PROJECT: NIHON UNIVERSITY NEWCASTLE CAMPUS

Monthly Project 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
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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
PCG Report 05	Ben Moss	29.05.2020	May 2020
PCG Report 06	Ben Moss	26.06.2020	June 2020
PCG Report 07	Ben Moss	31.07.2020	July 2020
PCG Report 08	Ben Moss	29.08.2020	August 2020
PCG Report 09	Ben Moss	26.09.2020	September 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 two existing three storey buildings, site remediation (including the management of any resultant contamination, mine workings, and/or archaeological findings), the restoration and refurbishment of the retained and state heritage listed Newcastle Courthouse building, and the construction of two new four storey buildings comprising student accommodation in the eastern building and teaching space\carpark in the western building.

2. Project Details

Date of Site Report: 26th September 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

During the reporting period of September 2020, HSE performance was excellent overall with a single MTI / NDI and minor FA incident occurring with corrective actions quickly implemented and communicated to the project team and site personnel for sharing of knowledge and lessons learned. There were no environmental incidents during the reporting period and control measures are being regularly implemented and monitored to ensure compliance with project requirements.

Due to the concrete structure works now being well underway across both Building A (Education) and Building C (Residential), there has been a sharp increase in labour and plant activity onsite requiring all stakeholders to maintain a high level of communication and coordination to ensure activities are conducted safely and efficiently.

Now that site activity has increased, an HSE Consultative Committee consisting of peer-elected subcontractor representatives has been established. The committee meets weekly to discuss HSE issues and conducts a site inspection of the project which involves consultation with workers on any concerns they may have regarding HSE. This consultative process, along with Built's ongoing HSE procedures, provides an additional opportunity for potential HSE issues to be identified and mitigated.

A summary of HSE issues for the reporting period 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
01.09.2020	**Medical Treatment Injury / Notifiable Dangerous Incident** The Post-tension subcontractor was completing initial stress and has received a foreign body in the forearm believed to be a small piece of rubber from a hydraulic hose. The worker received first aid treatment on-site and was referred for further medical assessment where the foreign body was removed. The worker was assessed as being fit for suitable duties and returned to work the following day. SafeWork NSW was notified of the incident, who advised that additional investigations were not required.	• Hydraulic hoses were replaced on all jacking equipment. • Workers were consulted on the use of equipment including the use of protective sleeves over hose connection points. • Workers were consulted in the correct use of PPE for the task. • Corrective actions and lessons learned communicated to the project team and site personnel.
17.09.2020	**First Aid** Formwork subcontractor had dust blown into their eye during a gust of wind (eye protection was being worn). The worker received first aid treatment on site (flushed eye) and returned to work	• No corrective actions are required.

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 for the reporting period is outlined in Table 2 below.

The Community Liaison Register is attached in **Appendix B**.

Table 2: Community Liaison Summary

DATE OF ISSUE	BRIEF SUMMARY OF ISSUE	RESPONSE / ACTIONS COMPLETED
03.09.2020	**2009-CN019 – Community Notice** Provided HNE with an As-Built documentation package for retention works completed on the adjoining heritage retaining wall along the southern boundary of Nihon University and HNE James Fletcher Hospital.	• No comments / response received.
09.09.2020	**2008-CN009 – Community Query** Engineer inspection of property relating to request by resident on 10.08.2020 regarding potential damage due to vibration.	• The engineer inspected the property on 09/09/20 and reviewed alleged damage against pre-existing condition, noting that most items were existing, whilst the remaining were minor and not captured within the original report. • Built advised that these issues have been noted and would be further assessed at the completion of the post-construction dilapidation survey. • No further response received.
23.09.2020	**2009-CN020 – Community Notice** Construction progress update and advising of upcoming works including additional Hunter Water infrastructure works and road restoration on Church Street.	• Response received regarding continuation of extended working hours in accordance with DPIE Order 2020. Built responded current extended hours will continue unless otherwise revoked by DPIE.

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 (AS/NZS ISO 14001 & AS/NZS ISO 9001:2016 accredited) and SSD-9787 Development Consent Conditions.

Built has engaged a qualified and experienced Acoustic Consultant, RAPT Consulting (RAPT) to conduct noise and vibration monitoring throughout the duration of the project as required by the Construction Noise and Vibration Management Sub-Plan. Built's Project HSE Officer also conducts noise level spot checks on current construction activities, plant, and equipment.

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

Copies of the key monitoring and inspection records as required under SSD-9787 are attached in **Appendix C.**

3.3.1 Internal Audits & Monitoring

This period, a total of 46 HSE site inspections and monitoring activities throughout September 2020 with 27 corrective actions assigned as a result.

The increased number of actions can be attributed to the recent introduction of weekly HSE Committee Process Inspections identifying additional potential hazards on-site. This is a positive reflection of how Built and site personnel collaborate and communicate to ensure HSE hazards are identified and addressed in advance to prevent incidents from occurring.

Table 3 below outlines the total number of activities completed by Built during the reporting period. All activities are completed and recorded electronically using the Built.Safe software platform.

Table 3: Monthly Record of Internal HSE Activities Completed

ACTIVITY	DESCRIPTION	COMPLETED	ACTIONS
Site Inspection	Inspection of the site or specific work areas to identify potential HSE hazards and verify the implementation and effectiveness of management measures.	17	21
Plant Inspection	Inspection of plant and equipment to check it is fit for use prior to being permitted to use onsite or to re-inspect after a significant breakdown, damage, or expiry of a plant induction sticker.	11	0
Monitoring	Used to monitor construction activities compliant with the processes outlined in the Project HSE Management Plans and requirements of development approvals and permits.	16	6
BSMS Review	Review of the implementation and effectiveness of the Built Safe Mandatory Standards (controls) in relation to process risks such as scaffolding, temporary works, demolition, FRP concrete, and asbestos.	1	0
Noise Level Spot Check	Used to monitor noise levels at sensitive receiver locations, specific work areas, construction activities, and plant/equipment.	1	0
Audit – Internal HSE Plan	Used to monitor and measure the implementation of the HSE Plan by the project.	0	0
	TOTAL	**46**	**27**

Key activities completed and those requiring corrective actions to be assigned are summarised in Table 4 below.

Table 4: Summary of Key Internal Activities

DATE OF ACTIVITY	BRIEF SUMMARY OF ACTIVITY	CORRECTIVE ACTIONS COMPLETED
01.09.2020	**Site Inspection** Inspection of Building A – Education site area identified site entry and bin compound was clean, and housekeeping generally okay.	• Skip bin required changing over due to being full. • Bricklaying subcontractor instructed to clean work area.
03.09.2020	**Site Inspection** HSE Committee consultative inspection completed on whole of site including inspection of scaffold, mobile crane, excavations, and site access.	• BLD A - Exposed reinforcement bars capped. • BLD C - Access paths to temporary board cleared. • BLD C - Fire extinguisher installed to Level 1 Stairs. • BLD C – Scaffold subcontractor instructed to tidy work area and store materials correctly.
04.09.2020	**Noise Level Spot Check** Noise monitoring completed from two locations on Church Street and one location at western boundary adjoining James Fletcher Hospital. All noise level results were below the required criteria.	• Nil required.
10.09.2020	**Monitoring** Monitoring of formwork deck installation to BLD C Level 3 identified good work practices including clean work areas, correct PPE, appropriate signage, exclusion zones implemented, and fall / edge protection installed.	• Nil required.
11.09.2020	**Site Inspection** Inspection of whole of site identified; • Work zone & footpaths clean • Traffic control in place and inspections/truck logs maintained • Hoarding in good condition. Project signage in place • Internal access paths clean • Materials stored neatly and housekeeping satisfactory • Scaffold in good condition with current tags • Waste segregation generally in good order • Exclusion zones implemented • Mobile plant inducted and in good condition • Exposed surfaces watered for dust suppression • Sediment control in place and in good condition • Potential Hazards – Falling objects and falls from height	• Danger signage installed to Crane Entry Door. • PVC identified in Steel Only Bin and removed. • Kickboards and screens installed to sections of BLD C scaffold (noted that section was yet to be completed). • Formwork subcontractor advised to ensure handrails to live edges are modified as deck construction progresses. • Caps placed on exposed reinforcement bars.

17.09.2020	**Site Inspection** Site generally clean and tidy, fall protection in place, spotters in place around mobile plant, traffic control implemented, dust suppression on exposed surfaces.	• Nil required.
17.09.2020	**BSMS Review** Built Safe Mandatory Standard review of scaffold completed. It was found that the scaffold is compliant with engineering design and erected by licenced personnel. No actions were raised.	• Nil required.
24.09.2020	**Site Inspection** Inspection of whole of site identified; • Work zone & footpaths clean • Traffic control in place and inspections/truck logs maintained • Hoarding in good condition. Project signage in place • Internal access paths clean • Materials stored neatly and housekeeping satisfactory • Scaffold in good condition with current tags • Waste segregation generally in good order • Exclusion zones implemented • Mobile plant inducted and in good condition • Exposed surfaces watered for dust suppression • Sediment control in place and in good condition • Potential hazards of falling objects, struck by mobile plant, and structural (stripping formwork).	• Temporary electrical tape applied to new power outlet installed to BLD B. • Bricklayer had electrical leads and equipment checked and tagged by electrician as required. • Subcontractors tidied work area to rear of BLD B. • Scaffold screens implemented where required. • No requirement for signage on new temporary electrical board (not connected or in use).

3.3.2 External Audits & Monitoring

The Independent Environmental Audit 02 conducted by GHD was completed on the 25th and 26th August 2020, consisting of interviews with dwp Newcastle and Built project personnel and a site inspection.
GHD issued their final audit report on 22nd September 2020 and an excerpt from the executive summary is shown below:

At the time of the audit, the proponent demonstrated a high level of compliance with the requirements of Development Consent SSD-9787. The proponent has a good understanding of their obligations under the conditions of consent and were implementing environmental management measures to minimise environmental impacts of construction.

A Construction Environmental Management Plan (CEMP) had been prepared for the Development which included the programs and plans developed in accordance with the Development Consent. These plans provide guidance on the management and monitoring tasks as well as the frequency for these to be undertaken on site. Environmental monitoring specified in these plans was being undertaken on site.

Compliance and improvement opportunities were identified related to administrative items including updating management plans to comply with the conditions of consent and ensuring all required project documentation is on the project website.

All non-conformances and recommendations were closed out by 10th September 2020. Dwp Australia intend to formally submit the report to DPIE by the end of September 2020.

3.4 Contract Programme Status

3.4.1 Construction Progress Update

The following construction activities have been completed during the reporting period:

Key Project Milestones:

- Nil this period.

Authority Approvals:

- Nil this period.

Scaffold & Hoardings:

- Erect scaffold to Residential Building – Complete

Structure Works:

- Residential Building – FRP Level 2 Suspended Slab – Complete
- Residential Building – FRP Level 2-3 Walls & Columns – Complete
- Residential Building – FRP Level 3 Suspended Slab – Complete
- Residential Building – FRP Level 3-4 Walls & Columns – Complete
- Education Building – FRP Footings – Complete
- Education Building – FRP Lift Pit – Complete
- Education Building – FRP Level 1-2 Walls & Columns – Complete
- Education Building – Load Bearing Masonry/Blockwork – Complete
- Education Building – FRP Level 1 Ground Slab – Complete
- Education Building – Inground Services – Complete
- Heritage Building – FRP Level 1 Stairs & Connections - Complete

3.4.2 Current Construction Activities

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

Building A – Education

- FRP Level 2 Suspended Slab – 10%

Building B – Heritage

- Structural Repairs & Carpentry – 90% complete
- Level 1 Rough In Services – 90% complete
- Level 2 Rough In Services – 25% complete
- Level 3 Rough In Services – 5%
- Level 1 Framing Walls & Ceilings – 30%
- Level 2 Framing Walls & Ceilings – 20%

Building C – Residential

- FRP Level 4 Suspended Slab – 20%
- Erection of Perimeter Scaffold (Level 4-Roof) – 80%
- Level 1-2 Stripping Formwork & Back Propping Install – 50%

3.4.3 Upcoming Construction Activities (October 2020)

The following construction activities outlined below are expected to commence in October 2020:

Building A – Education

- FRP Level 2 Suspended Slab – target completion 13/10/2020
- FRP Level 2-3 Walls & Columns – target completion 21/10/2020

Building B – Heritage

- Structural Repairs to Levels 2, 3, & 4 – Ongoing
- Rough In Services to Levels 1, 2, & 3 – Ongoing
- Waterproofing External Walls - Ongoing
- Partitions (Walls & Ceilings) to Levels 1 & 2 – Ongoing
- Northern & Eastern Façade (Repairs & Painting)

Building C – Residential

- FRP Level 4 Suspended Slab – target completion 16/10/2020
- FRP Level 4-Roof Walls & Columns – target completion 20/10/2020
- Level 2-3 Strip & Back Propping – target completion 23/10/2020
- FRP Roof Suspended Slab – target completion 31/10/2020
- Level 1 Façade (External Framing & Sarking)
- Level 1 Façade (Level 1-2 Blockwork)
- Level 1 High Level Services Install (Fire, Hydraulic, Mechanical, Electrical)
- Level 1 Framing Internal Partitions
- Level 2 Façade (External Framing & Sarking)

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) City of Newcastle approval process for Section 138 application for Public Domain Works.
b) The extent of termite and water damage within the Heritage Courthouse.
c) COVID-19 global pandemic potential risk to construction activities and procurement.
d) Additional Archaeological investigations within areas yet to be excavated.
e) Risk of existing services within the Public Domain potentially affected by Section 138 Works.
f) Existing fibre optic cable located beneath Building C driveway may need to be relocated deeper to allow for the required civil works.
g) Registration of Stormwater and Ausgrid Easements.
h) Hunter Water trunk main tee and valve removal works.
i) Additional changes to design affecting completed works, structure, and services.

3.4.5 Statused Contract Programme

A copy of the statused Contract Programme for September 2020 is attached in **Appendix D.**

3.4.6 Four Weekly Look Ahead

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

3.5 Progress Photos

Progress photos were taken throughout September 2020 and are attached in **Appendix F.**

3.6 Design Update

3.6.1 Architectural

- Architectural drawings continue to be updated following minor amendments, closeout of services coordination, and onsite issues.
- Design for Roof Safety System has been approved pending confirmation from a slate roofer that anchor detail can be achieved with this roof.
- Window detail has been finalised. Alternative window suites have been submitted and approved.
- The signage brief has been prepared and reviewed by dwp and Azusa. Nihon currently reviewing and will provide comments and signage styles on 28/09/20. A brief will then be sent to four graphic designers for their proposals.
- Nihon has requested a number of changes to the design, such as a revised layout for the courtyard between Education and Heritage, swapping locations of the Teachers Room and Heritage Room and instruction has been received to proceed with these.

3.6.2 Structural & Civil

- Formwork shop drawings have been received for both buildings up to Roof Level.
- Post Tension shop drawings have been received Residential Building up to Roof Level and Education Building up to Level 3.
- A structural report has been prepared by Northrop for review by Azusa structural engineers.

3.6.3 Hydraulic Services

- Nihon and Azusa forwarded a list of technical queries which have been responded to and are now with Azusa Engineers for review.

3.6.4 Electrical Services

- Electrical shop drawings have been received for the Dry Fire and the Main Switchboard.
- Alternative external light fitting datasheets, lux plots and renders demonstrating compliance with AS1157 and AS4828 have been submitted and approved. Samples will arrive in the last week of September.
- Alternative internal light fitting data sheets have been submitted for review and approval.

3.6.5 Mechanical Services

- Shop drawings have been approved for Heritage plant rooms and submitted for the Residential Building.
- Nihon and Azusa forwarded a number of technical queries which have been responded to and are now with Azusa Engineers for review.

3.6.6 Fire Services

- Combined fire sprinkler and hydrant shop drawings are currently under review.

3.6.7 Fire Engineering

- Built has engaged a passive fire engineer to review all fire-rated penetrations and products proposed to be used. The consultant will prepare a fire penetration register in accordance with this review and conduct site inspections throughout construction.

3.6.8 Green Star

- There have been no updates to the Green Star Pathway design items during this reporting period, therefore this document has not been attached in **Appendix G.**

3.6.9 Shop Drawings

- Shop drawing reviews and approvals are progressing through Aconex Workflow. A status of the workflows that are completed and in progress is attached in **Appendix H.**

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 I.**

3.7.2 City of Newcastle

- Cardno and Moir submitted updated S138 drawings that have been submitted to Council. Council is currently reviewing and will provide a response shortly however they have advised that there will be design changes.

3.7.3 Ausgrid

- Lawyers have been approved by Nihon for the Easement Deed and ADW Johnson has been engaged to carry out a survey for the Deed.
- Power Design is currently revising their documentation to consider revised RL's due to S138 and existing infrastructure.
- Revised load slip calculations have been requested from Ausgrid based on larger kiosk size.

3.7.4 Jemena

- Jemena has confirmed that the existing gas lines in the footpath will not be affected by the s.138 works.

3.7.5 Hunter Water

- Hunter Water sewer works are complete except for the infill of the pit manhole as it is a cast-in lid. This will be completed when the new concrete driveway is constructed.
- A flow rate test was carried out on the upgraded water main. An additional test utilising two to three existing street hydrants is required to resolve whether the flow is sufficient for compliance reasons.
- The existing 100mm diameter tee & valve hydrant connection to the 375mm diameter HWC trunk main has been identified. This connection was not detailed on the Hunter Water drawings and was only discovered by the plumber when they tried to remove the existing hydrant and found it was still active. Hunter Water has instructed that the existing tee and valve must be removed. Built currently preparing price for plumbers' scope to excavate and expose the 100mm diameter pipe and connection, and then backfill and restore the road surface. Hunter Water will carry out the removal of the tee and valve connection.

3.7.6 NBN & TPG

- No updates to report this month.

3.7.7 SANSW

- No updates to report this month.

3.7.8 Principal Certifying Authority

- An amended Construction Certificate has been issued to capture the updates to the fire engineering report and the use of alternative cladding product (Alpolic).

3.8 Outstanding RFIs

(Generated from Aconex)

RFI Register							
Mail No.	**Subject**	**Sent**	**From (Company)**	**To (Company)**	**Status**	**Comments / Actions**	**Discipline**
BUILT-RFI-000453	Outstanding structural items	5/08/2020	Built	Northrop	Responded	Northrop to update structural steel details for atrium stairs - Query about use of timber as combustible material	Structural
BUILT-RFI-000468	Roof Access Proposal	10/08/2020	Built	dwp	Responded	Design being finalised	Architectural
BUILT-RFI-000528	Chimney Strengthening Works	26/08/2020	Built	Cardno	Responded	Design to be revisited - Drone footage of chimney's taken on Friday to assist	Structural
BUILT-RFI-000543	Signage Mark Up for Brief	2/09/2020	Built	dwp	Outstanding	Proposal for signage	Architectural
dwp AU-RFI-000205	Sample request - RW01 & RW02	7/09/02020	dwp	Built	Responded	Small 100 x 100 samples of honed / polished blocks with ironed joints	Architectural
dwp AU-RFI-000207	Follow-up items from today's catch-up with Jun [Azusa Sekkei]	15/09/2020	dwp	Built	Responded	Built has provided responses to some queries. Further queries have been raised.	Architectural
BUILT-RFI-000586	Proposed door hardware schedule	16/09/2020	Built	dwp	Outstanding	Door schedule sent for review and approval	Architectural
dwp AU-RFI-000209	Structural Engineering Calculations	17/09/2020	dwp	Built	Outstanding	Engineering calculations	Structural
BUILT-RFI-000595	Request for structural calculations	17/09/2020	Built	Northrop	Outstanding	Client has requested a report / calculation for the structural design. They have raised concern with the column sizes. Northrop to provide fee proposal for detailed report	Structural
BUILT-RFI-000598	Proposed smoke seals	18/09/2020	Built	Design Confidence	Responded	Smoke seals proposed are not acceptable. Seals need to be affixed to the door leaf. Built to seek alternative	Architectural

RFI Register							
BUILT-RFI-000599	Fire Rated Riser in Level 2 Heritage Building	18/09/2020	Built	Design Confidence	Outstanding	Fire rated riser to heritage building not required to be amended. -FER does not required to be amended.	Structural
BUILT-RFI-000604	Noggings for Client Supplied Equipment	18/09/2020	Built	dwp	Outstanding	dwp to confirm if any additional client supplied equipment requires noggings other than documented on RLS drawings	Architectural
BUILT-RFI-000615	Building Names and Room Labelling	22/09/2020	Built	dwp	Outstanding	Building Names and Room Labelling	Architectural
BUILT-RFI-000620	Facade Paint Samples	23/09/2020	Built	dwp	Responded	Paint samples clarification	Architectural
BUILT-RFI-000622	Updated FFE schedule quantities list & untagged outdoor furniture confirmation	24/09/2020	Built	dwp	Outstanding	Updated FFE schedule quantities list & untagged outdoor furniture confirmation	Architectural
BUILT-RFI-000623	EDUCATION BUILDING - Queries on FFE Quantities	24/09/2020	Built	dwp	Outstanding	EDUCATION BUILDING - Queries on FFE Quantities	Architectural
BUILT-RFI-000624	Fwd: 2020.09.22-Roof-Residential NL192317_S-C-06.05(1)	24/09/2020	Built	Arcadia	Responded	2020.09.22-Roof-Residential NL192317_S-C-06.05(1)	Structural
BUILT-RFI-000625	Residential Building - Furniture Quantities	24/09/2020	Built	dwp	Outstanding	Residential Building - Furniture Quantities	Architectural

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.

Central Waste will issue monthly Waste Recovery Reports to Built specifically for this project. These reports are **attached in Appendix J**.

For the month of September 2020, the Waste Recovery Percentage was **91.39%**

4. Appendices

Appendix A – Monthly HSE Incident Register

Appendix B – Community Liaison Register

Appendix C – Audit Records

Appendix D – Statused Contract Programme

Appendix E – Four Week Programme

Appendix F – Monthly Progress Photos

Appendix G - Green Star Pathway Status

Appendix H – Workflow Status

Appendix I – Statused SSD-9787 Conditions Matrix

Appendix J – Monthly Waste Recovery Reports

Appendix A – Monthly HSE Incident Register

Monthly HSE Incident Register

Built.

Project: Nihon University

Sep-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*
May-20	7700	0	0	0	1	0	1*
Jun-20	7100	3	0	0	0	0	0
Jul-20	10820	0	0	0	0	0	0
Aug-20	11180	0	0	0	0	0	1*
Sep-20	11850	1	1	0	0	1	0
TOTALS:	**68330**	**4**	**2**	**0**	**2**	**1**	**13**

Appendix B – Community Liaison Register

Community Liaison Register

Built.

