures identified in the approved Construction Noise and Vibration Management Plan.		**Built**	**EMM \ RAPT**							Noted
D13	The Applicant must ensure construction vehicles (including concrete agitator trucks) do not arrive at the site or surrounding residential precincts outside of the construction hours of work outlined under condition D4.		**Built**								Noted
D14	The Applicant must implement, where practicable and without compromising the safety of construction staff or members of the public, the use of 'quackers' to ensure noise impacts on surrounding noise sensitive receivers are minimised.		**Built**								Noted
	Vibration Criteria										
D15	Vibration caused by construction at any residence or structure outside the site must be limited to: (a) for structural damage, the latest version of DIN 4150-3 (1992-02) Structural vibration - Effects of vibration on structures (German Institute for Standardisation, 1999); and (b) for human exposure, the acceptable vibration values set out in the Environmental Noise Management Assessing Vibration: a technical guideline (DEC, 2006) (as may be updated or replaced from time to time).		**Built**	**EMM \ RAPT**							Noted
D16	Vibratory compactors must not be used closer than 30 metres from residential buildings unless vibration monitoring confirms compliance with the vibration criteria specified in condition D15.		**Built**								Noted
D17	The limits in conditions D15 and D16 apply unless otherwise outlined in a Construction Noise and Vibration Management Plan, approved as part of the CEMP required by condition C11 of this consent.		**Built**	**EMM**							Noted
	Tree Protection										
D18	For the duration of the construction works: (a) street trees, with the exception of the one nominated street tree approved for removal to accommodate the new driveway crossover, must not be trimmed or removed unless it forms a part of this development consent or prior written approval from Council is obtained or is required in an emergency to avoid the loss of life or damage to property; (b) all street trees to be retained must be protected at all times during construction. Any tree on the footpath, which is damaged or removed during construction due to an emergency, must be replaced, to the satisfaction of Council; (c) all trees on the site that are not approved for removal must be suitably protected during construction as per recommendations of the Aboricultural Impact Assessment Report dated 17 November 2019 and prepared by Joseph Pidutti Consulting Arborist; and (d) if access to the area within any protective barrier is required during the works, it must be carried out under the supervision of a qualified arborist. Alternative tree protection measures must be installed, as required. The removal of tree protection measures, following completion of the works, must be carried out under the supervision of a qualified arborist and must avoid both direct mechanical injury to the structure of the tree and soil compaction within the canopy or the limit of the former protective fencing, whichever is the greater.		**Built**								Closed
	Air Quality										
D19	The Applicant must take all reasonable steps to minimise dust generated during all works authorised by this consent.		**Built**								Noted
D20	During construction, the Applicant must ensure that: (a) exposed surfaces and stockpiles are suppressed by regular watering; (b) all trucks entering or leaving the site with loads have their loads covered; (c) trucks associated with the development do not track dirt onto the public road network; (d) public roads used by these trucks are kept clean; and (e) land stabilisation works are carried out progressively on site to minimise exposed surfaces.		**Built**								Noted
	Erosion and Sediment Control										
D21	All erosion and sediment control measures must be effectively implemented and maintained at or above design capacity for the duration of the construction works and until such time as all ground disturbed by the works have been stabilised and rehabilitated so that it no longer acts as a source of sediment. Erosion and sediment control techniques, as a minimum, are to be in accordance with the publication Managing Urban Stormwater: Soils & Construction (4th edition, Landcom, 2004) commonly referred to as the 'Blue Book'.		**Built**								Noted
	Imported Soil										
D22	The Applicant must: (a) ensure that only VENM, ENM, or other material approved in writing by EPA is brought onto the site; (b) keep accurate records of the volume and type of fill to be used; and (c) make these records available to the Certifier upon request.		**Built**								Noted
	Disposal of Seepage and Stormwater										
D23	Adequate provisions must be made to collect and discharge stormwater drainage during construction of the building to the satisfaction of the principal Certifier. The prior written approval of Council must be obtained to connect or discharge site stormwater to Council's stormwater drainage system or street gutter.		**Built**								Noted
	Unexpected Finds Protocol - Aboriginal Heritage										
D24	In the event that surface disturbance identifies a new Aboriginal object, all works must halt in the immediate area to prevent any further impacts to the object(s). A suitably qualified archaeologist and the registered Aboriginal representatives must be contacted to determine the significance of the objects. The site is to be registered in the Aboriginal Heritage Information Management System (AHIMS) which is managed by EES Group and the management outcome for the site included in the information provided to AHIMS. The Applicant must consult with the Aboriginal community representatives, the archaeologists and EES Group to develop and implement management strategies for all objects/sites. Works shall only recommence with the written approval of EES Group.		**Built**	**AMAC**							Noted
	Unexpected Finds Protocol - Historic Heritage										
D25	If any unexpected archaeological relics are uncovered during the work, then all works must cease immediately in that area and the NSW Heritage Division contacted. Depending on the possible significance of the relics, an archaeological assessment and management strategy may be required before further works can continue in that area. Works may only recommence with the written approval of the NSW Heritage Division.		**Built**	**AMAC**							Noted
	Waste Storage and Processing										
D26	All waste generated during construction must be secured and maintained within designated waste storage areas at all times and must not leave the site onto neighbouring public or private properties.		**Built**								Noted