Project: Nihon University

Complaints Register

Last Updated: 25/09/20

REF ID	DATE / TIME RECEIVED	RECEIVED FROM	DESCRIPTION	DATE / TIME RESPONDED	RESPONSE BY	DESCRIPTION	CLOSED (Y / N)
2001-CC001	21/01/2020 1:20pm	TW (JFH Employee)	Concerned about removal of trees at Southern Boundary & wildlife. Works at James Fletcher Hospital.	22/01/2020 9:00am	BM	Phoned TW 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	TL (Resident)	Notified Built via email of cracks appearing within his property 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 TL to further discuss the issue raised. An inspection of the property has been arranged for 3:00pm 28/02/2020 with TL, Built Project Manager and Structural Engineer who completed initial Pre-Construction Dilapidation Report. Follow up email sent to TL at 5:26pm confirming details of phone complaint and inspection. Inspection Report submitted to TL 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	JL (Resident)	Noise complaint received via phone call to Construction Manager RM regarding noise prior to approved construction hours.	09/03/2020 1:58pm	BM	Built contacted JL on her mobile number to discuss the issue. JL 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 JL's neighbour MH, 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	TL (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 the Resident 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 the residence between 13/03/2020 & 20/03/2020. Built issued Vibration Monitoring Report to the Resident 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, NH (Corporate Services Manager - Hunter New England Health) to discuss the complaint. NH 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	JB & CG (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	JB & CG (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	JB & CG (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	KD (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	CT (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	JB & CG (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	KD (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	MW (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

2004-CC014	28/04/2020 2:42pm	NH (HNE)	Email correspondence received from HNE advising of internal complaints related to vibration causing activities and requesting information on construction monitoring activities and methodology mentioned within Community Notice (2004-CN011) Construction Progress Update 02.	28/04/2020 3:53pm	BM	Built responded via email advising of the current site activities and their expected completion date of 1st May and that previous monitoring had demonstrated compliance. Built also advised that vibration monitors had been collected on 28/04/20 and that the monitoring report would be submitted to HNE for transparency and their records. Built submitted the monitoring report to HNE on 01/05/2020 showing that the acceptable vibration dose levels for intermittent vibration related to human comfort had not been exceeded. No further issues raised.	Y
2005-CC015	21/05/2020 5:52am	BC (Resident)	Email sent to Built Design Manager regarding noise when site personnel are arriving to site in the morning around 6:30am to 7:00am. Complaint specifically mentions noise generated by individuals talking as walking past the residence.	22/05/2020 3:38pm	BM	Email response sent advising of construction hours commencing at 7:00am and that Built would reinforce the need to be mindful of neighbours when arriving onsite of a morning. Resident responded with no further issues.	Y
2008-CC016	25/08/2020	HNE JFH	Received email from HNE JFH Corporate Services Manager regarding update on works currently occurring onsite due to receiving internal correspondence the previous week regarding jackhammering.	25/08/2020	BM	Built PM provided update of construction progress and advised that hand-held jackhammers were being intermittently used during construction of foundations. Works were expected to be completed by 28/08/2020. HNE responded advising of no further issues.	Y

Community Liaison Register

Built.

Project: Nihon University

Notices Register

Last Updated: 25/09/20

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
2005-CN012	15/05/2020	HNE	BM	EMAIL	Notice to HNE James Fletcher Hospital regarding commencement of Temporary Ground Anchor Works to new retaining wall as discussed onsite with HNE, dwp, and Built in March 2020 (REF 2003-CN009) and per the design approved by NSW Public Works (reference email received from N. Halpin on 26/03/2020)	HNE response on 18/05/2020 ensuring HNE Engineering is aware of what is occurring on their property. Built (BM) contacted HNE for phone discussion to clarify and followed up with email on 18/05/2020. No outstanding issues.	Y
2006-CN013	4/06/2020	HWC	BM	MEETING	Pre-Commencement Meeting held onsite at Nihon University with Hunter Water, dwp Australia, Metiri Consultants, Built, and Murphy Plumbing to discuss the upcoming watermain upgrade works.	Hunter Water & Metiri Consultants advised of pre-commencement documentation to be submitted prior to commencing works. All actions closed and approval received.	Y
2006-CN014	5/06/2020	NPS	BM	MEETING/EMAIL	Site Meeting held with Newcastle Police Station to advise of and discuss upcoming road / lane closures on Church Street during Hunter Water works and erection of Tower Crane. Post-meeting, Built submitted the TMPs to NPS for information and comment if required.	No additional feedback / comments received. No further action.	Y
2006-CN015	5/06/2020	ALL	BM	EMAIL	Additional Community Notice issued to residents and businesses advising of Hunter Water Upgrade & Crane Erection works commencing.	Received one query from a resident requesting additional information. Received query from HNE James Fletcher Hospital clarifying if their driveway access would be affected. Built issued a Staging Plan and additional information on the works. No further comments received. No further action.	Y
2006-CN016	24/06/2020	HNE	BM	MEETING	Site Meeting and inspection held with Hunter New England Health, dwp Australia, Built, and Murphy Plumbing to discuss upcoming Sewer Main Upgrade requiring access to HNE property.	HNE granted access permission and requested additional notice prior to commencing works.	Y
2007-CN017	28/07/2020	ALL	BM	EMAIL	Construction Progress Update 03 - General update on progress and upcoming works including concrete pours (and related lane closures) and the 21 day notice for water main connection works.	NIL	Y
2007-CN018	29/07/2020	HNE	AM	EMAIL	Email correspondence with HNE regarding upcoming water main connection and potential disruptions to HNE James Fletcher Hospital.	Ongoing coordination with HNE contacts to ensure water connection does not cause disruption to normal operations. No disruptions to HNE operations & no further issues.	Y

2009-CN019	3/09/2020	HNE	BM	EMAIL	Provided HNE with an As-Built documentation package for retention works completed on the adjoining heritage retaining wall along the southern boundary of Nihon University and HNE James Fletcher Hospital.	No additional feedback / comments received. No further action.	Y
2009-CN020	23/09/2020	ALL	BM	EMAIL	Construction progress update and advising of upcoming works including additional Hunter Water infrastructure works and road restoration on Church Street.	Response received regarding ongoing implementation of DPIE Extended Working Hours Order 2020. Built confirmed extended hours are still ongoing in accordance with the Order and that any changes will be communicated to the community.	Y

Community Liaison Register

Built.

Project: Nihon University	Queries Register	Last Updated: 25/09/20

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	AR	Email received from AR. 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 5:19pm	JS	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	JP	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	KD	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

2005-CQ008	18/05/2020	Newcastle Grammar School	Phone call to Built & follow up email notifying Built that construction vehicles (trucks) were standing in the school drop off/pick-up zone. Noted this was prior to school zone hours and requested an alert to be raised with Built & Subcontractors to ensure no issues moving forward.	19/05/2020 9:24am	OR	Built immediately instructed Subcontractors on 18/05/2020 not to use this zone at any time. Follow up email sent to NGS advising them of action taken and acknowledging concerns. NGS had no further issues.	Y
2008-CQ009	10/08/2020	JP	Emailed Engineer responsible for dilapidation report to note potential cosmetic issues related to 2004-CQ005. Engineer contacted Built PM to advise.	10/08/2020	BM	Built PM contacted the resident via phone call to enquire further and requested photos to forward to Engineer for preliminary review. Resident submitted photos via email on 24/08/2020. Built PM forwarded photos to Engineer and has requested an inspection of the property to investigate further. The engineer inspected the property on 09/09/20 and reviewed alleged damage against pre-existing condition, noting that the majority of items were existing, whilst the remaining were minor and not captured within the original report. Built advised that these issues have been noted and would be further assessed at the completion of the post-construction dilapidation survey. No further comment has been received from the resident.	Y

Appendix C – Audit Records

Site Inspection

Details

Form id	150593
Created at	01/09/2020 by Benjamin Bates
Completed at	01/09/2020
Last modified	23/09/2020 16:17:16 by Benjamin Moss
Status	Complete
Respondent	Benjamin Bates
Division	NSW
Business unit	Newcastle Fitout
Department	
Project	Nihon University Newcastle Campus
Subcontractor	BUILT PTY LIMITED
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 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.*	Building A Check site entry and bin compound. Cleaned at time of inspection Skip bins need to be changed over arranged at time of inspection Bricklayer to clean up work area completed at time of inspection Extra power board requested to be installed 01/09/20

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

ID	First name	Last name	Due date	Date closed	Action description	Status	Last Comment

Actions

Site Inspection

Details

Form id	151040
Created at	03/09/2020 by Michael Louis
Completed at	03/09/2020
Last modified	15/09/2020 15:49:36 by Michael Louis
Status	Complete
Respondent	Michael Louis
Division	NSW
Business unit	Newcastle Fitout
Department	
Project	Nihon University Newcastle Campus
Subcontractor	BUILT PTY LIMITED
Type of Site Inspection	Consultative Process Inspection

Built Attendance

Include the person who is logged in as well.

Name
Michael Louis
Mathew Mitchell

Others in attendance

Subcontractor Name	Persons Name
Oakdale Group Pty Limited	Mark Gusse
MAILEC ELECTRICAL PTY. LIMITED	Daniel diamanté
COLES REFRIGERATION & AIR CONDITIONING PTY LTD	Jack putica
GMT CARPENTRY SERVICES PTY LTD	Peter Gourlie
GERRARD MURPHY (DRAINAGE) PTY LTD	Daniel Jones

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 structure and access
Building B
Building A unground works and cranage

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 scaffold, formwork a, looks for high risk work area such as fall from heights and dropped objects. Check mobile plant

Building A check mobile crane, excavations site access.

- no access to temp board 2
- fire extinguisher required to level 1 scaffold stairs near nurse call
- excess scaffold material to be cleaned up
- stacked scaffold must be not be stored vertically against scaffold
- power required to bubbler building A
- Reo protection required for bars exposed on footings building c.

Site Inspection

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



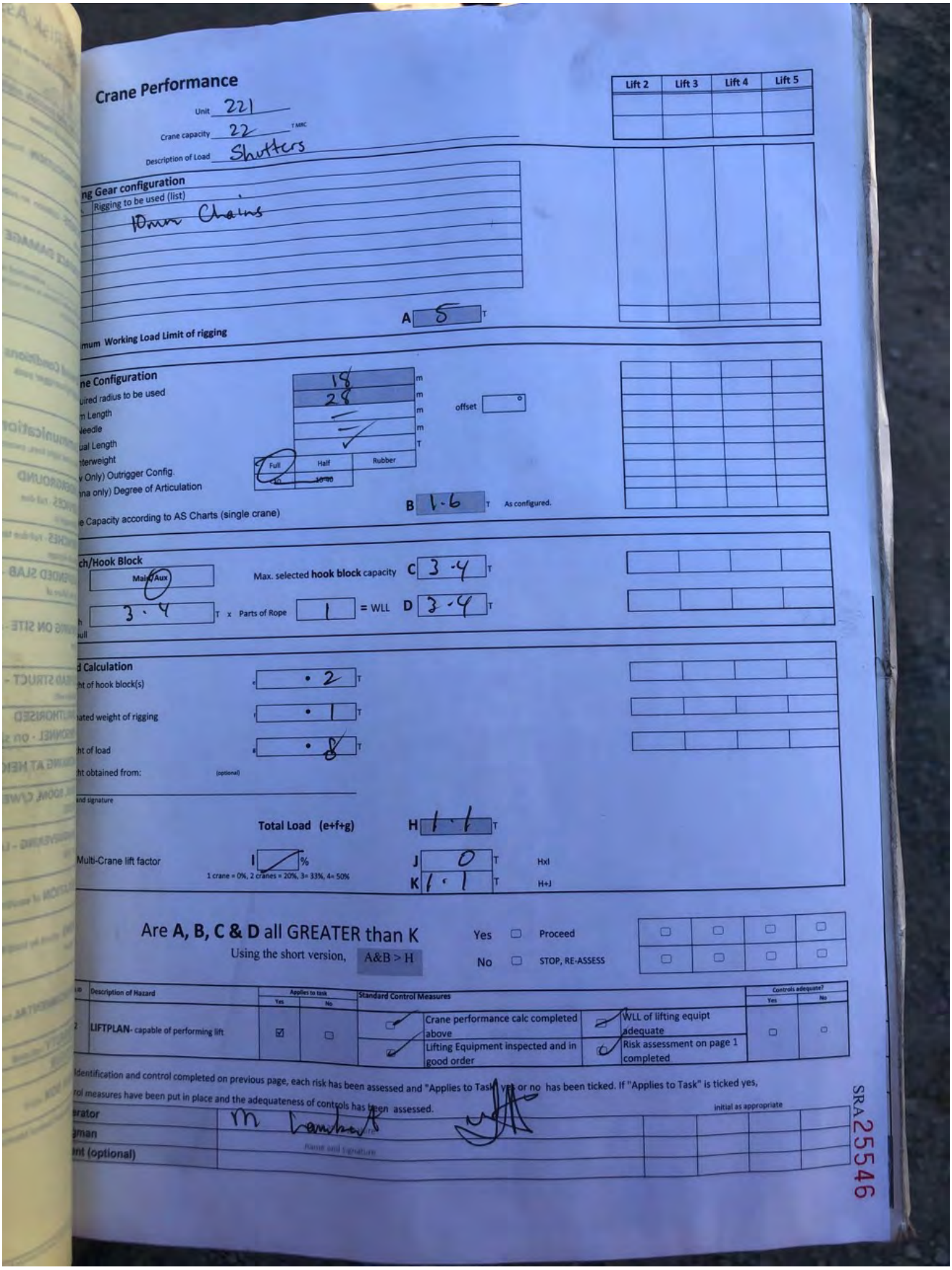
Site Inspection



Site Inspection



Site Inspection



Crane Performance

Unit 221

Crane capacity 22 T MRC

Description of Load Shutters

Lift 2	Lift 3	Lift 4	Lift 5

ng Gear configuration

	Rigging to be used (list)
	10mm Chains

A 5 T

mum Working Load Limit of rigging

ne Configuration

uired radius to be used	18	m
n Length	28	m
Needle		m
ual Length		m
terweight	✓	T
Only) Outrigger Config.	Full / Half / Rubber	
na only) Degree of Articulation		

offset °

e Capacity according to AS Charts (single crane) B 1.6 T As configured.

ch/Hook Block

Main/Aux

Max. selected hook block capacity C 3.4 T

h 3.4 T x Parts of Rope 1 = WLL D 3.4 T

ull

d Calculation

ht of hook block(s) • 2 T

ated weight of rigging • 1 T

ht of load • 8 T

ht obtained from: (optional)

nd signature

Total Load (e+f+g) H 1.1 T

Multi-Crane lift factor I ✓ %

1 crane = 0%, 2 cranes = 20%, 3= 33%, 4= 50%

J 0 T HxI

K 1.1 T H+J

Are **A, B, C & D** all GREATER than K ☐ Yes Proceed

Using the short version, A&B > H ☐ No STOP, RE-ASSESS

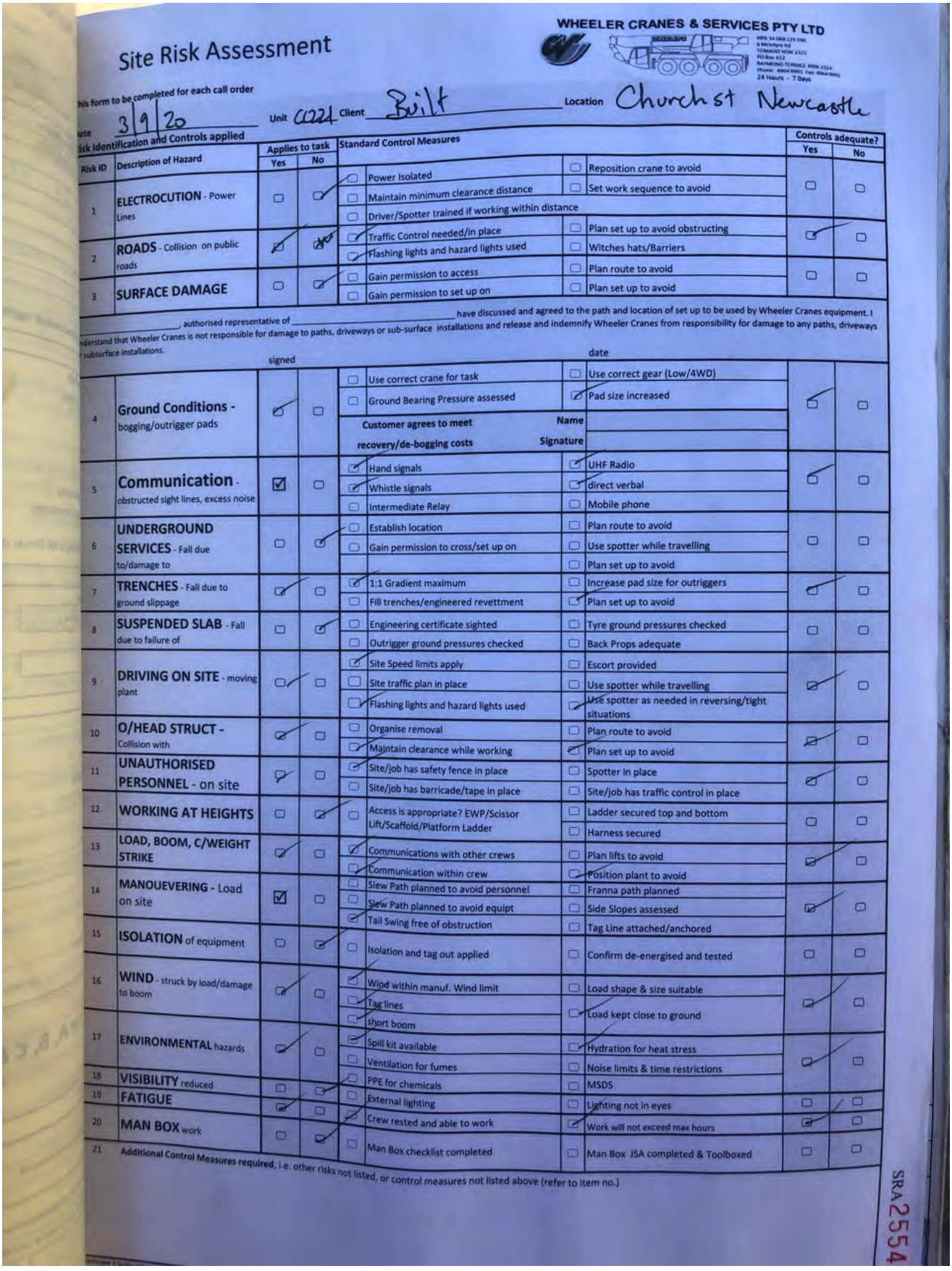
No	Description of Hazard	Applies to task Yes	Applies to task No	Standard Control Measures				Controls adequate? Yes	Controls adequate? No
2	LIFTPLAN- capable of performing lift	☑	☐	✓	Crane performance calc completed above	✓	WLL of lifting equipt adequate	☐	☐
				✓	Lifting Equipment inspected and in good order	✓	Risk assessment on page 1 completed		

dentification and control completed on previous page, each risk has been assessed and "Applies to Task" yes or no has been ticked. If "Applies to Task" is ticked yes, rol measures have been put in place and the adequateness of controls has been assessed.

	Name and Signature	initial as appropriate
erator	M Lambert	
gman		
nt (optional)		

SRA25546

Site Inspection



Site Risk Assessment

WHEELER CRANES & SERVICES PTY LTD

ABN 34 088 229 190
6 McIntyre Rd
TOMAGO NSW 2322
PO Box 453
RAYMOND TERRACE NSW 2324
Phone: 49841991 Fax: 49841992
24 Hours - 7 Days

This form to be completed for each call order

Date 3/9/20 Unit CO224 Client Built Location Church st Newcastle

Risk Identification and Controls applied		Applies to task		Standard Control Measures				Controls adequate?	
Risk ID	Description of Hazard	Yes	No					Yes	No
1	**ELECTROCUTION** - Power Lines	☐	☑	☐ Power Isolated ☐ Maintain minimum clearance distance ☐ Driver/Spotter trained if working within distance		☐ Reposition crane to avoid ☐ Set work sequence to avoid		☐	☐
2	**ROADS** - Collision on public roads	☑	☐	☑ Traffic Control needed/in place ☑ Flashing lights and hazard lights used		☐ Plan set up to avoid obstructing ☐ Witches hats/Barriers		☑	☐
3	**SURFACE DAMAGE**	☐	☑	☐ Gain permission to access ☐ Gain permission to set up on		☐ Plan route to avoid ☐ Plan set up to avoid		☐	☐

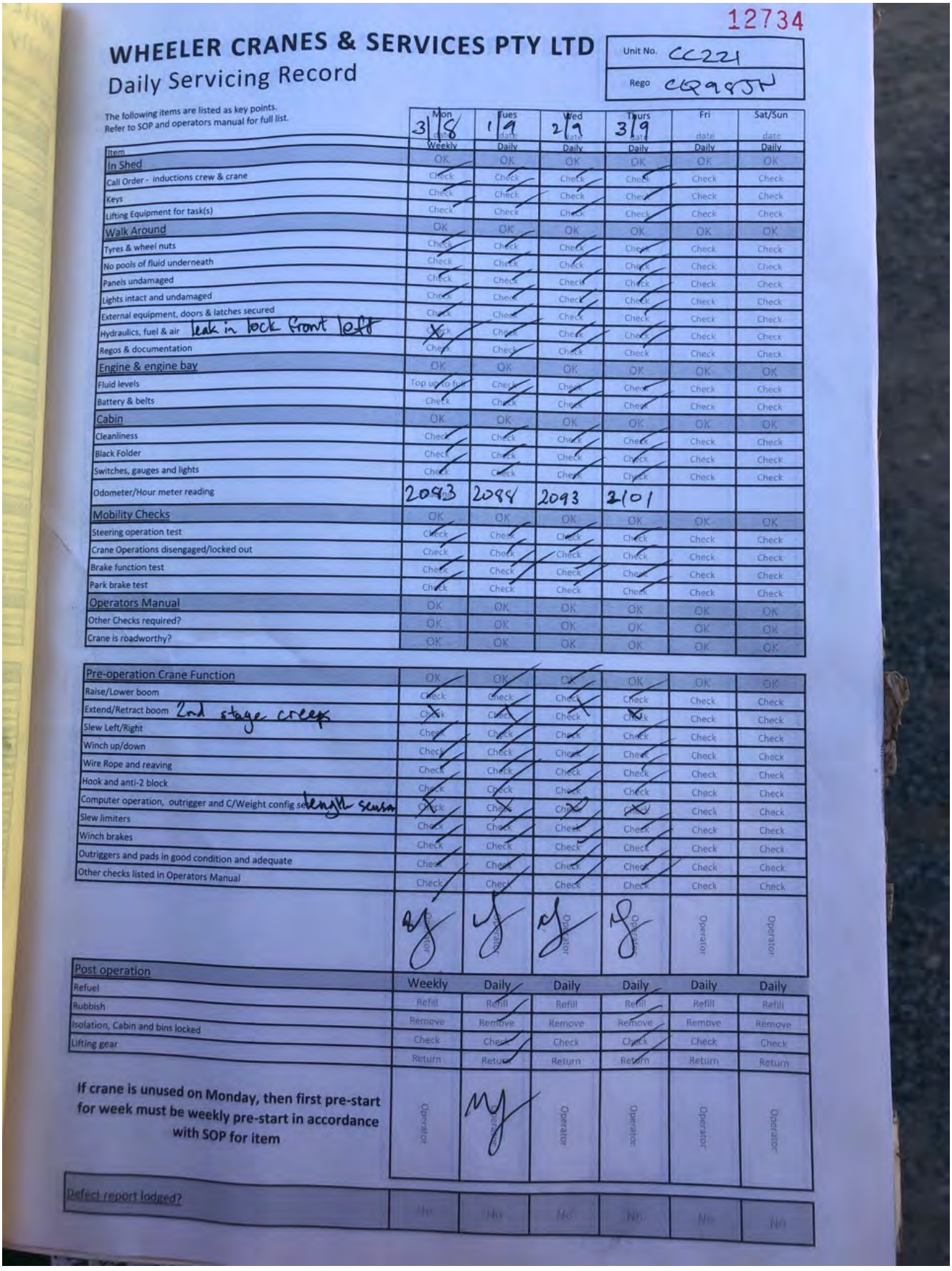
_____, authorised representative of _____ have discussed and agreed to the path and location of set up to be used by Wheeler Cranes equipment. I understand that Wheeler Cranes is not responsible for damage to paths, driveways or sub-surface installations and release and indemnify Wheeler Cranes from responsibility for damage to any paths, driveways or subsurface installations.

signed date

4	**Ground Conditions** - bogging/outrigger pads	☑	☐	☐ Use correct crane for task ☐ Ground Bearing Pressure assessed **Customer agrees to meet recovery/de-bogging costs**		☐ Use correct gear (Low/4WD) ☑ Pad size increased **Name** **Signature**		☑	☐
5	**Communication** - obstructed sight lines, excess noise	☑	☐	☑ Hand signals ☑ Whistle signals ☐ Intermediate Relay		☑ UHF Radio ☑ direct verbal ☐ Mobile phone		☑	☐
6	**UNDERGROUND SERVICES** - Fall due to/damage to	☐	☑	☐ Establish location ☐ Gain permission to cross/set up on		☐ Plan route to avoid ☐ Use spotter while travelling ☐ Plan set up to avoid		☐	☐
7	**TRENCHES** - Fall due to ground slippage	☑	☐	☑ 1:1 Gradient maximum ☐ Fill trenches/engineered revettment		☐ Increase pad size for outriggers ☑ Plan set up to avoid		☑	☐
8	**SUSPENDED SLAB** - Fall due to failure of	☐	☑	☐ Engineering certificate sighted ☐ Outrigger ground pressures checked		☐ Tyre ground pressures checked ☐ Back Props adequate		☐	☐
9	**DRIVING ON SITE** - moving plant	☑	☐	☑ Site Speed limits apply ☐ Site traffic plan in place ☑ Flashing lights and hazard lights used		☐ Escort provided ☐ Use spotter while travelling ☑ Use spotter as needed in reversing/tight situations		☑	☐
10	**O/HEAD STRUCT** - Collision with	☑	☐	☐ Organise removal ☑ Maintain clearance while working		☐ Plan route to avoid ☑ Plan set up to avoid		☑	☐
11	**UNAUTHORISED PERSONNEL** - on site	☑	☐	☑ Site/job has safety fence in place ☐ Site/job has barricade/tape in place		☐ Spotter in place ☐ Site/job has traffic control in place		☑	☐
12	**WORKING AT HEIGHTS**	☐	☑	☐ Access is appropriate? EWP/Scissor Lift/Scaffold/Platform Ladder		☐ Ladder secured top and bottom ☐ Harness secured		☐	☐
13	**LOAD, BOOM, C/WEIGHT STRIKE**	☑	☐	☑ Communications with other crews ☐ Communication within crew		☐ Plan lifts to avoid ☐ Position plant to avoid		☑	☐
14	**MANOUEVERING** - Load on site	☑	☐	☐ Slew Path planned to avoid personnel ☐ Slew Path planned to avoid equipt ☑ Tail Swing free of obstruction		☐ Franna path planned ☐ Side Slopes assessed ☐ Tag Line attached/anchored		☑	☐
15	**ISOLATION** of equipment	☐	☑	☐ Isolation and tag out applied		☐ Confirm de-energised and tested		☐	☐
16	**WIND** - struck by load/damage to boom	☑	☐	☑ Wind within manuf. Wind limit ☐ Tag lines ☐ short boom		☐ Load shape & size suitable ☐ Load kept close to ground		☑	☐
17	**ENVIRONMENTAL** hazards	☑	☐	☑ Spill kit available ☐ Ventilation for fumes		☐ Hydration for heat stress ☐ Noise limits & time restrictions		☑	☐
18	**VISIBILITY** reduced	☐	☐	☐ PPE for chemicals		☐ MSDS			
19	**FATIGUE**	☑	☐	☐ External lighting		☐ Lighting not in eyes		☐	☐
20	**MAN BOX** work	☐	☑	☑ Crew rested and able to work		☑ Work will not exceed max hours		☑	☐
21	**Additional Control Measures required**, i.e. other risks not listed, or control measures not listed above (refer to item no.)			☐ Man Box checklist completed		☐ Man Box JSA completed & Toolboxed		☐	☐

SRA2554

Site Inspection



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WHEELER CRANES & SERVICES PTY LTD

Daily Servicing Record

Unit No. CC221

Rego CQ98JN

The following items are listed as key points.
Refer to SOP and operators manual for full list.

Item	Mon 3/8 date	Tues 1/9 date	Wed 2/9 date	Thurs 3/9 date	Fri date	Sat/Sun date
	Weekly	Daily	Daily	Daily	Daily	Daily
In Shed	OK	OK	OK	OK	OK	OK
Call Order - inductions crew & crane	Check	Check	Check	Check	Check	Check
Keys	Check	Check	Check	Check	Check	Check
Lifting Equipment for task(s)	Check	Check	Check	Check	Check	Check
Walk Around	OK	OK	OK	OK	OK	OK
Tyres & wheel nuts	Check	Check	Check	Check	Check	Check
No pools of fluid underneath	Check	Check	Check	Check	Check	Check
Panels undamaged	Check	Check	Check	Check	Check	Check
Lights intact and undamaged	Check	Check	Check	Check	Check	Check
External equipment, doors & latches secured	Check	Check	Check	Check	Check	Check
Hydraulics, fuel & air leak in lock front left	X	Check	Check	Check	Check	Check
Regos & documentation	Check	Check	Check	Check	Check	Check
Engine & engine bay	OK	OK	OK	OK	OK	OK
Fluid levels	Top up to full	Check	Check	Check	Check	Check
Battery & belts	Check	Check	Check	Check	Check	Check
Cabin	OK	OK	OK	OK	OK	OK
Cleanliness	Check	Check	Check	Check	Check	Check
Black Folder	Check	Check	Check	Check	Check	Check
Switches, gauges and lights	Check	Check	Check	Check	Check	Check
Odometer/Hour meter reading	2093	2084	2093	2101		
Mobility Checks	OK	OK	OK	OK	OK	OK
Steering operation test	Check	Check	Check	Check	Check	Check
Crane Operations disengaged/locked out	Check	Check	Check	Check	Check	Check
Brake function test	Check	Check	Check	Check	Check	Check
Park brake test	Check	Check	Check	Check	Check	Check
Operators Manual	OK	OK	OK	OK	OK	OK
Other Checks required?	OK	OK	OK	OK	OK	OK
Crane is roadworthy?	OK	OK	OK	OK	OK	OK

Pre-operation Crane Function						
	OK	OK	OK	OK	OK	OK
Raise/Lower boom	Check	Check	Check	Check	Check	Check
Extend/Retract boom 2nd stage creep	Check	Check	Check	X	Check	Check
Slew Left/Right	Check	Check	Check	Check	Check	Check
Winch up/down	Check	Check	Check	Check	Check	Check
Wire Rope and reaving	Check	Check	Check	Check	Check	Check
Hook and anti-2 block	Check	Check	Check	Check	Check	Check
Computer operation, outrigger and C/Weight config sel length sensa	X	Check	Check	Check	Check	Check
Slew limiters	Check	Check	Check	Check	Check	Check
Winch brakes	Check	Check	Check	Check	Check	Check
Outriggers and pads in good condition and adequate	Check	Check	Check	Check	Check	Check
Other checks listed in Operators Manual	Check	Check	Check	Check	Check	Check
	Operator	Operator	Operator	Operator	Operator	Operator

Post operation	Weekly	Daily	Daily	Daily	Daily	Daily
Refuel	Refill	Refill	Refill	Refill	Refill	Refill
Rubbish	Remove	Remove	Remove	Remove	Remove	Remove
Isolation, Cabin and bins locked	Check	Check	Check	Check	Check	Check
Lifting gear	Return	Return	Return	Return	Return	Return
If crane is unused on Monday, then first pre-start for week must be weekly pre-start in accordance with SOP for item	Operator	Operator	Operator	Operator	Operator	Operator
Defect report lodged?	No	No	No	No	No	No

Site Inspection



Attachments

- *No file attachments*

Actions Summary

Site Inspection

ID	First name	Last name	Due date	Date closed	Action description	Status	Last Comment
38576	Benjamin	Bates	03/09/2020	15/09/2020	- power to be connected to bubbler - exposes bars to be protected	Closed	
38577	Robbie	Clydesdale	03/09/2020	04/09/2020	- no access to temp board 2 - fire extinguisher required to level 1 scaffold stairs near nurse call - excess scaffold material to be cleaned up - stacked scaffold must be not be stored vertically against scaffold	Closed	- no access to temp board 2 - fire extinguisher required to level 1 scaffold stairs near nurse call - excess scaffold material to be cleaned up - stacked scaffold must be not be stored vertically against scaffold

Site Inspection

Actions

ID: 38576 **Due date:** 2020-09-03 **Status:** Closed

Actionee: Benjamin Bates **Date closed:** 2020-09-15

Action description: - power to be connected to bubbler - exposes bars to be protected





Attachments

- *No file attachments*

ID: 38577 **Due date:** 2020-09-03 **Status:** Closed

Actionee: Robbie Clydesdale **Date closed:** 2020-09-04

Action description: - no access to temp board 2 - fire extinguisher required to level 1 scaffold stairs near nurse call - excess scaffold material to be cleaned up - stacked scaffold must be not be stored vertically against scaffold









Attachments

- *No file attachments*

Noise Level Spot Check Report

Date: 04/09/20

Assessor Name and Position: Michael Louis/HSEC

People Present: Michael Louis

Equipment Used: QM 1598 **Calibration Date: 28/08/20**

Area/location of noise monitoring: Location 1 – 20 Church Street, Location 2 – 38 Church Street, Location 3 – Hospital adjacent to site.



Sources of noise (including background noise):

Location 1 – Scaffolding top up, crane movements, form workers erecting tables, passing trucks and cars.

Location 2 –Crane and forklift movements, deliveries, passing trucks busses and cars.

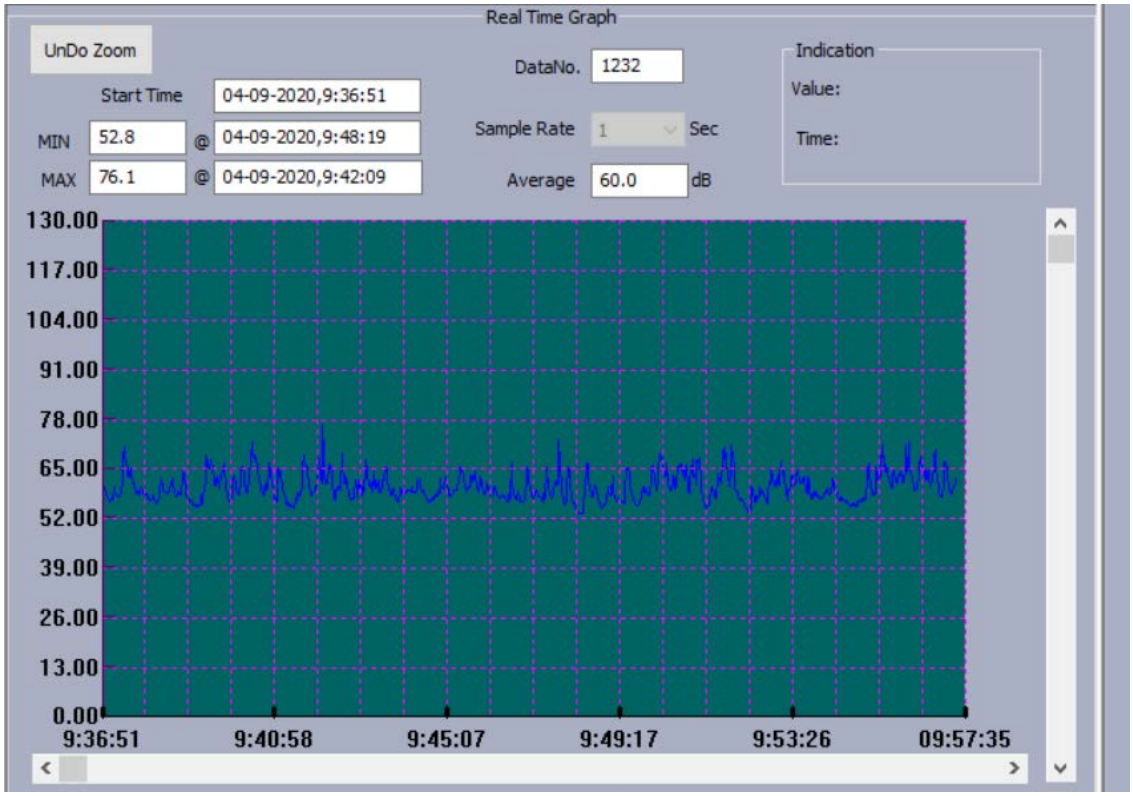
Location 3 – Crane movements, block laying, in ground works, form workers.

Sensitive Receivers (prior complaints and reports): 38 Church Street, 20 Church Street are sources of previous complaints.

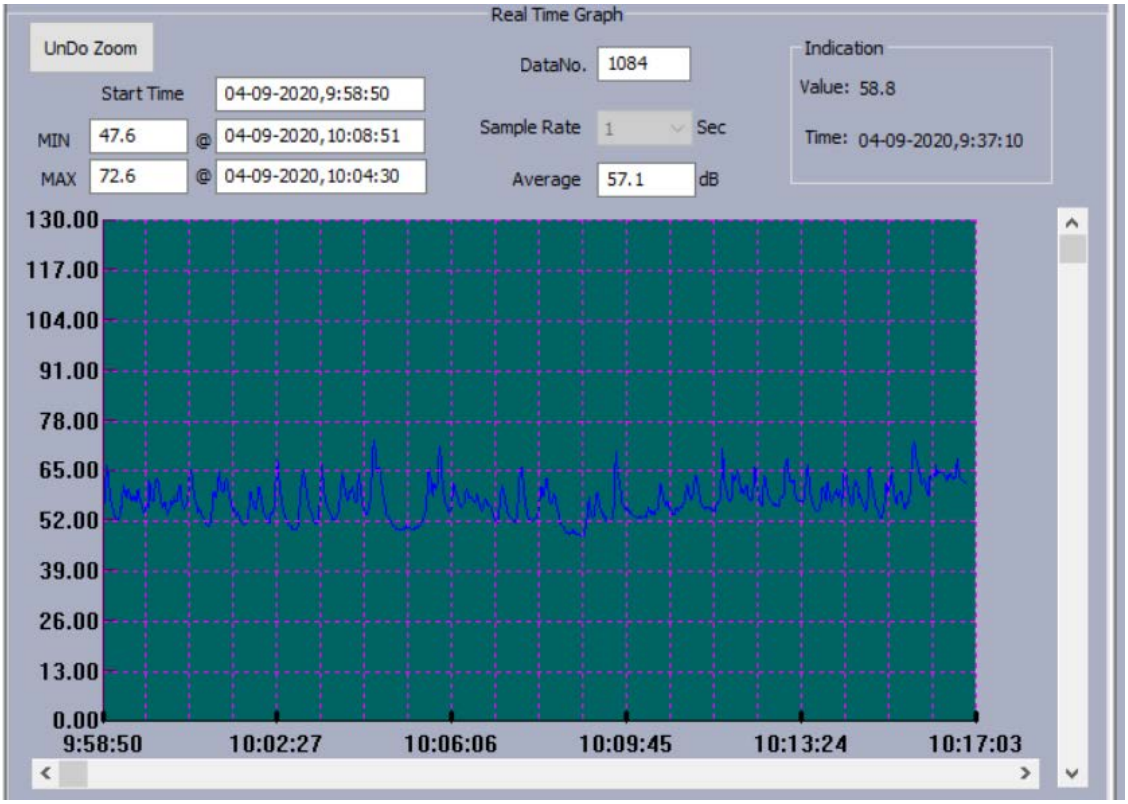
Is this monitoring being conducted as a result of a complaint? If yes, provide brief details: No

Results:

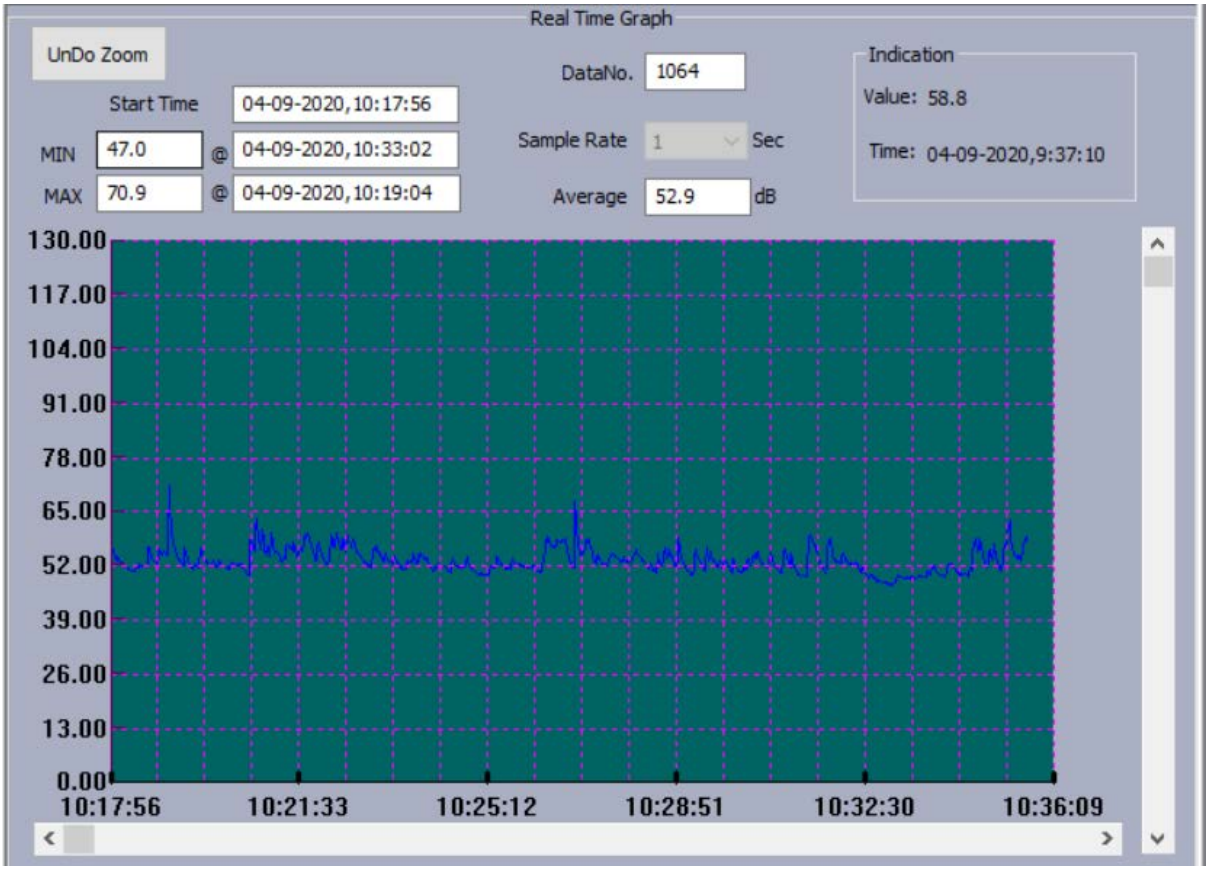
Location 1



Location 2



Location 3



Noise Assessment Report Summary:

Average readings are within required criteria limits for construction related noise.

(Attach Photos of Monitoring Locations)

Location 1



Location 2



Location 3



BASELINE CONSTRUCTION NOISE DATA & CRITERIA

Table 4 Attended noise monitoring summary

Location	Date	Start Time	Period[1]	L_{Aeq}	L_{A90} (RBL)	L_{Amax}	Comments
L1 Corner of Bolton & Church Streets	17/4/19	11:52	Day (7am – 6pm)	58	49	80	Urban hum (nearby fans, pumps, etc.) and distant traffic noise consistent. Car passbys frequent. Bird noise, aircraft noise, pedestrian noise and wind in trees occasionally.
	17/4/19	21:45	Evening (6pm – 10pm)	56	45	75	Urban hum (nearby fans, pumps, etc.) and insects consistent. Distant traffic, car passbys and nearby hotel noise frequent. Resident noise, pedestrian noise and dog barking occasionally.
	17/4/19	22:15	Night (10pm – 7am)	55	45	71	Urban hum (nearby fans, pumps, etc.) and insects consistent. Distant traffic and car passbys frequent. Pedestrian noise occasionally.

Table 5 Noise management levels for residential land use

Time of day	NML, $L_{Aeq\ 15min}$	Notes
Recommended Standard Hours: Monday to Friday 7:00am to 6:00pm Saturday 8:00am to 1:00pm No work on Sundays or public holidays	Noise affected: RBL + 10 dB(A)	May be some community reaction to noise. • Where the predicted or measured construction noise level exceeds the noise affected level, all feasible and reasonable work practices should be applied to meet the noise affected level. • All residents potentially impacted by the works should be informed of the nature of the works, the expected noise levels, and duration, and provided with site contact details.
	Highly noise affected: 75 dB(A)	May be a strong community reaction to noise. • Where construction noise is predicted or measured to be above this level, the relevant authority may require respite periods that restrict the hours that the very noisy activities can occur. • Respite activities would be determined considering times identified by the community when they are less sensitive to noise, and if the community is prepared to accept a longer period of construction to accommodate respite periods.
Outside recommended Standard Hours	Noise affected: RBL - 10 dB(A)	• A strong justification would typically be required for works outside the recommended standard hours. • The proponent should apply all feasible and reasonable work practices to meet the affected noise level. • Where all feasible and reasonable practices have been applied and noise is more than RBL - 10 dB(A) above the affected noise level, the proponent should negotiate with the affected community.

Table 12 Construction noise source power levels

Equipment	Quantity (worst case per 15-min period)	Sound power level per item, $L_{Aeq,\ 15\ minute}$ (dB)[1]
Demolition, earthworks & piling		
Piling rig	1	116
Excavator including rock-hammer	1	120
Excavator	2	105
Compactor	1	106
Dozer	1	108
Roller (up to 20T)	1	107
Truck & Dog	2	104
Structural works		
Concrete trucks	3	108
Concrete pump	1	110
Crane	1	99
Delivery truck	1	106
Power tools	4	105
Hand tools	Numerous	102
Internal fit-out and civil works		
Concrete trucks	3	108
Crane	1	99
Delivery truck	1	106
Hand tools	Numerous	102
Generator	1	99

Table 13 Construction noise predictions

Representative Receiver	Distance	Indicative predicted noise level $L_{Aeq,\ 15\ minute}$	Construction noise goal $L_{Aeq,\ 15\ minute}$
Nearest residences (to north)	20-105m	Demolition and earthworks 74-88 dB Structural works 66-81 dB Internal fit-out and civil works 66-80 dB	Noise affected: 59 dB (Recommended standard hours) Highly noise affected: 75 dB
Commercial / Offices	5-105m	Demolition and earthworks 74-100 dB Structural works 66-93 dB Internal fit-out and civil works 66-92 dB	70 dB (when in use)
Hospitals	5-105m	Demolition and earthworks 74-100 dB Structural works 66-93 dB Internal fit-out and civil works 66-92 dB	55 dB (when in use)

Monitoring

Details

Form id	152420
Created at	10/09/2020 by Jack Garland
Completed at	10/09/2020
Last modified	10/09/2020 14:54:02 by Jack Garland
Status	Complete
Respondent	Jack Garland
Division	NSW
Business unit	Newcastle Fitout
Department	
Project	Nihon University Newcastle Campus
Subcontractor	Oakdale Group Pty Limited
Monitoring Activity	SWMS Monitoring
Outline of activity being monitored	Suspended formwork deck installation
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.*	SMWS ID: BLT-697 Rev: 1 SWMS Title: Installation and stripping of vertical horizontal formwork
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.*	- Exclusion zones in place to prevent unauthorized access under deck in construction - Appropriate 'Formwork in progress' signage installed - Fall protection and handrails installed to deck with danger tape - Gaps in deck greater than 400mm are covered - Appropriate PPE worn by all workers
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
Jack Garland

Others in attendance

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

Subcontractor name	**Persons name**

Monitoring

Additional

Photos

Monitoring



Monitoring



Monitoring



Monitoring



Monitoring



Monitoring



Monitoring



Attachments

- Oakdale.pdf

Actions Summary

Monitoring

ID	First name	Last name	Due date	Date closed	Action description	Status	Last Comment

Actions

Site Inspection

Details

Form id	152602
Created at	11/09/2020 by Benjamin Moss
Completed at	11/09/2020
Last modified	15/09/2020 15:48:13 by Michael Louis
Status	Complete
Respondent	Benjamin Moss
Division	NSW
Business unit	Newcastle 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	Whole Site

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

Site Inspection

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.