	SSD 9787 - FINAL CONDITIONS | SCHEDULE 2 MATRIX	Responsibility		Relevent Consultant/s	Date Addressed	Cost Implication	Time Implication	CC # 1	CC # 2	CC # 3	Status
		Owner	Contractor								
D27	All waste generated during construction must be assess, classified and managed in accordance with the Waste Classification Guidelines Part 1: Classifying Waste (EPA, 2014).		**Built**								Noted
D28	The Applicant must ensure that concrete waste and rinse water are not disposed of on the site and are prevented from entering any natural or artificial watercourse.		Built								Noted
	Independent Environmental Audit										
D29	Proposed independent auditors must be agreed to in writing by the Planning Secretary prior to the preparation of an Independent Audit Program or commencement of an Independent Audit.										Closed - GHD appointed & endorsed
	[i] Notification of independent auditors to be given to the Planning Secretary and agreed to - relates to environmental aspects of construction	**Nihon**	**Built**	**Azusa | dwp**							
D30	Prior to the commencement of construction, an Independent Audit Program prepared in accordance with the Independent Audit Post Approval Requirements (Department 2018) must be submitted to the Planning Secretary and the Certifier.										Closed - dwp issued
	[i] Independent audit program prepared and submitted to Planning Secretary and the Certifier	**Nihon**	**Built**	**Azusa | dwp**							
D31	Table 1 of the Independent Audit Post Approval Requirements (Department 2018) is amended so that the frequency of audits required in the construction phase is: (a) an initial construction Independent Audit must be undertaken within eight weeks of the notified commencement date of construction; (b) a subsequent Independent Audit of construction must be undertaken no later than six months from the date of the initial construction Independent Audit; and In all other respects Table 1 remains the same. The Planning Secretary may require the initial and subsequent Independent Audits to be undertaken at different times to those specified above, upon giving at least 4 weeks notice to the applicant of the date upon which the audit must be commenced.										Noted, Initial Audit undertaken 26/02/20 with final report issued by GHD on 26/03/20. Follow up audit scheduled for end of August '20
	[i] Audit program linked to construction dates	**Nihon**	**Built**	**Azusa | dwp**							
D32	Independent Audits of the development must be submitted to the Planning Secretary and must be carried out in accordance with: (a) the Independent Audit Program submitted to the Planning Secretary and the Certifier under condition D30 of this consent; and (b) the requirements for an Independent Audit Methodology and Independent Audit Report in the Independent Audit Post Approval Requirements (Department 2018).										Noted
	[i] Independent audits must be submitted to the Planning Secretary and the Certifier	**Nihon**	**Built**	**Azusa | dwp**							
D33	Requirements (Department 2018), the Applicant must: (a) review and respond to each Independent Audit Report prepared under condition D30 of this consent; (b) submit the response to the Planning Secretary and the Certifier; and (c) make each Independent Audit Report and response to it publicly available 60 days after submission to the Planning Secretary and notify the Planning Secretary and the Certifier in writing at least seven days before this is done.										Noted
	[i] Response required to each independent audit - Planning Secretary and the Certifier notified	**Nihon**	**Built**	**Azusa | dwp**							
D34	Notwithstanding the requirements of the Independent Audit Post Approval Requirements (Department 2018), the Planning Secretary may approve a request for ongoing annual operational audits to be ceased, where it has been demonstrated to the Planning Secretary's satisfaction that an audit has demonstrated operational compliance.	Note	Note								Noted