- Sediment control replaced on Church Street.
- Work Zone & footpaths clean.
- Hoarding in good condition with no damage or graffiti.
- Project signage in place on hoarding and entry gates.
- Traffic control in place with inspection checklist and vehicle logs completed.
- COVID signage and measures in place at entries.
- Internal access paths generally clean.
- Materials stored neatly across site and housekeeping in good order.
- Scaffold in good condition with current tags and signage.
- Fire extinguishers and nurse calls located across the site and on structure levels.
- Waste segregation generally in good order onsite (PVC waste identified in steel only bin).
- Access to Temp MSB's blocked by materials.
- Exclusion zones and signage in place where required.
- Workers observed wearing required PPE and additional for appropriate tasks (glasses when cutting, ear protection, etc.).
- Barricades / Handrails in place where the risk of falls is present. Some improvements required to several areas on BLD C L3.
- Kickboards / Screens in place where the risk of falling objects is present. Some improvements required to several areas on BLD C.
- Reinforcement to have caps in multiple areas (specifically BLD C L3 Deck).
- All plant inducted and in good condition.
- RWT handrail in place identified as too low. The lid was replaced to eliminate risk.
- Exposed surface and stockpiles watered.

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***
Falling Object	Scaffold	Perimeter Screens to Building C Scaffold missing in some areas.
Falling Object	Formwork	Kickboards and handrails not in place on L3 deck to levels below.
Fall > 2m	Formwork	Ensure handrails are set back from pennos.

Site Inspection

Additional

Photos

Site Inspection



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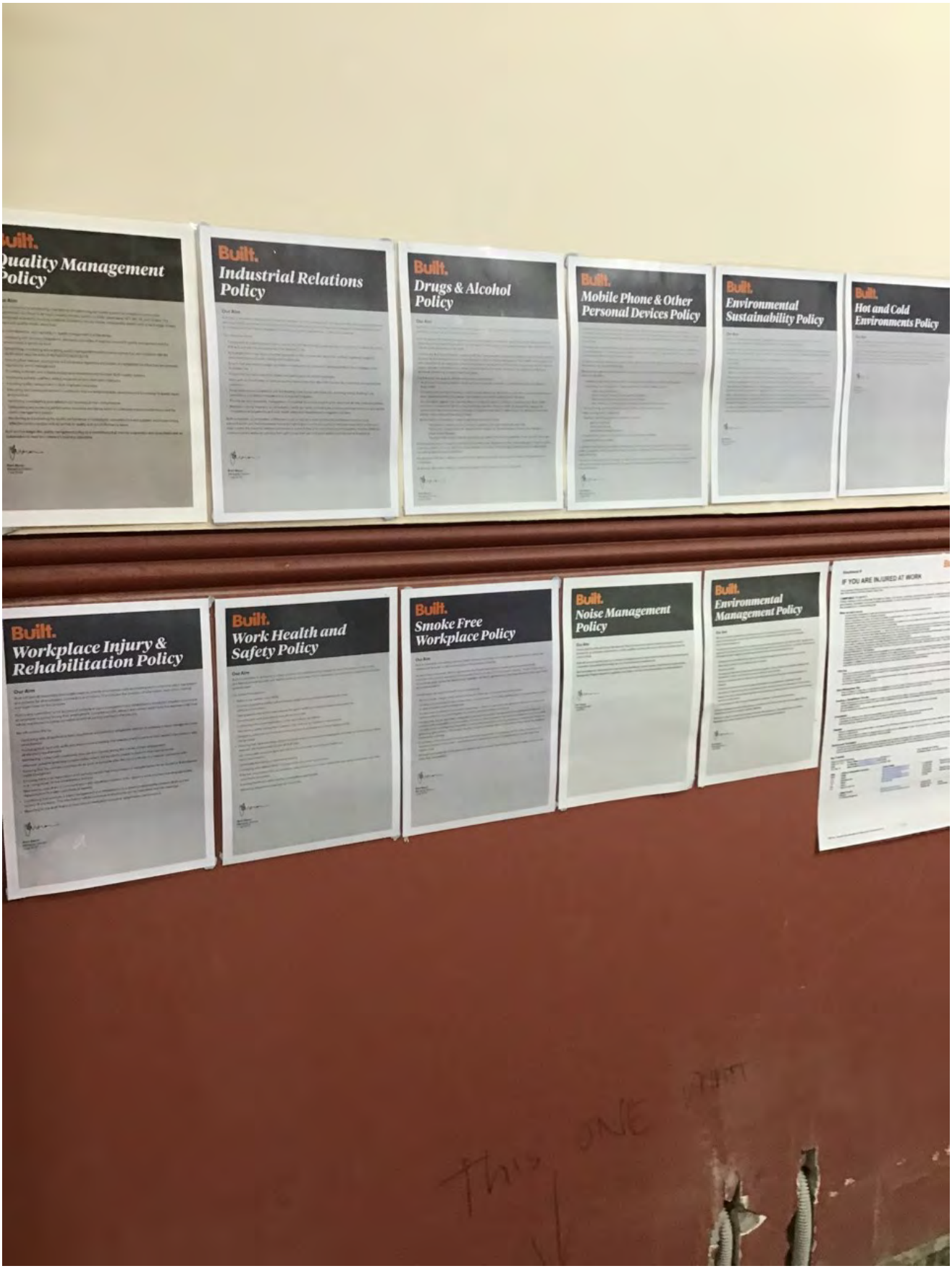
Site Inspection



Site Inspection



Site Inspection



Site Inspection



Attachments

- *No file attachments*

Actions Summary

ID	First name	Last name	Due date	Date closed	Action description	Status	Last Comment
38841	Robbie	Clydesdale	14/09/2020	14/09/2020	Implement signage to Stair C1 Crane Entry Door - (Danger - No Unauthorised Access).	Closed	
38842	Jay	Lodge-GerrardMurphy	14/09/2020	15/09/2020	Remove PVC waste from STEEL ONLY bin on BLD C L1	Closed	
38843	Robbie	Clydesdale	14/09/2020	14/09/2020	All materials to be removed from Temp MSB on BLD C L1. Access to Temp Boards is not to be obstructed.	Closed	
38844	Robbie	Clydesdale	14/09/2020	14/09/2020	Kickboards and screens are to be installed to BLD C scaffold to prevent falling objects.	Closed	
38845	Aaron	Rust-OakdaleGroup	14/09/2020	15/09/2020	Ensure all handrails on BLD C are set back from live edges to prevent falls and falling objects. Specifically around lift and stair cores.	Closed	
38846	Robbie	Clydesdale	14/09/2020	15/09/2020	Ensure caps are on all starter bars.	Closed	

Site Inspection

Actions

ID: 38841 **Due date:** 2020-09-14 **Status:** Closed

Actionee: Robbie Clydesdale **Date closed:** 2020-09-14

Action description: Implement signage to Stair C1 Crane Entry Door - (Danger - No Unauthorised Access).

Attachments

- *No file attachments*

ID: 38842 **Due date:** 2020-09-14 **Status:** Closed

Actionee: Jay Lodge-GerrardMurphy **Date closed:** 2020-09-15

Action description: Remove PVC waste from STEEL ONLY bin on BLD C L1

Attachments

- *No file attachments*

ID: 38843 **Due date:** 2020-09-14 **Status:** Closed

Actionee: Robbie Clydesdale **Date closed:** 2020-09-14

Site Inspection

Action description: All materials to be removed from Temp MSB on BLD C L1. Access to Temp Boards is not to be obstructed.

Attachments

- *No file attachments*

ID: 38844 **Due date:** 2020-09-14 **Status:** Closed

Actionee: Robbie Clydesdale **Date closed:** 2020-09-14

Action description: Kickboards and screens are to be installed to BLD C scaffold to prevent falling objects.

Attachments

- *No file attachments*

ID: 38845 **Due date:** 2020-09-14 **Status:** Closed

Actionee: Aaron Rust-OakdaleGroup **Date closed:** 2020-09-15

Action description: Ensure all handrails on BLD C are set back from live edges to prevent falls and falling objects. Specifically around lift and stair cores.

Attachments

- *No file attachments*

ID: 38846 **Due date:** 2020-09-14 **Status:** Closed

Actionee: Robbie Clydesdale **Date closed:** 2020-09-15

Action description: Ensure caps are on all starter bars.

Attachments

- *No file attachments*

PROJECT NAME:	**Nihon University**
PROJECT ADDRESS:	**9 Church Street Newcastle**
DATE OF REVIEW:	**17.09.2020**
REVIEWER:	**Michael Louis**
REVIEWER CONTACT DETAILS:	**0421844024**

1. A documented design, by a qualified Engineer, is to be carried out for any of the following scaffold types to be installed on a Built project site:

1. Scaffolding > 20m in height	5. Spur Scaffold	9. any non-standard scaffold assembly significantly outside the configuration specified by the manufacturer is to be designed by an Engineer
2. Suspended Scaffolds	6. Loading Platforms built from scaffolding components where intended to support loads above the duty rating load for the scaffold.	10. Or as otherwise requested by Built
3. Perimeter Catch Scaffold or Fan Scaffold	7. Scaffold designed as an overhead protection for public / workers safety (i.e., 10kpa rated or above).	
4. Hung Scaffold	8. Cantilever Scaffold	

Ref	Findings	Recommendations
	Documented design drawings have been supplied by DB Global Scaffold for installed works to date	**-**

2. The documented design must be kept on site:

Ref	Findings	Recommendations
	Design documentation is saved on the project folder S: drive	**-**

3. The engineer design detail is to include:

- The maximum duty ratings of the working platforms and access platforms in accordance with AS/NZS 1576.1 (e.g., light duty, medium duty, heavy duty and special duty);
- The maximum working load limit for each working platform/deck;
- Acceptable combinations of the following factors, within any bay:

    - Number of installed platform levels
    - Number of working platforms (with or without bay extension platforms fitted as appropriate)
    - Access platform duty ratings

- Loading platform working load limits

- Any other relevant limitations on the loading of the scaffold structure (e.g., containment sheets, mesh, shade cloth, signage);
- Adequate access to scaffold, e.g., ladders, stairs, stretcher, exiting floor level
- Maximum number of working decks and hop-ups;
- Method of tying the scaffold to the structure (including proof testing requirements for bolted connections);
- Method of fixing any approved add-on to the scaffold such as plywood, shade-cloth, mesh, signage, etc …;
- Wind loading calculations of any addition material;
- Elevations showing arrangements for bracing, tying, decks;
- Credentials and signature of the authorising Engineer and date:

Ref	Findings	Recommendations
	Engineer design requirements met.	**-**

4. Scaffold is not to be erected, altered or dismantled without prior authorisation and approval from the contracted scaffold installer and must only be carried out by persons holding the appropriate class of licence for the specific type of scaffold they are working on:

Ref	Findings	Recommendations
	All DB Global scaffolders hold HRWL as scaffolders	**-**

5. A licence is not required if the person is working under the direct supervision of a person who is licenced to carry out the specific class of scaffolding and is enrolled in an accredited course of training towards certification. A person is not required to hold a scaffolding licence to carry out minor scaffolding work where a person or thing may fall 4 metres or less. However, any person carrying out scaffolding work should be competent and must be provided with relevant information, instruction, training and supervision for erecting, dismantling, maintaining and altering the scaffold safely:

Ref	Findings	Recommendations
	All scaffold is erected by a competent person	**-**

6. Drilled-in anchors, such as friction or chemical anchors, may only be used where it is not practical to use other methods to tie the scaffold to the structure. Where a scaffold is tied to a structure/structural element by means of friction or chemical anchors the suitability of the supporting structure must be determined by a qualified Engineer with the connections designed with a safety factor of 3 in accordance with AS/NZS 4576:

Ref	Findings	Recommendations
	Design documentation covers installation of anchors and ties.	**-**

7. Where there is any risk of the ties pulling out due to tensile loads, such mechanical connections must be proof tested on installation in accordance with the qualified Engineer's requirements:

Ref	Findings	Recommendations
	Confirmed with scaffolder	**-**

8. Guardrails and mid-rails are to be installed in advance of the decking being installed (see example proprietary systems below):



Figure 5: Diagrammatic illustration of a proprietary temporary edge protection system.
Note: Toeboards and lower mid-rails omitted for clarity.

Note: Proprietary temporary edge protection systems such as that illustrated above require a safe work method statement and the scaffolders to undertake training to use the system safely.

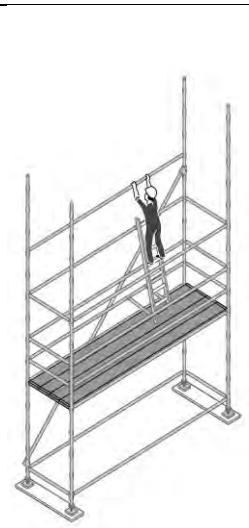




Figure 6

Ref	Findings	Recommendations
	Scaffolders work to 1 metre rule and HRCW SWMS covers installation and alteration of scaffold.	**-**

9. To minimise the risks associated with scaffolders falling through and from the scaffold during erection, altering and dismantling, scaffolders are to deploy methods of erection or dismantling which prevent the risk of falling. Such methods may include, proprietary edge protection/guard rail systems (e.g., as illustrated in figure 5 above), installation of temporary boards (as illustrated in figure 6 above) or other suitable temporary platform:

Ref	Findings	Recommendations
	Scaffolders work to their HRCW SWMS which covers controls to maintain works from a suitable working platform and handrails in place.	**-**

10. Unless outlined in the design, all fully planked platforms are to remain in place until the scaffold is dismantled:

Ref	Findings	Recommendations
	NA	**NA**

11. Guard rails, mid-rails, and toe boards must be installed on all open sides of platforms from which people or materials may fall. Where there is a risk of materials falling from the scaffold, means of preventing materials falling must be provided, e.g., chain-link mesh and shade cloth:

Ref	Findings	Recommendations
	Scaffold hand over certificates provided for these areas. Ongoing monitoring of scaffold to ensure areas where possible chance of falling objects exist are controlled.	**-**

12. The mixing of components from different proprietary systems shall not be permitted:

Ref	Findings	Recommendations
	NA – DB scaffold system is design certified.	**-**

13. Preventing materials falling must be provided, e.g., chain-link mesh and shade cloth:

Ref	Findings	Recommendations
	Mesh and toe boards installed to scaffold.	**-**

14. A Handover Certificate is to be obtained from a licensed scaffolder holding the qualification to erect the particular type of scaffold for which the handover certificate is being issued, prior to the scaffold being used by others, and is to include:

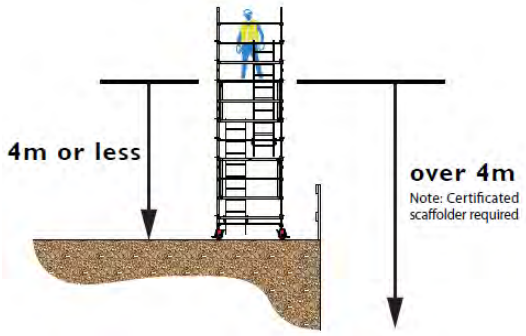
- Details for the Built site where the scaffold has been installed;
- The name and address of the organisation that erected the scaffold;
- A description of the type of scaffold;
- The size of the scaffold;
- The duty loadings applicable to the scaffold;
- The maximum number of platforms that can be worked from at any one time;
- The intended purpose of the scaffold;
- The date and time of the handover;
- Confirmation that the scaffold complies with any design specifications, suppliers' information and is suitable for its intended use/tasks;
- Reference to AS/NZS 1576:

Ref	Findings	Recommendations
	Handover certificates provided for all completed scaffold, saved on project S: drive	**-**

15. A Handover Certificate is also required following any significant modifications to the scaffold, i.e.,

- modifications which potentially affect its structural integrity;
- extensions to the scaffold;
- dismantling the scaffold, i.e. where ties are removed;
- where there is a change or addition to access to the scaffold or egress from the scaffold.

Note: Handover certification is also required for mobile scaffold where the working deck is greater than 4m in height. In addition, a handover certificate is also required for mobile scaffolds under 4m from the working platform where there is a risk of person falling more than 4m (as shown in the diagram below):



Ref	Findings	Recommendations
	Certificates are completed for Scaffold modifications	**-**

16. Copies of the Scaffold test certification to the Australian Standard AS1576.3 for all componentry is to be held on site for all proprietary scaffolds over 4m high:

Ref	Findings	Recommendations
	Certification of scaffold provided by DB Scaffold	**-**

17. A documented inspection, at maximum 30-day intervals, is to be carried out by a qualified Engineer or Scaffolder for all scaffolding (and any supporting structure) for which a handover certificate has been issued:

Ref	Findings	Recommendations
	Scaff tags updated and inspected at minimum 30-day intervals.	**-**

18. In addition to inspections carried out at 30-day intervals, inspections are to be carried out following any damage to the scaffold or damage/alteration to any structure supporting the scaffold.

Note: Scaffolding and any supporting structure is to be inspected following any major storm event where there is a potential for the scaffold or supporting structure/foundation to be affected:

Ref	Findings	Recommendations
	NA	**NA**

19. The inspection is to be documented and is to include items such as:

- Project details
- Name of person carrying out inspection
- Details of items inspected:

Ref	Findings	Recommendations
	DB Global supervisor completed scaffold certificates and provides to Built supervisor for verification.	**-**

20. All other scaffold is to be inspected as part of the daily monitoring of the worksite and weekly safety inspections:

Ref	Findings	Recommendations
	Scaffold check as part of various inspection regimes	**-**

21. No part of a scaffold, including any ties, rakers or fixings securing the scaffold to a structure or part thereof are to be altered or otherwise modified unless authorised by Built and the contracted scaffold installer:

Ref	Findings	Recommendations
	Constantly discussed at contractor meetings, site wide toolbox talks and other consultative events.	**-**

22. Climbing up the outside of scaffolds is not permitted:

Ref	Findings	Recommendations
	Constantly discussed at contractor meetings, site wide toolbox talks and other consultative events.	**-**

23. Scaffolding shall be dismantled in the opposite sequence to erection, handover certificates (see 2.14 of the Scaffolding BSMS) and documented inspections (2.16) are to continue until the scaffold has been fully dismantled:

Ref	Findings	Recommendations
	No dismantle has occurred to date	**-**

24. Mobile scaffolds with a working platform/deck height over 1m and up to 4 meters height must be erected by a competent person:

Ref	Findings	Recommendations
	No mobile scaffold on site at present	**-**

25. Mobile scaffolds with a working platform/deck height over 4 metres have been erected by a licenced scaffolder:

Ref	Findings	Recommendations
	All scaffold over 4m erected by a licenced scaffolder.	**-**

26. Mobile scaffolds over 4 metres must display Scaf-tag (or similar tag) to identify the status of the scaffold:

Ref	Findings	Recommendations
	All scaffold has scaff tag displayed	**-**

27. Safe means of access to the scaffold is to be provided to the working platform, e.g. internal ladder access, and hinged work platform hatch:

Ref	Findings	Recommendations
	All access as per designed scaffold system	**-**

28. Handrails are to be installed on all scaffolds where the working platform is above 1m in height.

29. The overall height of the scaffold must not exceed 3 times the width of the scaffold, unless ties or outriggers are installed:

Ref	Findings	Recommendations
	Ties in place as per engineer's design	**-**

30. The working platform should not exceed 1/3rd the height of the scaffold:

Ref	Findings	Recommendations
	NA	**NA**

31. Mobile scaffolds are never to be moved whilst anyone is on the scaffold:

Ref	Findings	Recommendations
	Covered in PRA's	**-**

32. Wheel locks are always to be fully engaged whilst persons are working from the scaffold:

Ref	Findings	Recommendations
	Covered in PRA's	**-**

Site Inspection

Details

Form id	153620
Created at	17/09/2020 by Benjamin Bates
Completed at	17/09/2020
Last modified	17/09/2020 08:22:59 by Benjamin Bates
Status	Complete
Respondent	Benjamin Bates
Division	NSW
Business unit	Newcastle Fitout
Department	
Project	Nihon University Newcastle Campus
Subcontractor	BUILT PTY LIMITED
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 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.*	Site generally clean tidy all trades Fall protection to be installed to entry planters completed at time of inspection Spotters in place Traffic control in place

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***

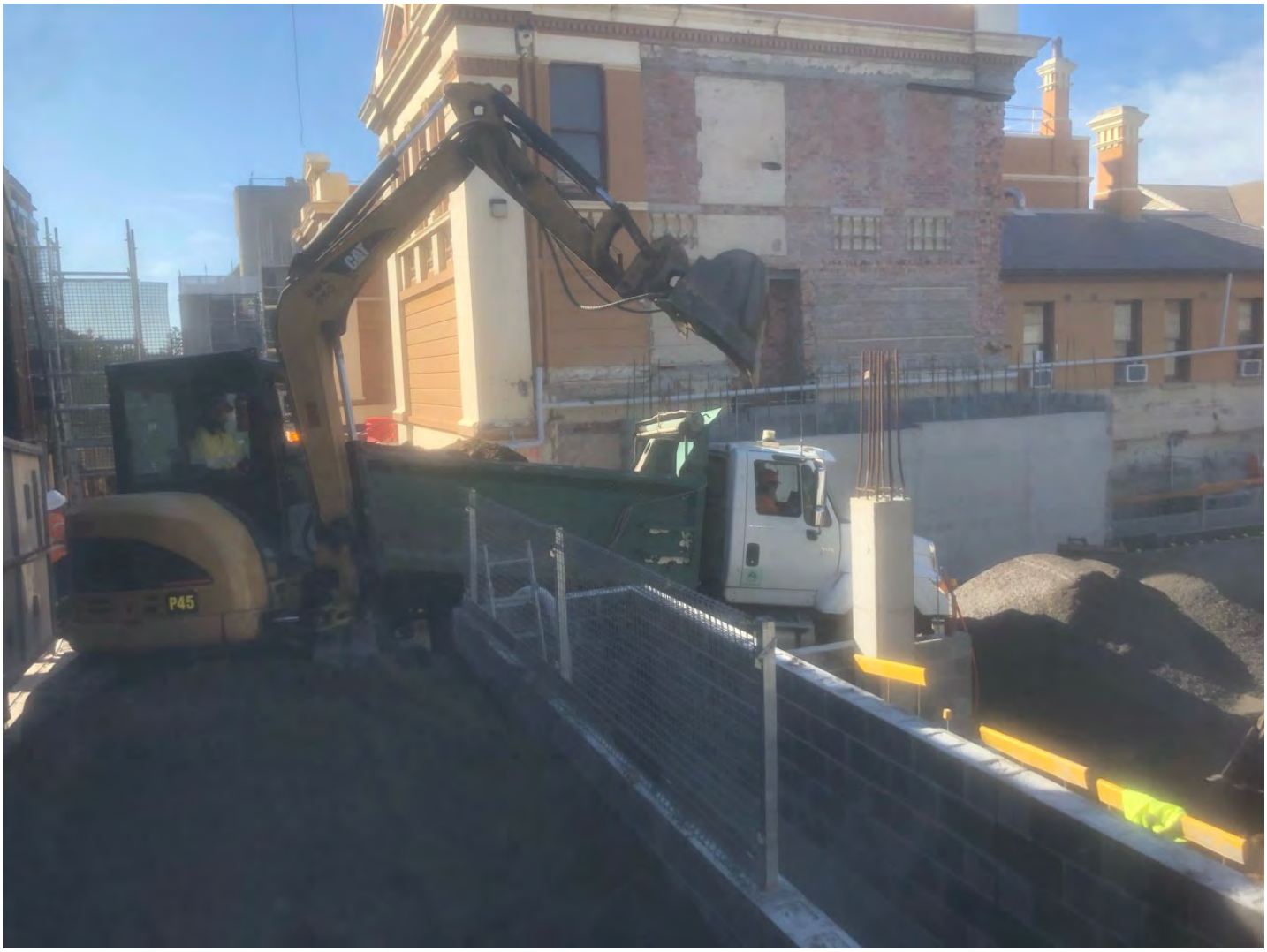
Site Inspection

Additional

Photos



Site Inspection



Site Inspection



Site Inspection



Attachments

- *No file attachments*

Actions Summary

ID	First name	Last name	Due date	Date closed	Action description	Status	Last Comment

Actions

Site Inspection

Details

Form id	155206
Created at	24/09/2020 by Benjamin Moss
Completed at	24/09/2020
Last modified	25/09/2020 14:11:09 by Benjamin Moss
Status	Complete
Respondent	Benjamin Moss
Division	NSW
Business unit	Newcastle 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	Whole of Site

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

Site Inspection

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.

EXTERNAL:
- Workzone & footpaths clean and clear.
- Traffic control personnel and signage in place.
- Truck logs & inspections being completed.
- Hoarding in good condition. No damage or graffiti.
- Project signage fixed to hoarding and visible.
- Sediment control in place.

BUILDING A:
- Lead hooks & stands used.
- Expired lead identified.
- Mobile plant inducted.
- Exposed reinforcement mostly capped. Some missing.
- Edge protection in place.
- Plant & work area exclusion zones (Formwork).
- Fire extinguishers and nurse call in place.
- waste skips in place.
- Site is clean & tidy.

BUILDING B:
- Site entry signage in place with sign in registers & COVID 19 measures.
- Roof rails in place.
- Housekeeping to rear of courthouse requires improvement.
- temp boards tagged.
- exclusion zones and signage in place.
- Amenities clean.

BUILDING C:
- Scaff screens mostly in place. Check all to prevent falling objects.
- Nurse call and fire extinguishers in place.
- Scaff tags in place and current.
- Temp lighting in place to walkways.
- Exclusion zones & signage in place.
- plant inducted and logbook signed.
- Work areas generally clean & materials stored neatly.

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***
Falling Object	Scaffold	Perimeter screens required.
Struck by Mobile Plant	Formwork	Forklifts in operation on BLD A L1 & BLD C L1 & L3 undertaking Formwork stripping and construction.
Structural	Formwork	Stripping to BLD C Level 1 Formwork Tables.

Site Inspection

Additional

Photos

Site Inspection



Site Inspection



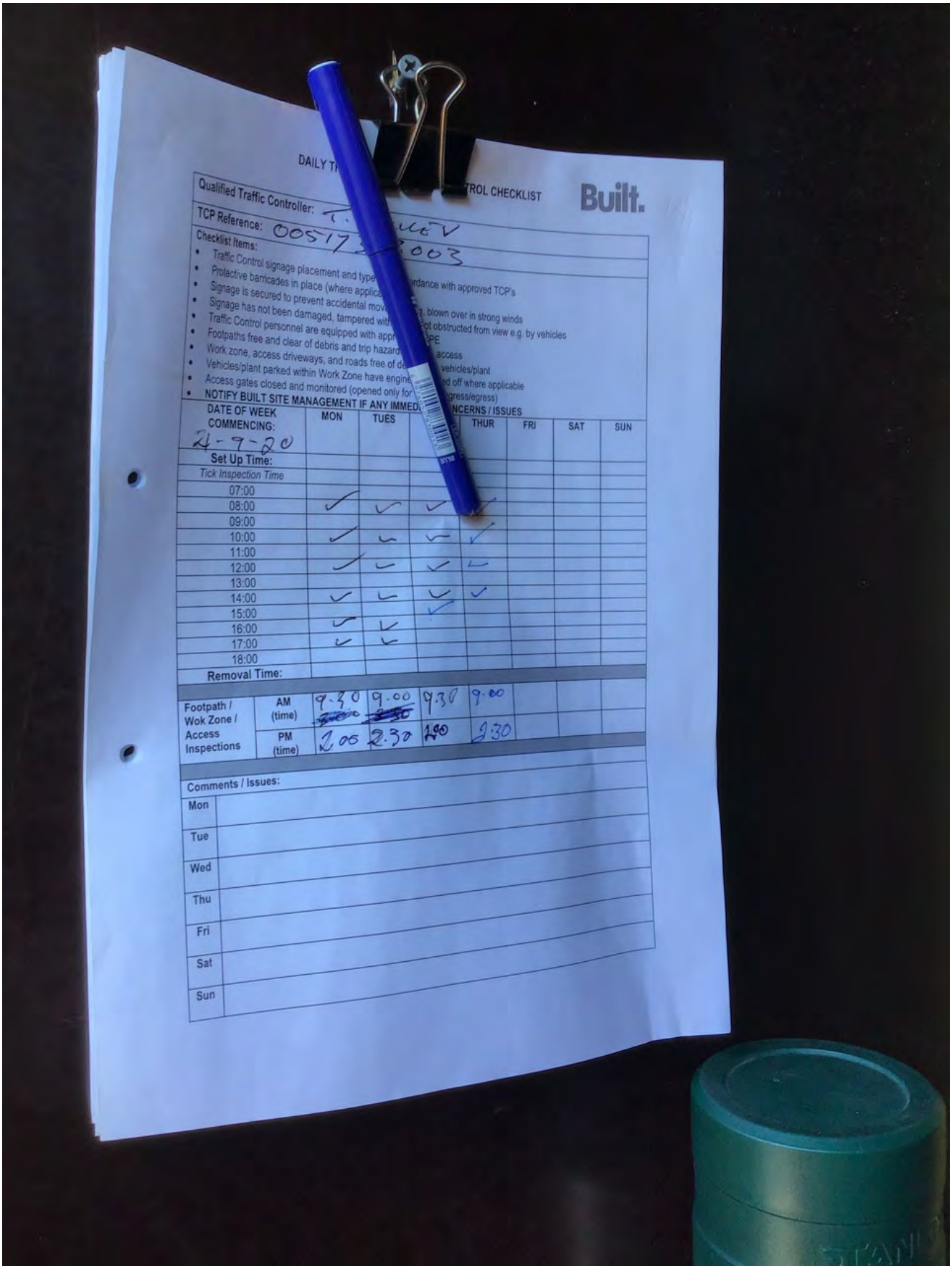
Site Inspection



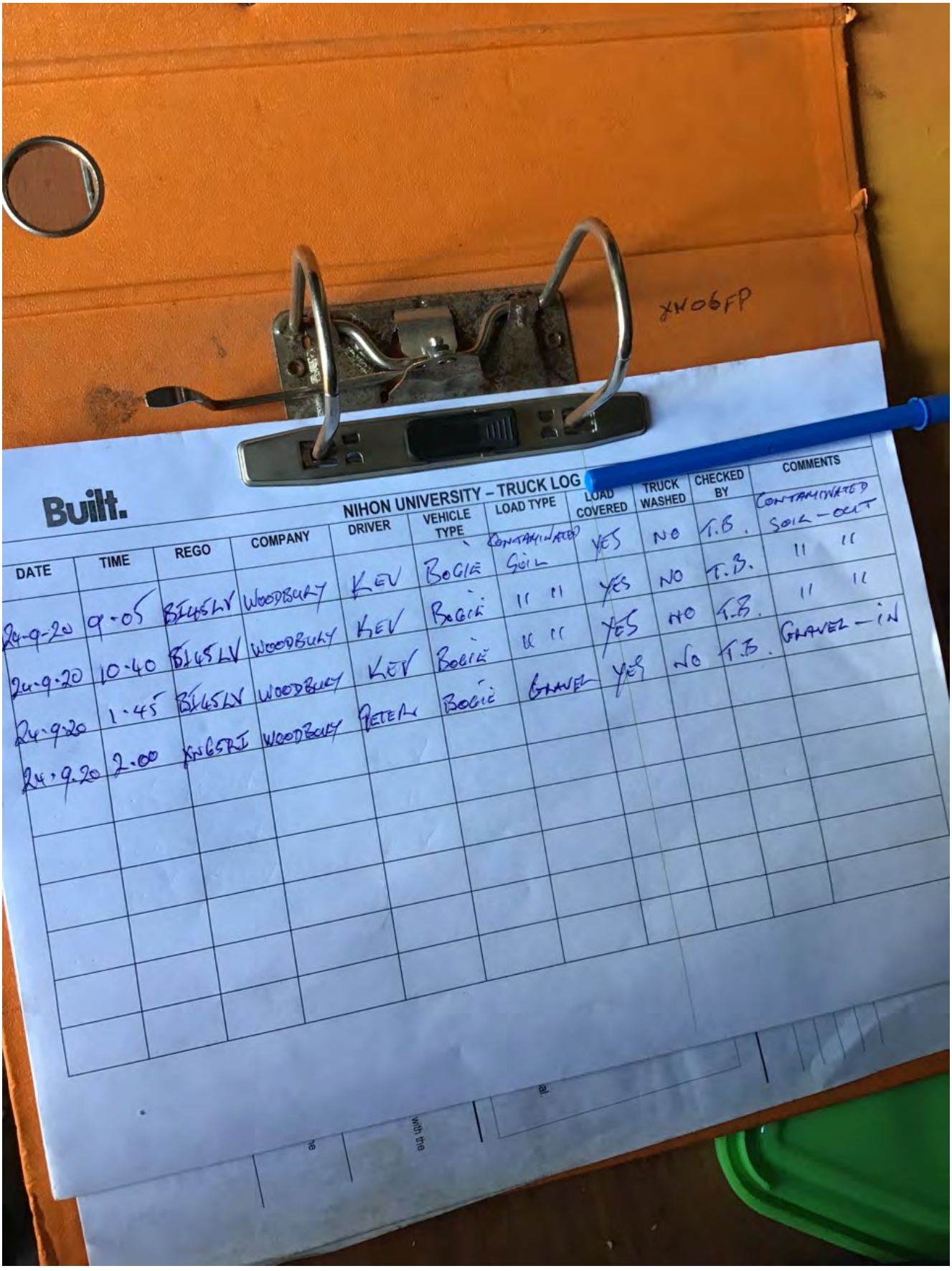
Site Inspection



Site Inspection



Site Inspection



Site Inspection



Site Inspection



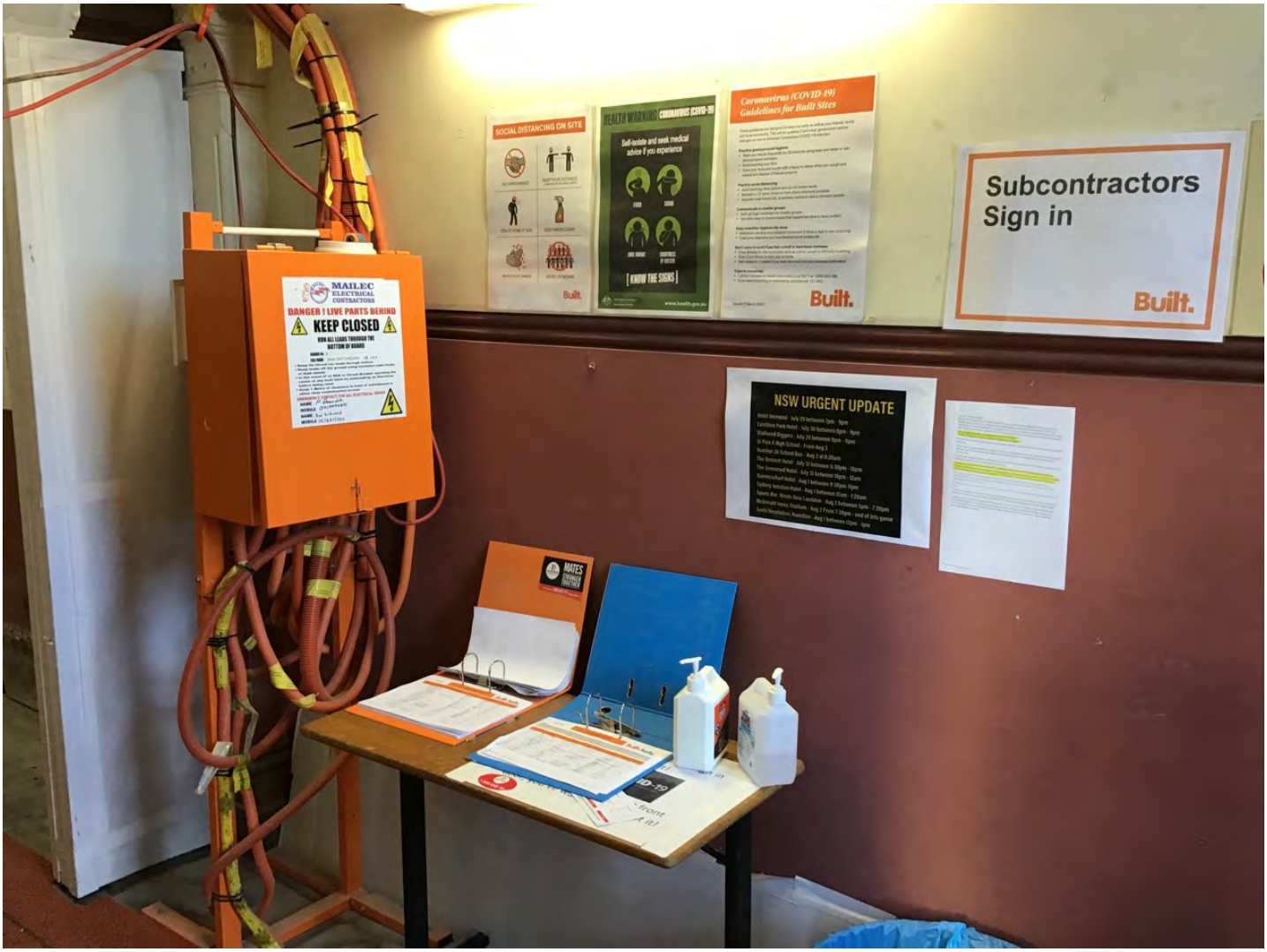
Site Inspection



Site Inspection



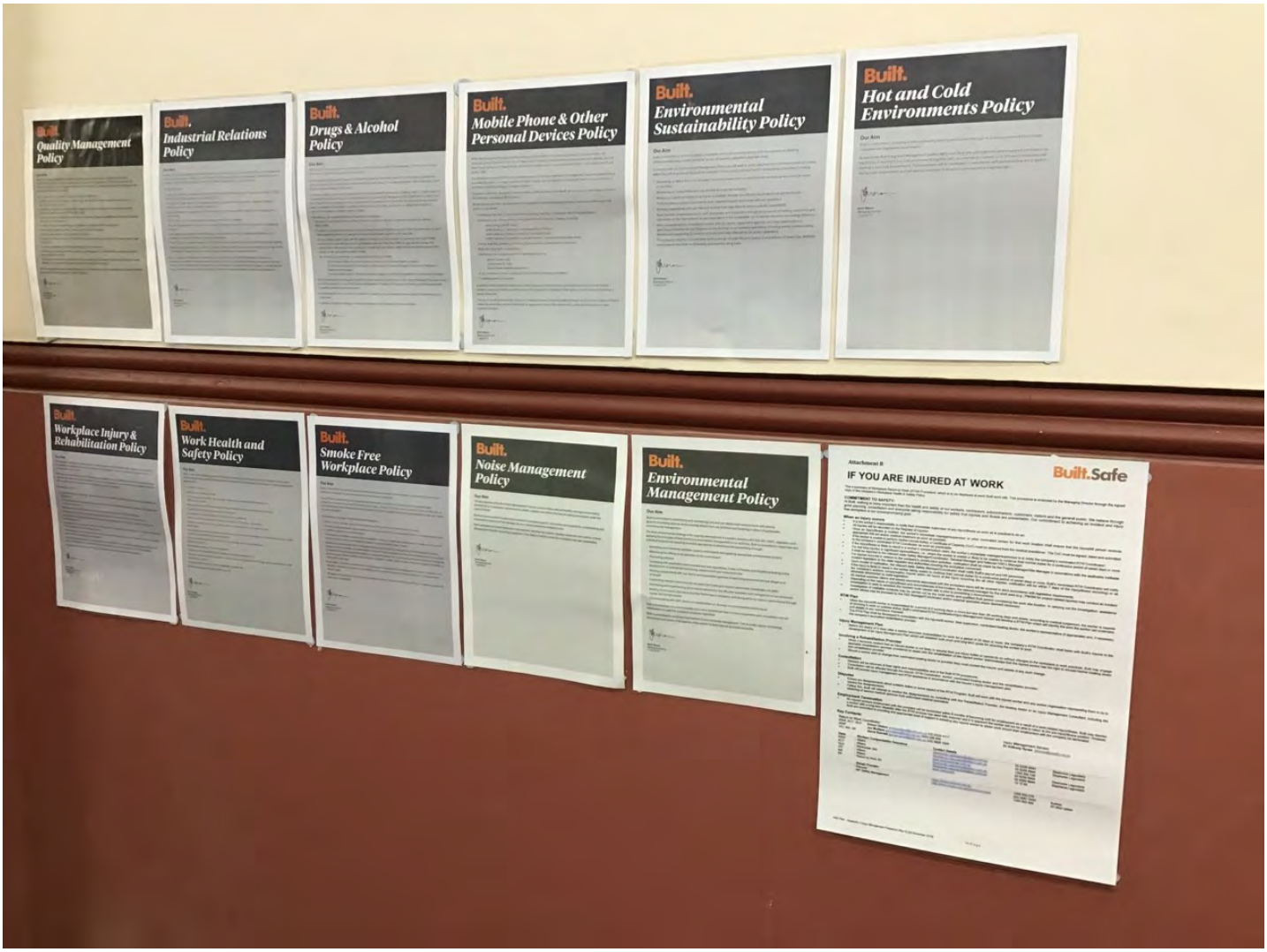
Site Inspection



Site Inspection



Site Inspection



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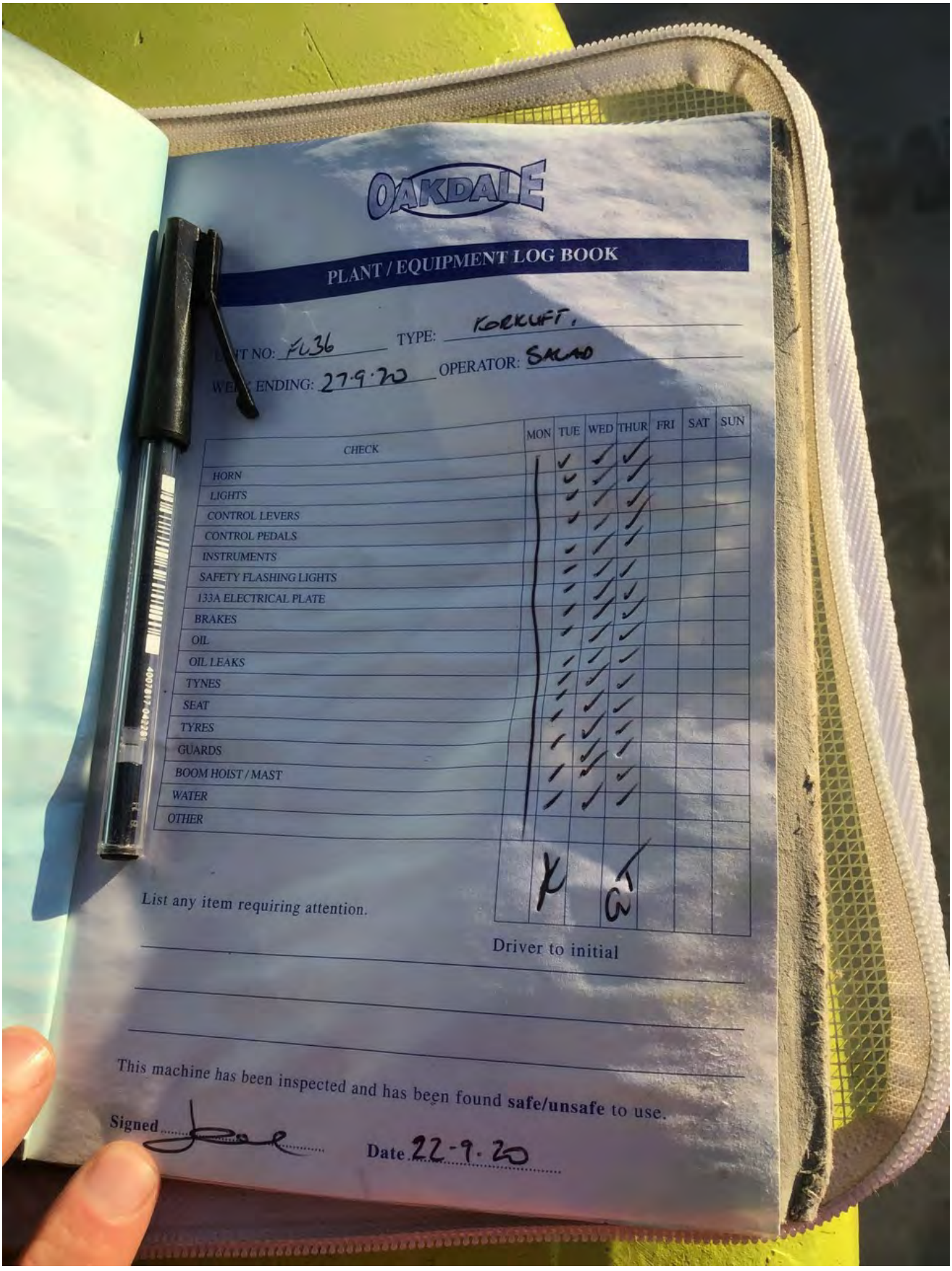
Site Inspection



Site Inspection



Site Inspection



Site Inspection



Site Inspection



Site Inspection



Site Inspection



Site Inspection



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Site Inspection



Site Inspection



Attachments

- *No file attachments*

Actions Summary

ID	First name	Last name	Due date	Date closed	Action description	Status	Last Comment
39361	Liam	Tamsett	25/09/2020	25/09/2020	Mailec to place temp wiring tape to conduit	Closed	
39362	Paul	Grob-PINNACLEBRICKLAYING	25/09/2020	25/09/2020	Leads to be tagged - Mixer on BLD A expired. Check all.	Closed	
39363	Liam	Tamsett	25/09/2020	25/09/2020	Subbies to tidy work area at rear of courthouse.	Closed	
39364	Robbie	Clydesdale	25/09/2020	25/09/2020	Scaff screen to be extended on L2 entry to courthouse, L3 north west corner, and L4 perimeter (if being worked from). Check all.	Closed	
39365	Robbie	Clydesdale	25/09/2020	25/09/2020	Mailec to place correct signage to door of new temp board at generator.	Closed	this boards if for the material hoist and not in use

Site Inspection

Actions

ID: 39361 **Due date:** 2020-09-25 **Status:** Closed

Actionee: Liam Tamsett **Date closed:** 2020-09-25

Action description: Mailec to place temp wiring tape to conduit



Site Inspection

Attachments

- *No file attachments*

ID: 39362 **Due date:** 2020-09-25 **Status:** Closed

Actionee: Paul Grob-PINNACLEBRICKLAYING **Date closed:** 2020-09-25

Action description: Leads to be tagged - Mixer on BLD A expired. Check all.