NB Rows for post PC hidden above

Urgently required - holding up CC\OC

Closed out & complete

In progress or required for future CC stage

Note with no further actions required

Appendix H - April 2020 Waste Recovery Reports

CENTRAL WASTE STATION

DRUMDERG SERVICES

NIHON UNIVERSITY

RESOURCE RECOVERY REPORT

APRIL 2020

Towards a Sustainable Future

1800 180 180
centralwaste.com.au
info@centralwaste.com.au
8 Styles Street
Kurri Kurri NSW 2327

BN: 44 604 989 433 |Environmental Protection Licence Number: 13013

AS/NZS 4801 - OHS MANAGEMENT
ISO 9001 - QUALITY MANAGEMENT
ISO 14001 - ENVIRONMENTAL MANAGEMENT

1. OVERVIEW

High recovery rates for April 2020 have been achieved, particularly given the high amounts of heavy materials such as concrete/bricks from Building A's main structure and steel from reinforcement systems to the structure. C&D materials for this month which were placed into bins typically included a mixture of mainly wood/timber, scrap metals, gyprock, etc. processed at our Resource Recovery Facility, offering a very high level of recoverability.

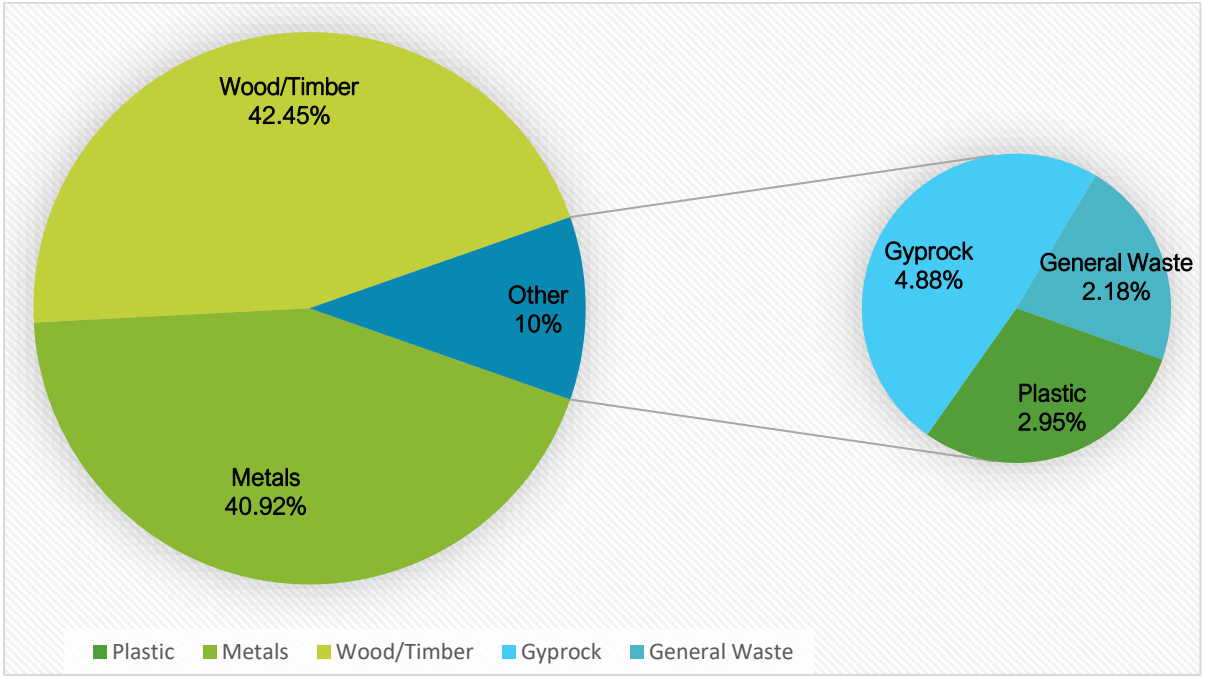
Materials were free of contamination by food or other organic matter which assists in recovery rates, however, non-recoverable/difficult material such as carpets, some plastics, etc. were found and disposed of as per local regulations.