Attachments

- *No file attachments*

ID: 39363 **Due date:** 2020-09-25 **Status:** Closed

Actionee: Liam Tamsett **Date closed:** 2020-09-25

Action description: Subbies to tidy work area at rear of courthouse.







Attachments

- *No file attachments*

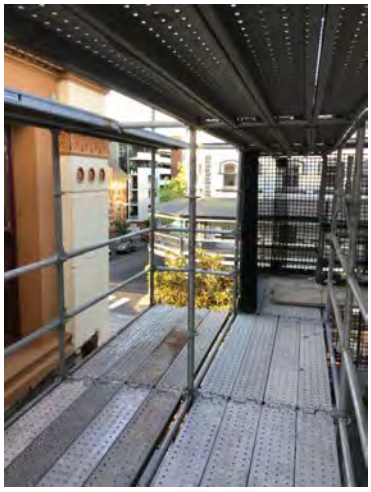
ID: 39364 **Due date:** 2020-09-25 **Status:** Closed

Actionee: Robbie Clydesdale **Date closed:** 2020-09-25

Action description: Scaff screen to be extended on L2 entry to courthouse, L3 north west corner, and L4 perimeter (if being worked from). Check all.

Site Inspection





Attachments

- *No file attachments*

ID: 39365 **Due date:** 2020-09-25 **Status:** Closed

Actionee: Robbie Clydesdale **Date closed:** 2020-09-25

Action description: Mailec to place correct signage to door of new temp board at generator.



Attachments

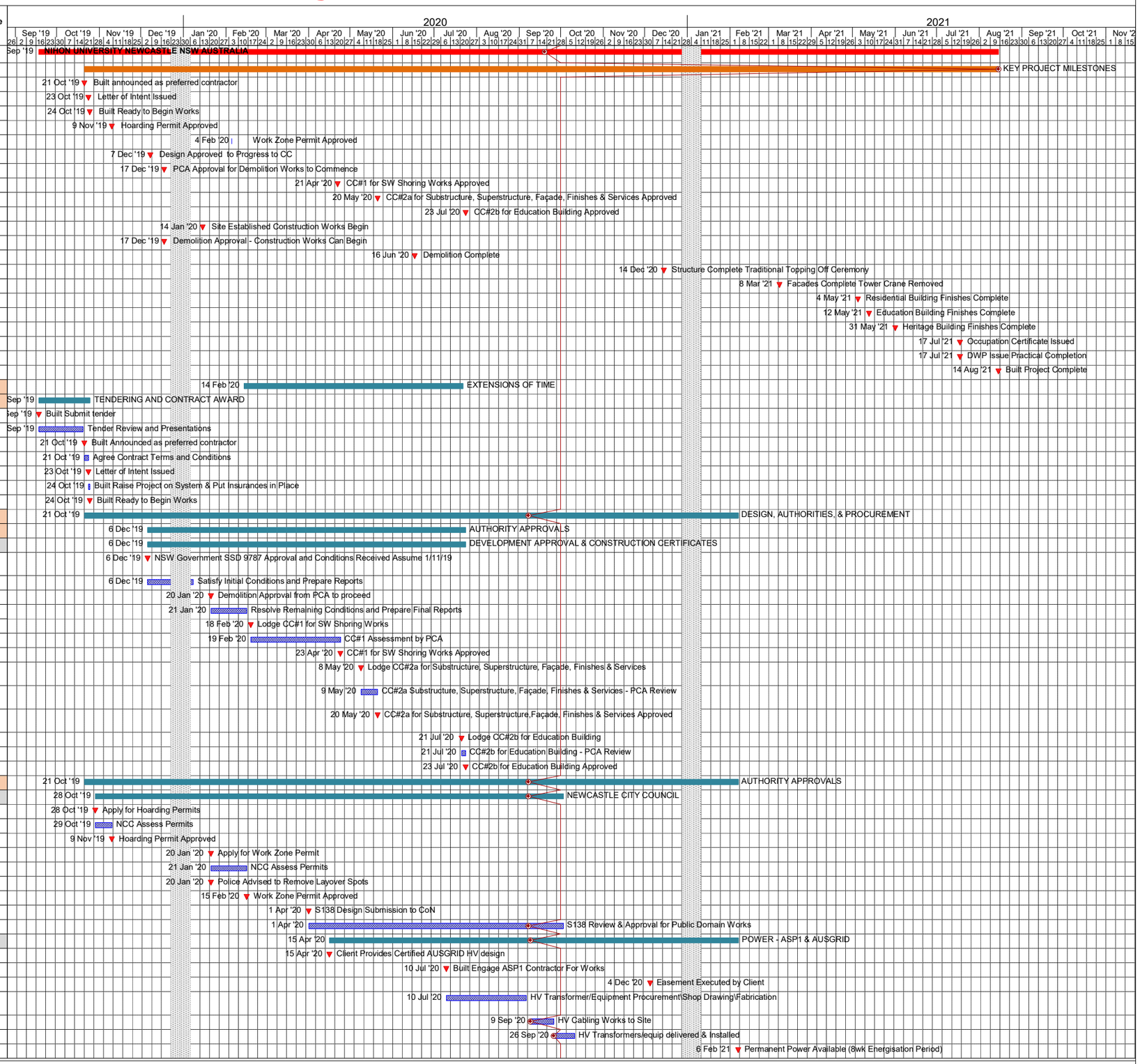
- *No file attachments*

Appendix D – Statused Contract Programme

Prepared By: RMc
Checked:
Revision : Rev 8 Contract

Built NIHON UNIVERSITY
9 CHURCH STREET NEWCASTLE 2300
Contract Programme

ID	Task Name	Dur	Start	Finish	% Complete
0	**NIHON UNIVERSITY NEWCASTLE NSW AUSTRALIA**	**529 d**	**Wed 18/09/19**	**Sat 14/08/21**	**49%**
1	**KEY PROJECT MILESTONES**	**497 d**	**Mon 21/10/19**	**Sat 14/08/21**	**99%**
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*	*10 d*	*Tue 4/02/20*	*Sat 15/02/20*	*100%*
7	*Design Approved to Progress to CC*	*0 d*	*Sat 7/12/19*	*Sat 7/12/19*	*100%*
8	*PCA Approval for Demolition Works to Commence*	*0 d*	*Tue 17/12/19*	*Tue 17/12/19*	*100%*
9	*CC#1 for SW Shoring Works Approved*	*0 d*	*Tue 21/04/20*	*Tue 21/04/20*	*100%*
10	*CC#2a for Substructure, Superstructure, Façade, Finishes & Services Ap*	*0 d*	*Wed 20/05/20*	*Wed 20/05/20*	*100%*
11	*CC#2b for Education Building Approved*	*0 d*	*Thu 23/07/20*	*Thu 23/07/20*	*100%*
12	*Site Established Construction Works Begin*	*0 d*	*Tue 14/01/20*	*Tue 14/01/20*	*100%*
13	*Demolition Approval - Construction Works Can Begin*	*0 d*	*Tue 17/12/19*	*Tue 17/12/19*	*100%*
14	*Demolition Complete*	*0 d*	*Tue 16/06/20*	*Tue 16/06/20*	*100%*
15	*Structure Complete Traditional Topping Off Ceremony*	*0 d*	*Mon 14/12/20*	*Mon 14/12/20*	*0%*
16	*Facades Complete Tower Crane Removed*	*0 d*	*Mon 8/03/21*	*Mon 8/03/21*	*0%*
17	*Residential Building Finishes Complete*	*0 d*	*Tue 4/05/21*	*Tue 4/05/21*	*0%*
18	*Education Building Finishes Complete*	*0 d*	*Wed 12/05/21*	*Wed 12/05/21*	*0%*
19	*Heritage Building Finishes Complete*	*0 d*	*Mon 31/05/21*	*Mon 31/05/21*	*0%*
20	*Occupation Certificate Issued*	*0 d*	*Sat 17/07/21*	*Sat 17/07/21*	*0%*
21	*DWP Issue Practical Completion*	*0 d*	*Sat 17/07/21*	*Sat 17/07/21*	*0%*
22	*Built Project Complete*	*0 d*	*Sat 14/08/21*	*Sat 14/08/21*	*0%*
23	**EXTENSIONS OF TIME**	**126 d**	**Fri 14/02/20**	**Tue 21/07/20**	**100%**
27	**TENDERING AND CONTRACT AWARD**	**29 d**	**Wed 18/09/19**	**Thu 24/10/19**	**100%**
28	Built Submit tender	0 d	Wed 18/09/19	Wed 18/09/19	*100%*
29	Tender Review and Presentations	25 d	Wed 18/09/19	Sat 19/10/19	100%
30	Built Announced as preferred contractor	0 d	Mon 21/10/19	Mon 21/10/19	*100%*
31	Agree Contract Terms and Conditions	3 d	Mon 21/10/19	Wed 23/10/19	100%
32	Letter of Intent Issued	0 d	Wed 23/10/19	Wed 23/10/19	*100%*
33	Built Raise Project on System & Put Insurances in Place	1 d	Thu 24/10/19	Thu 24/10/19	100%
34	Built Ready to Begin Works	0 d	Thu 24/10/19	Thu 24/10/19	*100%*
35	**DESIGN, AUTHORITIES, & PROCUREMENT**	**352 d**	**Mon 21/10/19**	**Sat 6/02/21**	**96%**
36	**AUTHORITY APPROVALS**	**171 d**	**Fri 6/12/19**	**Thu 23/07/20**	**100%**
37	**DEVELOPMENT APPROVAL & CONSTRUCTION CERTIF**	**171 d**	**Fri 6/12/19**	**Thu 23/07/20**	**100%**
38	*NSW Government SSD 9787 Approval and Conditions Received Assume 1/11/19*	*0 d*	*Fri 6/12/19*	*Fri 6/12/19*	*100%*
39	Satisfy Initial Conditions and Prepare Reports	14 d	Fri 6/12/19	Tue 7/01/20	100%
40	*Demolition Approval from PCA to proceed*	*0 d*	*Mon 20/01/20*	*Mon 20/01/20*	*100%*
41	Resolve Remaining Conditions and Prepare Final Reports	20 d	Tue 21/01/20	Sat 15/02/20	100%
42	Lodge CC#1 for SW Shoring Works	0 d	Tue 18/02/20	Tue 18/02/20	*100%*
43	CC#1 Assessment by PCA	52 d	Wed 19/02/20	Thu 23/04/20	100%
44	*CC#1 for SW Shoring Works Approved*	*0 d*	*Thu 23/04/20*	*Thu 23/04/20*	*100%*
45	Lodge CC#2a for Substructure, Superstructure, Façade, Finishes & Services	0 d	Fri 8/05/20	Fri 8/05/20	*100%*
46	CC#2a Substructure, Superstructure, Façade, Finishes & Services - PCA Review	10 d	Sat 9/05/20	Wed 20/05/20	100%
47	*CC#2a for Substructure, Superstructure,Façade, Finishes & Services Approved*	*0 d*	*Wed 20/05/20*	*Wed 20/05/20*	*100%*
48	Lodge CC#2b for Education Building	0 d	Tue 21/07/20	Tue 21/07/20	*100%*
49	CC#2b for Education Building - PCA Review	3 d	Tue 21/07/20	Thu 23/07/20	100%
50	*CC#2b for Education Building Approved*	*0 d*	*Thu 23/07/20*	*Thu 23/07/20*	*100%*
51	**AUTHORITY APPROVALS**	**352 d**	**Mon 21/10/19**	**Sat 6/02/21**	**91%**
52	**NEWCASTLE CITY COUNCIL**	**261 d**	**Mon 28/10/19**	**Fri 2/10/20**	**88%**
53	*Apply for Hoarding Permits*	*0 d*	*Mon 28/10/19*	*Mon 28/10/19*	*100%*
54	NCC Assess Permits	10 d	Tue 29/10/19	Sat 9/11/19	100%
55	*Hoarding Permit Approved*	*0 d*	*Sat 9/11/19*	*Sat 9/11/19*	*100%*
56	*Apply for Work Zone Permit*	*0 d*	*Mon 20/01/20*	*Mon 20/01/20*	*100%*
57	NCC Assess Permits	20 d	Tue 21/01/20	Sat 15/02/20	100%
58	Police Advised to Remove Layover Spots	0 d	Mon 20/01/20	Mon 20/01/20	*100%*
59	*Work Zone Permit Approved*	*0 d*	*Sat 15/02/20*	*Sat 15/02/20*	*100%*
60	*S138 Design Submission to CoN*	*0 d*	*Wed 1/04/20*	*Wed 1/04/20*	*100%*
61	S138 Review & Approval for Public Domain Works	149 d	Wed 1/04/20	Fri 2/10/20	85%
62	**POWER - ASP1 & AUSGRID**	**224 d**	**Wed 15/04/20**	**Sat 6/02/21**	**67%**
63	Client Provides Certified AUSGRID HV design	0 d	Wed 15/04/20	Wed 15/04/20	*100%*
64	*Built Engage ASP1 Contractor For Works*	*0 d*	*Fri 10/07/20*	*Fri 10/07/20*	*100%*
65	*Easement Executed by Client*	*0 d*	*Fri 4/12/20*	*Fri 4/12/20*	*0%*
66	HV Transformer/Equipment Procurement\Shop Drawing\Fabrication	10 wks	Fri 10/07/20	Sat 5/09/20	100%
67	HV Cabling Works to Site	15 d	Wed 9/09/20	Fri 25/09/20	0%
68	HV Transformers/equip delivered & Installed	10 d	Sat 26/09/20	Sat 10/10/20	0%
69	Permanent Power Available (8wk Energisation Period)	0 d	Sat 6/02/21	Sat 6/02/21	*0%*

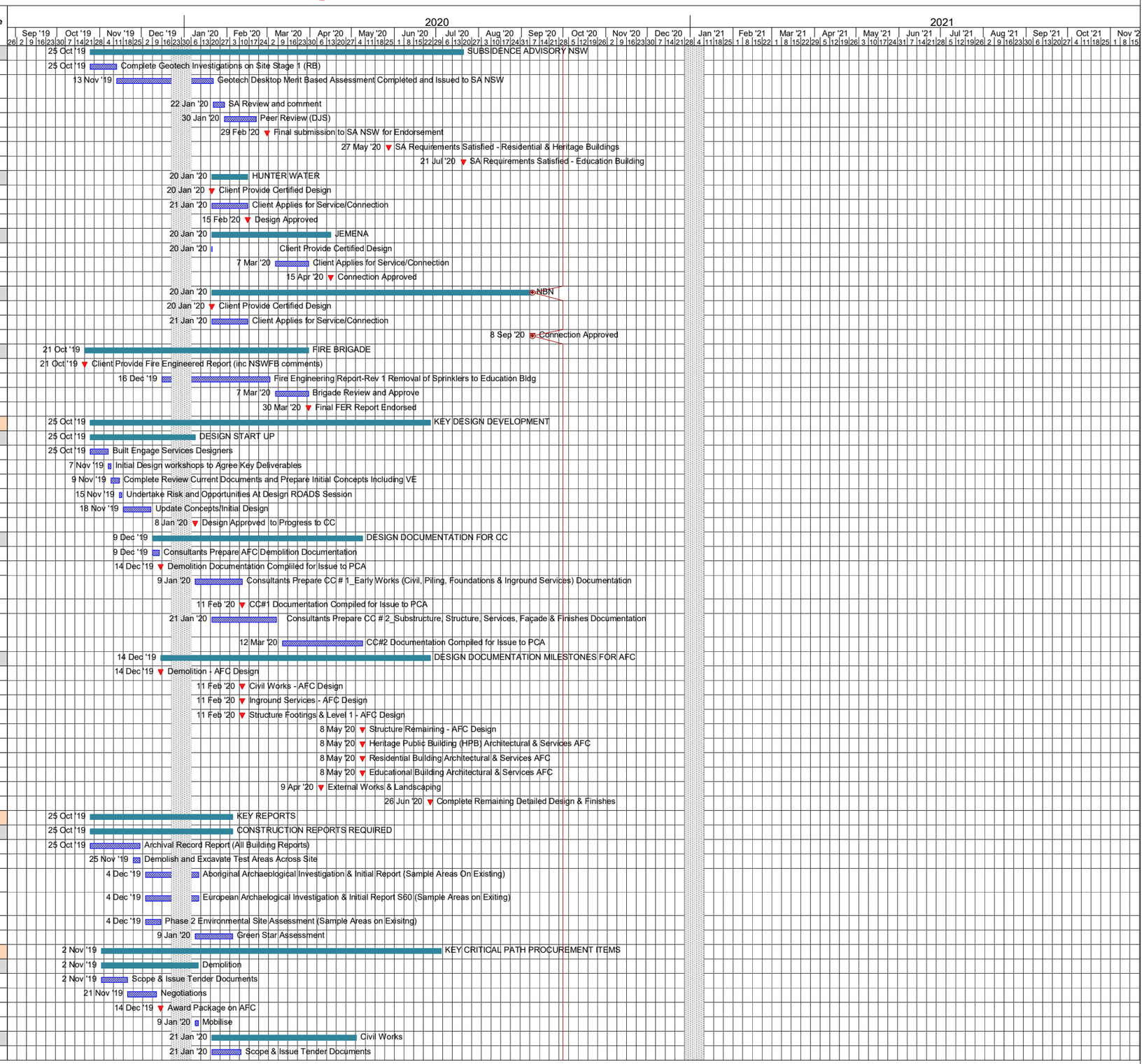


Critical Task | Non-critical | Milestone | Project Summary | Summary

Prepared By: RMc
Checked:
Revision : Rev 8 Contract

Built NIHON UNIVERSITY
9 CHURCH STREET NEWCASTLE 2300
Contract Programme

ID	Task Name	Dur	Start	Finish	% Complete
70	**SUBSIDENCE ADVISORY NSW**	**200 d**	**Fri 25/10/19**	**Tue 21/07/20**	**100%**
71	Complete Geotech Investigations on Site Stage 1 (RB)	15 d	Fri 25/10/19	Tue 12/11/19	100%
72	Geotech Desktop Merit Based Assessment Completed and Issued to SA NSW	43 d	Wed 13/11/19	Tue 21/01/20	100%
73	SA Review and comment	4 d	Wed 22/01/20	Wed 29/01/20	100%
74	Peer Review (DJS)	20 d	Thu 30/01/20	Fri 21/02/20	100%
75	*Final submission to SA NSW for Endorsement*	*0 d*	*Sat 29/02/20*	*Sat 29/02/20*	*100%*
76	*SA Requirements Satisfied - Residential & Heritage Buildings*	*0 d*	*Wed 27/05/20*	*Wed 27/05/20*	*100%*
77	*SA Requirements Satisfied - Education Building*	*0 d*	*Tue 21/07/20*	*Tue 21/07/20*	*100%*
78	**HUNTER WATER**	**20 d**	**Mon 20/01/20**	**Sat 15/02/20**	**100%**
79	Client Provide Certified Design	0 d	Mon 20/01/20	Mon 20/01/20	*100%*
80	Client Applies for Service/Connection	20 d	Tue 21/01/20	Sat 15/02/20	100%
81	*Design Approved*	*0 d*	*Sat 15/02/20*	*Sat 15/02/20*	*100%*
82	**JEMENA**	**67 d**	**Mon 20/01/20**	**Wed 15/04/20**	**100%**
83	Client Provide Certified Design	37 d	Mon 20/01/20	Fri 6/03/20	100%
84	Client Applies for Service/Connection	20 d	Sat 7/03/20	Mon 30/03/20	100%
85	*Connection Approved*	*0 d*	*Wed 15/04/20*	*Wed 15/04/20*	*100%*
86	**NBN**	**186 d**	**Mon 20/01/20**	**Tue 8/09/20**	**99%**
87	Client Provide Certified Design	0 d	Mon 20/01/20	Mon 20/01/20	*100%*
88	Client Applies for Service/Connection	20 d	Tue 21/01/20	Sat 15/02/20	100%
89	*Connection Approved*	*0 d*	*Tue 8/09/20*	*Tue 8/09/20*	*0%*
90	**FIRE BRIGADE**	**118 d**	**Mon 21/10/19**	**Mon 30/03/20**	**100%**
91	Client Provide Fire Engineered Report (inc NSWFB comments)	0 d	Mon 21/10/19	Mon 21/10/19	*100%*
92	Fire Engineering Report-Rev 1 Removal of Sprinklers to Educatio	50 d	Mon 16/12/19	Mon 2/03/20	100%
93	Brigade Review and Approve	20 d	Sat 7/03/20	Mon 30/03/20	100%
94	*Final FER Report Endorsed*	*0 d*	*Mon 30/03/20*	*Mon 30/03/20*	*100%*
95	**KEY DESIGN DEVELOPMENT**	**180 d**	**Fri 25/10/19**	**Fri 26/06/20**	**100%**
96	**DESIGN START UP**	**47 d**	**Fri 25/10/19**	**Wed 8/01/20**	**100%**
97	Built Engage Services Designers	10 d	Fri 25/10/19	Wed 6/11/19	100%
98	Initial Design workshops to Agree Key Deliverables	2 d	Thu 7/11/19	Fri 8/11/19	100%
99	Complete Review Current Documents and Prepare Initial Concep	5 d	Sat 9/11/19	Thu 14/11/19	100%
100	Undertake Risk and Opportunities At Design ROADS Session	2 d	Fri 15/11/19	Sat 16/11/19	100%
101	Update Concepts/Initial Design	15 d	Mon 18/11/19	Sat 7/12/19	100%
102	Design Approved to Progress to CC	0 d	Wed 8/01/20	Wed 8/01/20	*100%*
103	**DESIGN DOCUMENTATION FOR CC**	**108 d**	**Mon 9/12/19**	**Fri 8/05/20**	**100%**
104	Consultants Prepare AFC Demolition Documentation	5 d	Mon 9/12/19	Fri 13/12/19	100%
105	Demolition Documentation Compliled for Issue to PCA	0 d	Sat 14/12/19	Sat 14/12/19	*100%*
106	Consultants Prepare CC # 1_Early Works (Civil, Piling, Foundations & Inground Services) Documentation	26 d	Thu 9/01/20	Tue 11/02/20	100%
107	CC#1 Documentation Compiled for Issue to PCA	0 d	Tue 11/02/20	Tue 11/02/20	*100%*
108	Consultants Prepare CC # 2_Substructure, Structure, Services, Façade & Finishes Documentation	41 d	Tue 21/01/20	Wed 11/03/20	100%
109	CC#2 Documentation Compiled for Issue to PCA	44 d	Thu 12/03/20	Fri 8/05/20	100%
110	**DESIGN DOCUMENTATION MILESTONES FOR AFC**	**140 d**	**Sat 14/12/19**	**Fri 26/06/20**	**100%**
111	Demolition - AFC Design	0 d	Sat 14/12/19	Sat 14/12/19	*100%*
112	Civil Works - AFC Design	0 d	Tue 11/02/20	Tue 11/02/20	*100%*
113	Inground Services - AFC Design	0 d	Tue 11/02/20	Tue 11/02/20	*100%*
114	Structure Footings & Level 1 - AFC Design	0 d	Tue 11/02/20	Tue 11/02/20	*100%*
115	Structure Remaining - AFC Design	0 d	Fri 8/05/20	Fri 8/05/20	*100%*
116	Heritage Public Building (HPB) Architectural & Services AFC	0 d	Fri 8/05/20	Fri 8/05/20	*100%*
117	Residential Building Architectural & Services AFC	0 d	Fri 8/05/20	Fri 8/05/20	*100%*
118	Educational Building Architectural & Services AFC	0 d	Fri 8/05/20	Fri 8/05/20	*100%*
119	External Works & Landscaping	0 d	Thu 9/04/20	Thu 9/04/20	*100%*
120	*Complete Remaining Detailed Design & Finishes*	*0 d*	*Fri 26/06/20*	*Fri 26/06/20*	*100%*
121	**KEY REPORTS**	**67 d**	**Fri 25/10/19**	**Tue 4/02/20**	**100%**
122	**CONSTRUCTION REPORTS REQUIRED**	**67 d**	**Fri 25/10/19**	**Tue 4/02/20**	**100%**
123	Archival Record Report (All Building Reports)	30 d	Fri 25/10/19	Fri 29/11/19	100%
124	Demolish and Excavate Test Areas Across Site	5 d	Mon 25/11/19	Fri 29/11/19	100%
125	Aboriginal Archaeological Investigation & Initial Report (Sample Areas On Existing)	19.5 d	Wed 4/12/19	Sat 11/01/20	100%
126	European Archaelogical Investigation & Initial Report S60 (Sample Areas on Exiting)	19.5 d	Wed 4/12/19	Sat 11/01/20	100%
127	Phase 2 Environmental Site Assessment (Sample Areas on Exisit	10 d	Wed 4/12/19	Sat 14/12/19	100%
128	Green Star Assessment	20 d	Thu 9/01/20	Tue 4/02/20	100%
129	**KEY CRITICAL PATH PROCUREMENT ITEMS**	**180 d**	**Sat 2/11/19**	**Sat 4/07/20**	**100%**
130	**Demolition**	**42 d**	**Sat 2/11/19**	**Fri 10/01/20**	**100%**
131	Scope & Issue Tender Documents	15 d	Sat 2/11/19	Wed 20/11/19	100%
132	Negotiations	15 d	Thu 21/11/19	Wed 11/12/19	100%
133	*Award Package on AFC*	*0 d*	*Sat 14/12/19*	*Sat 14/12/19*	*100%*
134	Mobilise	2 d	Thu 9/01/20	Fri 10/01/20	100%
135	**Civil Works**	**80.75 d**	**Tue 21/01/20**	**Mon 4/05/20**	**100%**
136	Scope & Issue Tender Documents	15 d	Tue 21/01/20	Mon 10/02/20	100%

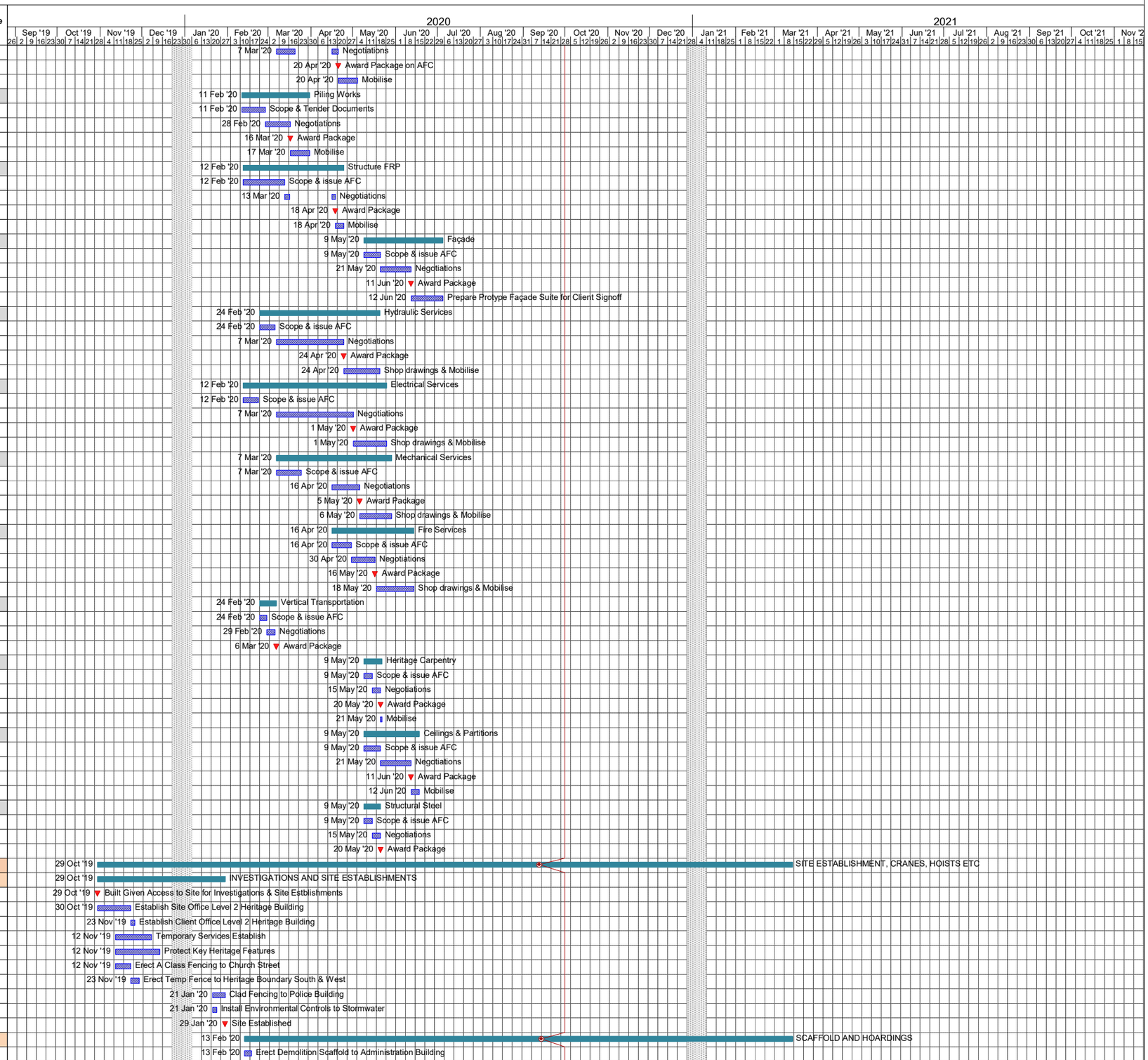


Critical Task | Non-critical | Milestone | Project Summary | Summary

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Built NIHON UNIVERSITY
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ID	Task Name	Dur	Start	Finish	% Complete
137	Negotiations	15 d	Sat 7/03/20	Mon 20/04/20	100%
138	*Award Package on AFC*	*0 d*	*Mon 20/04/20*	*Mon 20/04/20*	*100%*
139	Mobilise	10 d	Mon 20/04/20	Mon 4/05/20	100%
140	**Piling Works**	**42 d**	**Tue 11/02/20**	**Mon 30/03/20**	**100%**
141	Scope & Tender Documents	15 d	Tue 11/02/20	Thu 27/02/20	100%
142	Negotiations	15 d	Fri 28/02/20	Mon 16/03/20	100%
143	*Award Package*	*0 d*	*Mon 16/03/20*	*Mon 16/03/20*	*100%*
144	Mobilise	12 d	Tue 17/03/20	Mon 30/03/20	100%
145	**Structure FRP**	**58.5 d**	**Wed 12/02/20**	**Fri 24/04/20**	**100%**
146	Scope & issue AFC	26 d	Wed 12/02/20	Thu 12/03/20	100%
147	Negotiations	5 d	Fri 13/03/20	Sat 18/04/20	100%
148	*Award Package*	*0 d*	*Sat 18/04/20*	*Sat 18/04/20*	*100%*
149	Mobilise	5 d	Sat 18/04/20	Fri 24/04/20	100%
150	**Façade**	**45 d**	**Sat 9/05/20**	**Sat 4/07/20**	**100%**
151	Scope & issue AFC	10 d	Sat 9/05/20	Wed 20/05/20	100%
152	Negotiations	15 d	Thu 21/05/20	Thu 11/06/20	100%
153	*Award Package*	*0 d*	*Thu 11/06/20*	*Thu 11/06/20*	*100%*
154	Prepare Protype Façade Suite for Client Signoff	20 d	Fri 12/06/20	Sat 4/07/20	100%
155	**Hydraulic Services**	**68.5 d**	**Mon 24/02/20**	**Wed 20/05/20**	**100%**
156	Scope & issue AFC	10 d	Mon 24/02/20	Thu 5/03/20	100%
157	Negotiations	37.5 d	Sat 7/03/20	Fri 24/04/20	100%
158	*Award Package*	*0 d*	*Fri 24/04/20*	*Fri 24/04/20*	*100%*
159	Shop drawings & Mobilise	20 d	Fri 24/04/20	Wed 20/05/20	100%
160	**Electrical Services**	**82.25 d**	**Wed 12/02/20**	**Mon 25/05/20**	**100%**
161	Scope & issue AFC	10 d	Wed 12/02/20	Sat 22/02/20	100%
162	Negotiations	41.25 d	Sat 7/03/20	Fri 1/05/20	100%
163	*Award Package*	*0 d*	*Fri 1/05/20*	*Fri 1/05/20*	*100%*
164	Shop drawings & Mobilise	20 d	Fri 1/05/20	Mon 25/05/20	100%
165	**Mechanical Services**	**65 d**	**Sat 7/03/20**	**Thu 28/05/20**	**100%**
166	Scope & issue AFC	15 d	Sat 7/03/20	Tue 24/03/20	100%
167	Negotiations	15 d	Thu 16/04/20	Tue 5/05/20	100%
168	*Award Package*	*0 d*	*Tue 5/05/20*	*Tue 5/05/20*	*100%*
169	Shop drawings & Mobilise	20 d	Wed 6/05/20	Thu 28/05/20	100%
170	**Fire Services**	**45 d**	**Thu 16/04/20**	**Sat 13/06/20**	**100%**
171	Scope & issue AFC	10 d	Thu 16/04/20	Wed 29/04/20	100%
172	Negotiations	15 d	Thu 30/04/20	Sat 16/05/20	100%
173	*Award Package*	*0 d*	*Sat 16/05/20*	*Sat 16/05/20*	*100%*
174	Shop drawings & Mobilise	20 d	Mon 18/05/20	Sat 13/06/20	100%
175	**Vertical Transportation**	**11 d**	**Mon 24/02/20**	**Fri 6/03/20**	**100%**
176	Scope & issue AFC	5 d	Mon 24/02/20	Fri 28/02/20	100%
177	Negotiations	5 d	Sat 29/02/20	Thu 5/03/20	100%
178	*Award Package*	*0 d*	*Fri 6/03/20*	*Fri 6/03/20*	*100%*
179	**Heritage Carpentry**	**11 d**	**Sat 9/05/20**	**Thu 21/05/20**	**100%**
180	Scope & issue AFC	5 d	Sat 9/05/20	Thu 14/05/20	100%
181	Negotiations	5 d	Fri 15/05/20	Wed 20/05/20	100%
182	*Award Package*	*0 d*	*Wed 20/05/20*	*Wed 20/05/20*	*100%*
183	Mobilise	1 d	Thu 21/05/20	Thu 21/05/20	100%
184	**Ceilings & Partitions**	**30 d**	**Sat 9/05/20**	**Wed 17/06/20**	**100%**
185	Scope & issue AFC	10 d	Sat 9/05/20	Wed 20/05/20	100%
186	Negotiations	15 d	Thu 21/05/20	Thu 11/06/20	100%
187	*Award Package*	*0 d*	*Thu 11/06/20*	*Thu 11/06/20*	*100%*
188	Mobilise	5 d	Fri 12/06/20	Wed 17/06/20	100%
189	**Structural Steel**	**10 d**	**Sat 9/05/20**	**Wed 20/05/20**	**100%**
190	Scope & issue AFC	5 d	Sat 9/05/20	Thu 14/05/20	100%
191	Negotiations	5 d	Fri 15/05/20	Wed 20/05/20	100%
192	*Award Package*	*0 d*	*Wed 20/05/20*	*Wed 20/05/20*	*100%*
193	**SITE ESTABLISHMENT, CRANES, HOISTS ETC**	**374 d**	**Tue 29/10/19**	**Sat 13/03/21**	**67%**
194	**INVESTIGATIONS AND SITE ESTABLISHMENTS**	**58 d**	**Tue 29/10/19**	**Wed 29/01/20**	**100%**
195	*Built Given Access to Site for Investigations & Site Estblishments*	*0 d*	*Tue 29/10/19*	*Tue 29/10/19*	*100%*
196	Establish Site Office Level 2 Heritage Building	20 d	Wed 30/10/19	Fri 22/11/19	100%
197	Establish Client Office Level 2 Heritage Building	2 d	Sat 23/11/19	Mon 25/11/19	100%
198	Temporary Services Establish	20 d	Tue 12/11/19	Sat 7/12/19	100%
199	Protect Key Heritage Features	25 d	Tue 12/11/19	Fri 13/12/19	100%
200	Erect A Class Fencing to Church Street	10 d	Tue 12/11/19	Fri 22/11/19	100%
201	Erect Temp Fence to Heritage Boundary South & West	5 d	Sat 23/11/19	Thu 28/11/19	100%
202	Clad Fencing to Police Building	5 d	Tue 21/01/20	Wed 29/01/20	100%
203	Install Environmental Controls to Stormwater	3 d	Tue 21/01/20	Thu 23/01/20	100%
204	Site Established	0 d	Wed 29/01/20	Wed 29/01/20	*100%*
205	**SCAFFOLD AND HOARDINGS**	**304 d**	**Thu 13/02/20**	**Sat 13/03/21**	**61%**
206	Erect Demolition Scaffold to Administration Building	4 d	Thu 13/02/20	Mon 17/02/20	100%

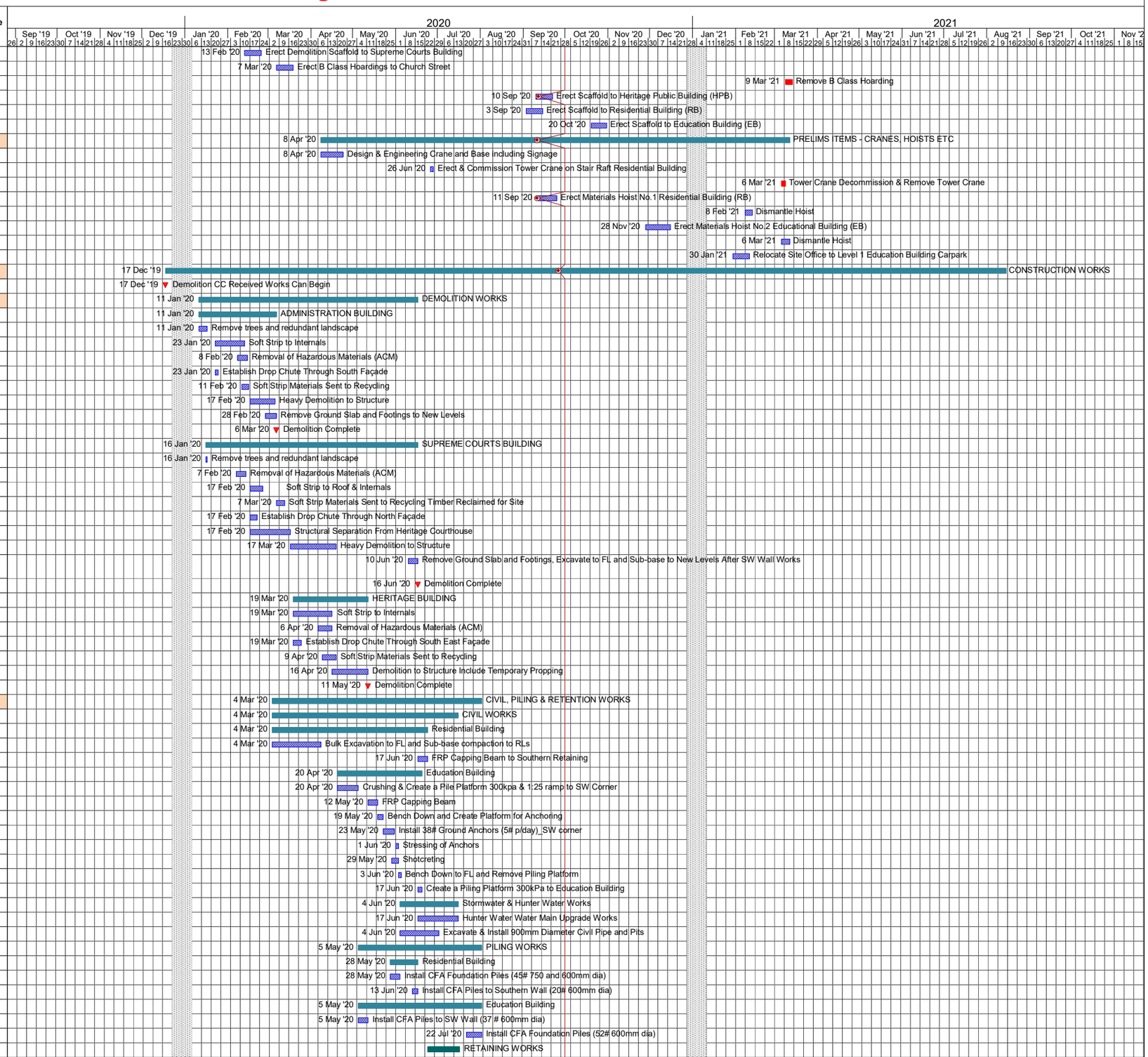


Critical Task — Non-critical — Milestone — Project Summary — Summary

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ID	Task Name	Dur	Start	Finish	% Complete
207	Erect Demolition Scaffold to Supreme Courts Building	10 d	Thu 13/02/20	Mon 24/02/20	100%
208	Erect B Class Hoardings to Church Street	10 d	Sat 7/03/20	Wed 18/03/20	100%
209	Remove B Class Hoarding	5 d	Tue 9/03/21	Sat 13/03/21	0%
210	Erect Scaffold to Heritage Public Building (HPB)	10 d	Thu 10/09/20	Mon 21/09/20	20%
211	Erect Scaffold to Residential Building (RB)	10 d	Thu 3/09/20	Mon 14/09/20	100%
212	Erect Scaffold to Education Building (EB)	10 d	Tue 20/10/20	Fri 30/10/20	0%
213	**PRELIMS ITEMS - CRANES, HOISTS ETC**	**255 d**	**Wed 8/04/20**	**Thu 11/03/21**	**21%**
214	Design & Engineering Crane and Base including Signage	10 d	Wed 8/04/20	Thu 23/04/20	100%
215	Erect & Commission Tower Crane on Stair Raft Residential Building	2 d	Fri 26/06/20	Sat 27/06/20	100%
216	Tower Crane Decommission & Remove Tower Crane	2 d	Sat 6/03/21	Mon 8/03/21	0%
217	Erect Materials Hoist No.1 Residential Building (RB)	12 d	Fri 11/09/20	Thu 24/09/20	0%
218	Dismantle Hoist	5 d	Mon 8/02/21	Fri 12/02/21	0%
219	Erect Materials Hoist No.2 Educational Building (EB)	12 d	Sat 28/11/20	Tue 15/12/20	0%
220	Dismantle Hoist	5 d	Sat 6/03/21	Thu 11/03/21	0%
221	Relocate Site Office to Level 1 Education Building Carpark	10 d	Sat 30/01/21	Wed 10/02/21	0%
222	**CONSTRUCTION WORKS**	**458 d**	**Tue 17/12/19**	**Sat 14/08/21**	**26%**
223	Demolition CC Received Works Can Begin	0 d	Tue 17/12/19	Tue 17/12/19	*100%*
224	**DEMOLITION WORKS**	**122 d**	**Sat 11/01/20**	**Tue 16/06/20**	**100%**
225	**ADMINISTRATION BUILDING**	**45 d**	**Sat 11/01/20**	**Fri 6/03/20**	**100%**
226	Remove trees and redundant landscape	5 d	Sat 11/01/20	Thu 16/01/20	100%
227	Soft Strip to Internals	15 d	Thu 23/01/20	Wed 12/02/20	100%
228	Removal of Hazardous Materials (ACM)	6 d	Sat 8/02/20	Fri 14/02/20	100%
229	Establish Drop Chute Through South Façade	2 d	Thu 23/01/20	Fri 24/01/20	100%
230	Soft Strip Materials Sent to Recycling	5 d	Tue 11/02/20	Sat 15/02/20	100%
231	Heavy Demolition to Structure	16 d	Mon 17/02/20	Thu 5/03/20	100%
232	Remove Ground Slab and Footings to New Levels	7 d	Fri 28/02/20	Fri 6/03/20	100%
233	*Demolition Complete*	*0 d*	*Fri 6/03/20*	*Fri 6/03/20*	*100%*
234	**SUPREME COURTS BUILDING**	**118 d**	**Thu 16/01/20**	**Tue 16/06/20**	**100%**
235	Remove trees and redundant landscape	1 d	Thu 16/01/20	Thu 16/01/20	100%
236	Removal of Hazardous Materials (ACM)	6 d	Fri 7/02/20	Thu 13/02/20	100%
237	Soft Strip to Roof & Internals	20 d	Mon 17/02/20	Tue 10/03/20	100%
238	Soft Strip Materials Sent to Recycling Timber Reclaimed for Site	5 d	Sat 7/03/20	Thu 12/03/20	100%
239	Establish Drop Chute Through North Façade	5 d	Mon 17/02/20	Fri 21/02/20	100%
240	Structural Separation From Heritage Courthouse	25 d	Mon 17/02/20	Mon 16/03/20	100%
241	Heavy Demolition to Structure	25 d	Tue 17/03/20	Sat 18/04/20	100%
242	Remove Ground Slab and Footings, Excavate to FL and Sub-base to New Levels After SW Wall Works	6 d	Wed 10/06/20	Tue 16/06/20	100%
243	*Demolition Complete*	*0 d*	*Tue 16/06/20*	*Tue 16/06/20*	*100%*
244	**HERITAGE BUILDING**	**40 d**	**Thu 19/03/20**	**Mon 11/05/20**	**100%**
245	Soft Strip to Internals	21 d	Thu 19/03/20	Thu 16/04/20	100%
246	Removal of Hazardous Materials (ACM)	5 d	Mon 6/04/20	Wed 15/04/20	100%
247	Establish Drop Chute Through South East Façade	5 d	Thu 19/03/20	Tue 24/03/20	100%
248	Soft Strip Materials Sent to Recycling	5 d	Thu 9/04/20	Sat 18/04/20	100%
249	Demolition to Structure Include Temporary Propping	20 d	Thu 16/04/20	Mon 11/05/20	100%
250	*Demolition Complete*	*0 d*	*Mon 11/05/20*	*Mon 11/05/20*	*100%*
251	**CIVIL, PILING & RETENTION WORKS**	**120 d**	**Wed 4/03/20**	**Sat 1/08/20**	**100%**
252	**CIVIL WORKS**	**105 d**	**Wed 4/03/20**	**Wed 15/07/20**	**100%**
253	**Residential Building**	**86 d**	**Wed 4/03/20**	**Tue 23/06/20**	**100%**
254	Bulk Excavation to FL and Sub-base compaction to RLs	30 d	Wed 4/03/20	Tue 7/04/20	100%
255	FRP Capping Beam to Southern Retaining	6 d	Wed 17/06/20	Tue 23/06/20	100%
256	**Education Building**	**47 d**	**Mon 20/04/20**	**Fri 19/06/20**	**100%**
257	Crushing & Create a Pile Platform 300kpa & 1:25 ramp to SW	11 d	Mon 20/04/20	Mon 4/05/20	100%
258	FRP Capping Beam	6 d	Tue 12/05/20	Mon 18/05/20	100%
259	Bench Down and Create Platform for Anchoring	4 d	Tue 19/05/20	Fri 22/05/20	100%
260	Install 38# Ground Anchors (5# p/day)_SW corner	7 d	Sat 23/05/20	Sat 30/05/20	100%
261	Stressing of Anchors	2 d	Mon 1/06/20	Tue 2/06/20	100%
262	Shotcreting	4 d	Fri 29/05/20	Tue 2/06/20	100%
263	Bench Down to FL and Remove Piling Platform	2 d	Wed 3/06/20	Thu 4/06/20	100%
264	Create a Piling Platform 300kPa to Education Building	3 d	Wed 17/06/20	Fri 19/06/20	100%
265	**Stormwater & Hunter Water Works**	**32 d**	**Thu 4/06/20**	**Wed 15/07/20**	**100%**
266	Hunter Water Water Main Upgrade Works	25 d	Wed 17/06/20	Wed 15/07/20	100%
267	Excavate & Install 900mm Diameter Civil Pipe and Pits	20 d	Thu 4/06/20	Wed 1/07/20	100%
268	**PILING WORKS**	**73 d**	**Tue 5/05/20**	**Sat 1/08/20**	**100%**
269	**Residential Building**	**13 d**	**Thu 28/05/20**	**Tue 16/06/20**	**100%**
270	Install CFA Foundation Piles (45# 750 and 600mm dia)	6 d	Thu 28/05/20	Wed 3/06/20	100%
271	Install CFA Piles to Southern Wall (20# 600mm dia)	3 d	Sat 13/06/20	Tue 16/06/20	100%
272	**Education Building**	**73 d**	**Tue 5/05/20**	**Sat 1/08/20**	**100%**
273	Install CFA Piles to SW Wall (37 # 600mm dia)	6 d	Tue 5/05/20	Mon 11/05/20	100%
274	Install CFA Foundation Piles (52# 600mm dia)	10 d	Wed 22/07/20	Sat 1/08/20	100%
275	**RETAINING WORKS**	**20 d**	**Wed 24/06/20**	**Thu 16/07/20**	**100%**