2. CWS - RECOVERABLE MATERIALS MONTHLY BREAKDOWN

Breakdown of resources recovered, transported and processed at Central Waste Station's Resource Recovery Facility.

MONTHLY BREAKDOWN	
Total Amount Received (Tonnes)	24.78
Total Recovered (Tonnes)	22.60
Total Recovery Percentage	91.20%

RESOURCE TYPE	TONNES RECOVERED	PERCENTAGE
WOOD/TIMBER	10.52	42.45%
METALS	10.14	40.92%
PLASTICS	0.73	2.95%
GYPROCK	1.21	4.88%
GENERAL WASTE (NON RECYCLABLE)	2.18	8.80%



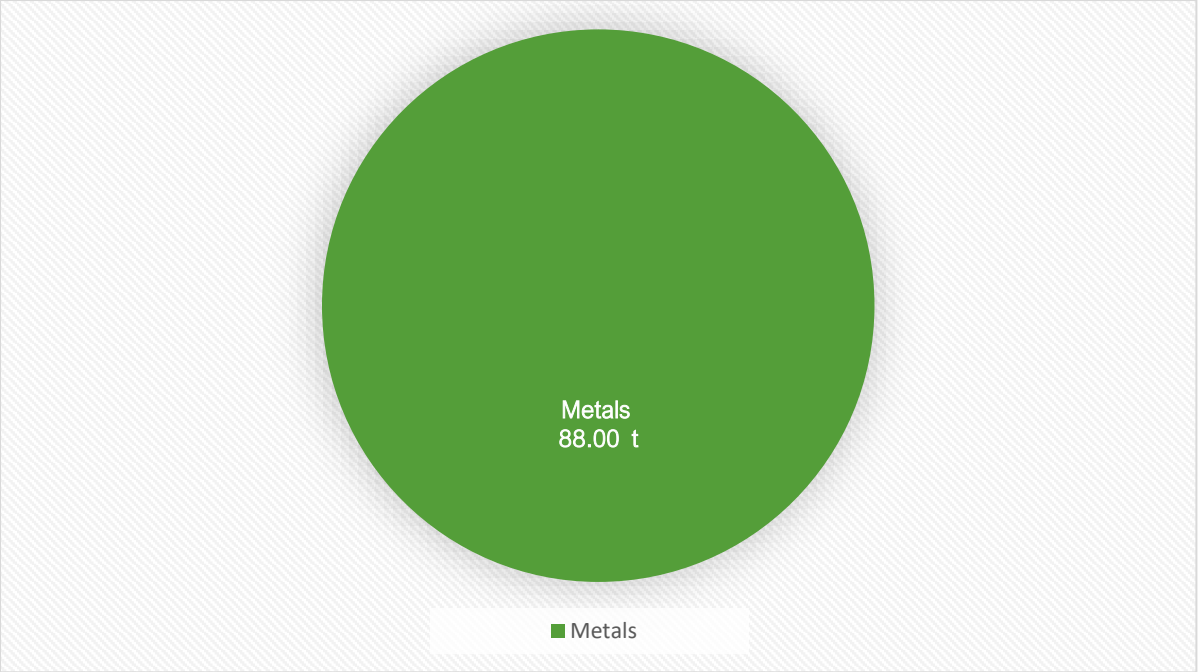
3. OTHER FACILITIES - RECOVERABLE MATERIALS MONTHLY BREAKDOWN

Breakdown of resources recovered, transported and processed at local material specific recycling facilities to achieve full recyclability. These include:

- Metals – Sell & Parker
- Metals – Weston Aluminium

MONTHLY BREAKDOWN	
Total Amount Received (Tonnes)	88
Total Recovered (Tonnes)	88
Total Recovery Percentage	100%

RESOURCE TYPE	TONNES RECOVERED
METALS	88.00



4. TOTAL EXPORTED MATERIALS MONTHLY BREAKDOWN (INCLUDING NON-RECYCLABLES)

A summary of all materials exported from site by Drumderg throughout the month of April, including special/difficult waste such as asbestos, has been including in the following table and graphic.

Disposal dockets and respective EPA consignments have been attached to this document.

RESOURCE TYPE	TONNES
C&D RECOVERED MATERIALS	110.60
C&D NON RECOVERABLE	2.18
ASBESTOS WASTE	2.54
ASBESTOS SOILS	1138.94