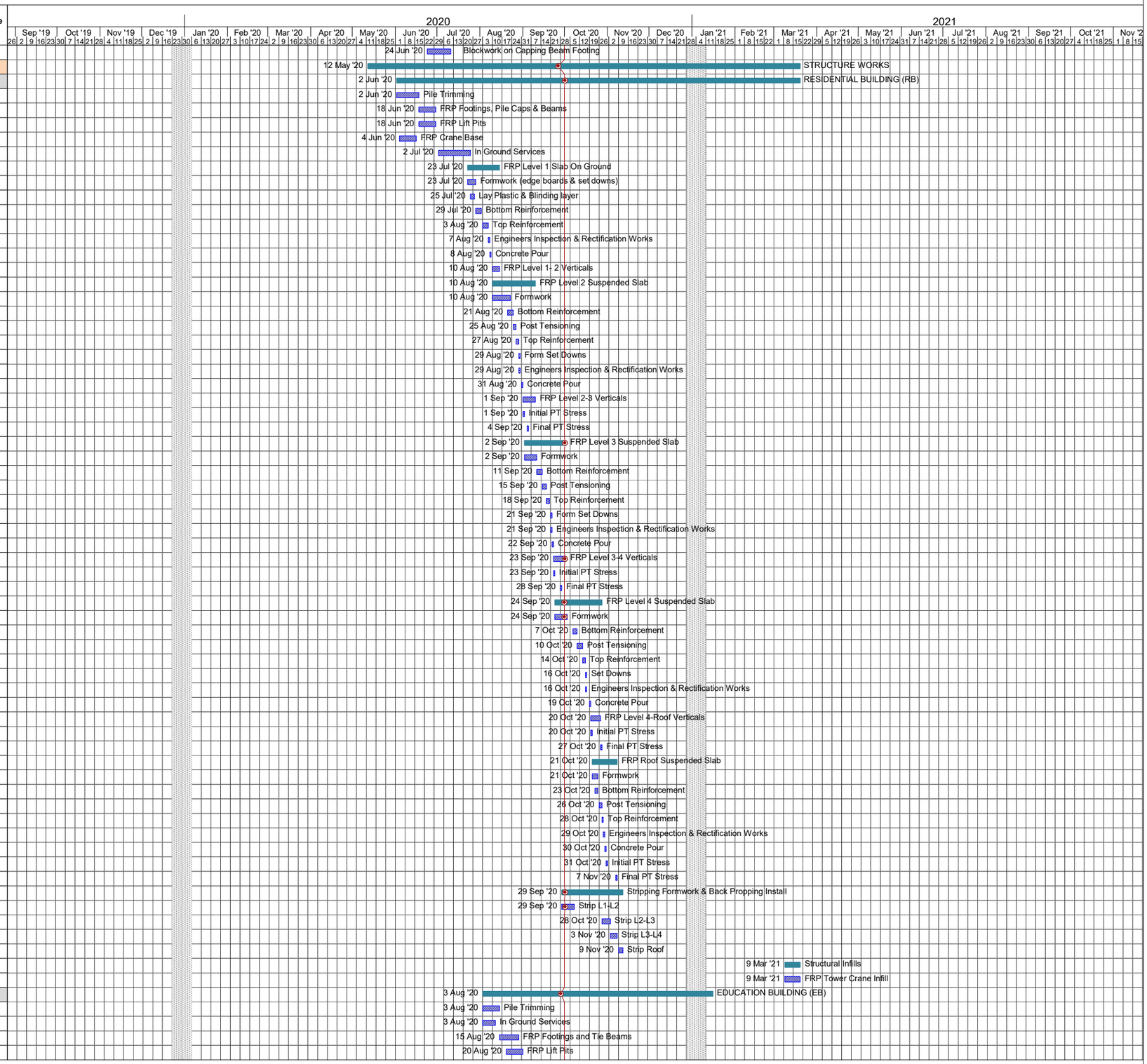


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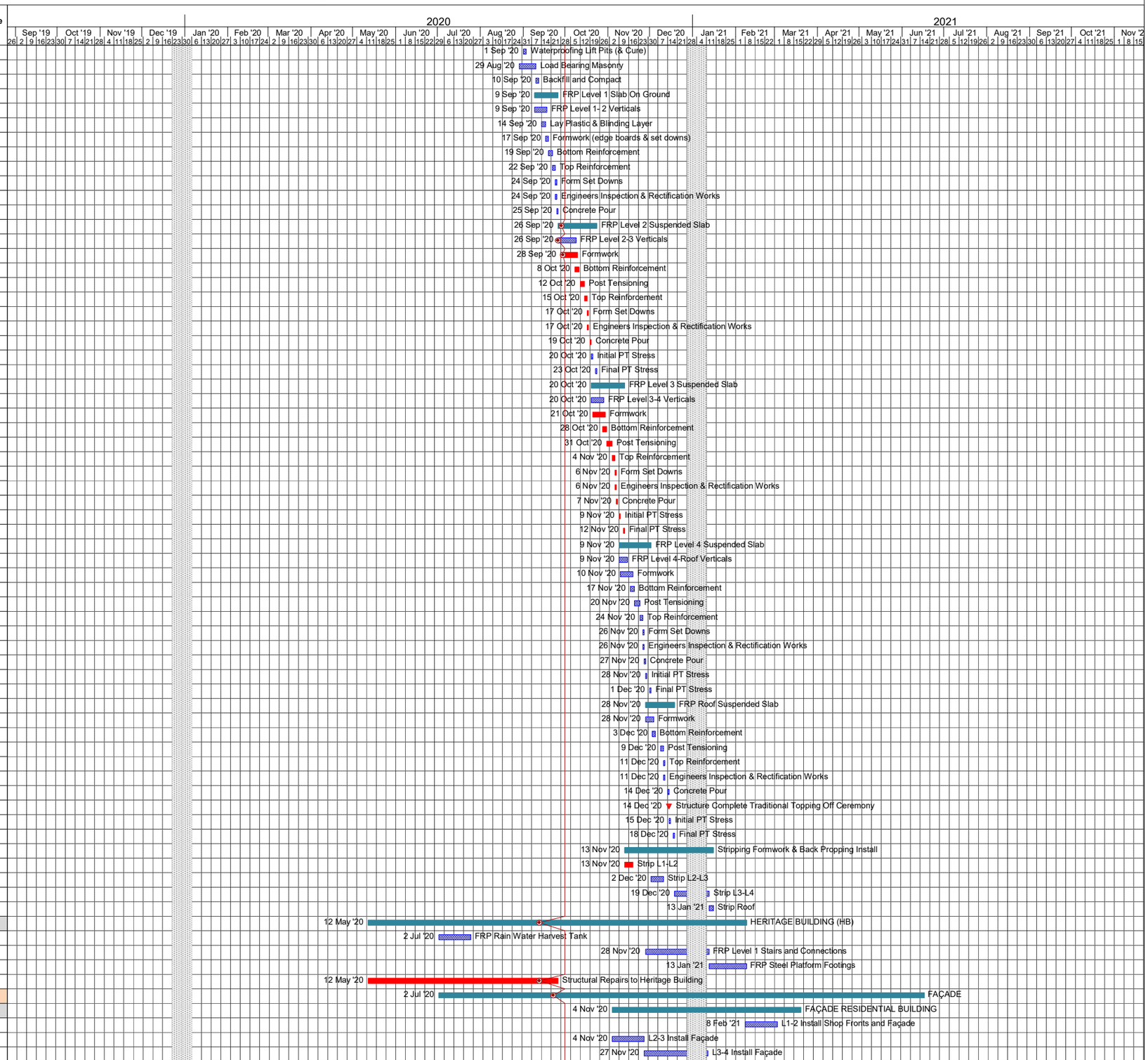
ID	Task Name	Dur	Start	Finish	% Complete
276	Blockwork on Capping Beam Footing	20 d	Wed 24/06/20	Thu 16/07/20	100%
277	**STRUCTURE WORKS**	**239 d**	**Tue 12/05/20**	**Fri 19/03/21**	**60%**
278	**RESIDENTIAL BUILDING (RB)**	**221 d**	**Tue 2/06/20**	**Fri 19/03/21**	**71%**
279	Pile Trimming	10 d	Tue 2/06/20	Wed 17/06/20	100%
280	FRP Footings, Pile Caps & Beams	10 d	Thu 18/06/20	Mon 29/06/20	100%
281	FRP Lift Pits	10 d	Thu 18/06/20	Mon 29/06/20	100%
282	FRP Crane Base	6 d	Thu 4/06/20	Mon 15/06/20	100%
283	In Ground Services	20 d	Thu 2/07/20	Fri 24/07/20	100%
284	**FRP Level 1 Slab On Ground**	**20 d**	**Thu 23/07/20**	**Fri 14/08/20**	**100%**
285	Formwork (edge boards & set downs)	5 d	Thu 23/07/20	Tue 28/07/20	100%
286	Lay Plastic & Blinding layer	2 d	Sat 25/07/20	Mon 27/07/20	100%
287	Bottom Reinforcement	4 d	Wed 29/07/20	Sat 1/08/20	100%
288	Top Reinforcement	4 d	Mon 3/08/20	Thu 6/08/20	100%
289	Engineers Inspection & Rectification Works	1 d	Fri 7/08/20	Fri 7/08/20	100%
290	Concrete Pour	1 d	Sat 8/08/20	Sat 8/08/20	100%
291	FRP Level 1- 2 Verticals	5 d	Mon 10/08/20	Fri 14/08/20	100%
292	**FRP Level 2 Suspended Slab**	**27 d**	**Mon 10/08/20**	**Wed 9/09/20**	**100%**
293	Formwork	12 d	Mon 10/08/20	Sat 22/08/20	100%
294	Bottom Reinforcement	3 d	Fri 21/08/20	Mon 24/08/20	100%
295	Post Tensioning	2 d	Tue 25/08/20	Wed 26/08/20	100%
296	Top Reinforcement	2 d	Thu 27/08/20	Fri 28/08/20	100%
297	Form Set Downs	1 d	Sat 29/08/20	Sat 29/08/20	100%
298	Engineers Inspection & Rectification Works	1 d	Sat 29/08/20	Sat 29/08/20	100%
299	Concrete Pour	1 d	Mon 31/08/20	Mon 31/08/20	100%
300	FRP Level 2-3 Verticals	8 d	Tue 1/09/20	Wed 9/09/20	100%
301	Initial PT Stress	1 d	Tue 1/09/20	Tue 1/09/20	100%
302	Final PT Stress	1 d	Fri 4/09/20	Fri 4/09/20	100%
303	**FRP Level 3 Suspended Slab**	**26 d**	**Wed 2/09/20**	**Thu 1/10/20**	**97%**
304	Formwork	8 d	Wed 2/09/20	Thu 10/09/20	100%
305	Bottom Reinforcement	3 d	Fri 11/09/20	Mon 14/09/20	100%
306	Post Tensioning	3 d	Tue 15/09/20	Thu 17/09/20	100%
307	Top Reinforcement	2 d	Fri 18/09/20	Sat 19/09/20	100%
308	Form Set Downs	1 d	Mon 21/09/20	Mon 21/09/20	100%
309	Engineers Inspection & Rectification Works	1 d	Mon 21/09/20	Mon 21/09/20	100%
310	Concrete Pour	1 d	Tue 22/09/20	Tue 22/09/20	100%
311	FRP Level 3-4 Verticals	8 d	Wed 23/09/20	Thu 1/10/20	90%
312	Initial PT Stress	1 d	Wed 23/09/20	Wed 23/09/20	100%
313	Final PT Stress	1 d	Mon 28/09/20	Mon 28/09/20	100%
314	**FRP Level 4 Suspended Slab**	**26 d**	**Thu 24/09/20**	**Tue 27/10/20**	**22%**
315	Formwork	8 d	Thu 24/09/20	Fri 2/10/20	75%
316	Bottom Reinforcement	3 d	Wed 7/10/20	Fri 9/10/20	0%
317	Post Tensioning	3 d	Sat 10/10/20	Tue 13/10/20	0%
318	Top Reinforcement	2 d	Wed 14/10/20	Thu 15/10/20	0%
319	Set Downs	1 d	Fri 16/10/20	Fri 16/10/20	0%
320	Engineers Inspection & Rectification Works	1 d	Fri 16/10/20	Fri 16/10/20	0%
321	Concrete Pour	1 d	Mon 19/10/20	Mon 19/10/20	0%
322	FRP Level 4-Roof Verticals	6 d	Tue 20/10/20	Mon 26/10/20	0%
323	Initial PT Stress	1 d	Tue 20/10/20	Tue 20/10/20	0%
324	Final PT Stress	1 d	Tue 27/10/20	Tue 27/10/20	0%
325	**FRP Roof Suspended Slab**	**16 d**	**Wed 21/10/20**	**Sat 7/11/20**	**0%**
326	Formwork	4 d	Wed 21/10/20	Sat 24/10/20	0%
327	Bottom Reinforcement	2 d	Fri 23/10/20	Sat 24/10/20	0%
328	Post Tensioning	2 d	Mon 26/10/20	Tue 27/10/20	0%
329	Top Reinforcement	1 d	Wed 28/10/20	Wed 28/10/20	0%
330	Engineers Inspection & Rectification Works	1 d	Thu 29/10/20	Thu 29/10/20	0%
331	Concrete Pour	1 d	Fri 30/10/20	Fri 30/10/20	0%
332	Initial PT Stress	1 d	Sat 31/10/20	Sat 31/10/20	0%
333	Final PT Stress	1 d	Sat 7/11/20	Sat 7/11/20	0%
334	**Stripping Formwork & Back Propping Install**	**35 d**	**Tue 29/09/20**	**Wed 11/11/20**	**14%**
335	Strip L1-L2	5 d	Tue 29/09/20	Wed 7/10/20	50%
336	Strip L2-L3	5 d	Wed 28/10/20	Mon 2/11/20	0%
337	Strip L3-L4	5 d	Tue 3/11/20	Sat 7/11/20	0%
338	Strip Roof	3 d	Mon 9/11/20	Wed 11/11/20	0%
339	**Structural Infills**	**10 d**	**Tue 9/03/21**	**Fri 19/03/21**	**0%**
340	FRP Tower Crane Infill	10 d	Tue 9/03/21	Fri 19/03/21	0%
341	**EDUCATION BUILDING (EB)**	**121 d**	**Mon 3/08/20**	**Fri 15/01/21**	**40%**
342	Pile Trimming	11 d	Mon 3/08/20	Fri 14/08/20	100%
343	In Ground Services	8 d	Mon 3/08/20	Tue 11/08/20	100%
344	FRP Footings and Tie Beams	12 d	Sat 15/08/20	Fri 28/08/20	100%
345	FRP Lift Pits	10 d	Thu 20/08/20	Mon 31/08/20	100%



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

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ID	Task Name	Dur	Start	Finish	% Complete
346	Waterproofing Lift Pits (& Cure)	2 d	Tue 1/09/20	Wed 2/09/20	100%
347	Load Bearing Masonry	10 d	Sat 29/08/20	Wed 9/09/20	100%
348	Backfill and Compact	2 d	Thu 10/09/20	Fri 11/09/20	100%
349	**FRP Level 1 Slab On Ground**	**15 d**	**Wed 9/09/20**	**Fri 25/09/20**	**100%**
350	FRP Level 1- 2 Verticals	8 d	Wed 9/09/20	Thu 17/09/20	100%
351	Lay Plastic & Blinding Layer	3 d	Mon 14/09/20	Wed 16/09/20	100%
352	Formwork (edge boards & set downs)	2 d	Thu 17/09/20	Fri 18/09/20	100%
353	Bottom Reinforcement	2 d	Sat 19/09/20	Mon 21/09/20	100%
354	Top Reinforcement	2 d	Tue 22/09/20	Wed 23/09/20	100%
355	Form Set Downs	1 d	Thu 24/09/20	Thu 24/09/20	100%
356	Engineers Inspection & Rectification Works	1 d	Thu 24/09/20	Thu 24/09/20	100%
357	Concrete Pour	1 d	Fri 25/09/20	Fri 25/09/20	100%
358	**FRP Level 2 Suspended Slab**	**21 d**	**Sat 26/09/20**	**Fri 23/10/20**	**6%**
359	FRP Level 2-3 Verticals	8 d	Sat 26/09/20	Thu 8/10/20	0%
360	Formwork	8 d	Mon 28/09/20	Fri 9/10/20	20%
361	Bottom Reinforcement	3 d	Thu 8/10/20	Sat 10/10/20	0%
362	Post Tensioning	3 d	Mon 12/10/20	Wed 14/10/20	0%
363	Top Reinforcement	2 d	Thu 15/10/20	Fri 16/10/20	0%
364	Form Set Downs	1 d	Sat 17/10/20	Sat 17/10/20	0%
365	Engineers Inspection & Rectification Works	1 d	Sat 17/10/20	Sat 17/10/20	0%
366	Concrete Pour	1 d	Mon 19/10/20	Mon 19/10/20	0%
367	Initial PT Stress	1 d	Tue 20/10/20	Tue 20/10/20	0%
368	Final PT Stress	1 d	Fri 23/10/20	Fri 23/10/20	0%
369	**FRP Level 3 Suspended Slab**	**21 d**	**Tue 20/10/20**	**Thu 12/11/20**	**0%**
370	FRP Level 3-4 Verticals	8 d	Tue 20/10/20	Wed 28/10/20	0%
371	Formwork	8 d	Wed 21/10/20	Thu 29/10/20	0%
372	Bottom Reinforcement	3 d	Wed 28/10/20	Fri 30/10/20	0%
373	Post Tensioning	3 d	Sat 31/10/20	Tue 3/11/20	0%
374	Top Reinforcement	2 d	Wed 4/11/20	Thu 5/11/20	0%
375	Form Set Downs	1 d	Fri 6/11/20	Fri 6/11/20	0%
376	Engineers Inspection & Rectification Works	1 d	Fri 6/11/20	Fri 6/11/20	0%
377	Concrete Pour	1 d	Sat 7/11/20	Sat 7/11/20	0%
378	Initial PT Stress	1 d	Mon 9/11/20	Mon 9/11/20	0%
379	Final PT Stress	1 d	Thu 12/11/20	Thu 12/11/20	0%
380	**FRP Level 4 Suspended Slab**	**20 d**	**Mon 9/11/20**	**Tue 1/12/20**	**0%**
381	FRP Level 4-Roof Verticals	6 d	Mon 9/11/20	Sat 14/11/20	0%
382	Formwork	8 d	Tue 10/11/20	Wed 18/11/20	0%
383	Bottom Reinforcement	3 d	Tue 17/11/20	Thu 19/11/20	0%
384	Post Tensioning	3 d	Fri 20/11/20	Mon 23/11/20	0%
385	Top Reinforcement	2 d	Tue 24/11/20	Wed 25/11/20	0%
386	Form Set Downs	1 d	Thu 26/11/20	Thu 26/11/20	0%
387	Engineers Inspection & Rectification Works	1 d	Thu 26/11/20	Thu 26/11/20	0%
388	Concrete Pour	1 d	Fri 27/11/20	Fri 27/11/20	0%
389	Initial PT Stress	1 d	Sat 28/11/20	Sat 28/11/20	0%
390	Final PT Stress	1 d	Tue 1/12/20	Tue 1/12/20	0%
391	**FRP Roof Suspended Slab**	**15 d**	**Sat 28/11/20**	**Fri 18/12/20**	**0%**
392	Formwork	5 d	Sat 28/11/20	Thu 3/12/20	0%
393	Bottom Reinforcement	2 d	Thu 3/12/20	Fri 4/12/20	0%
394	Post Tensioning	2 d	Wed 9/12/20	Thu 10/12/20	0%
395	Top Reinforcement	1 d	Fri 11/12/20	Fri 11/12/20	0%
396	Engineers Inspection & Rectification Works	1 d	Fri 11/12/20	Fri 11/12/20	0%
397	Concrete Pour	1 d	Mon 14/12/20	Mon 14/12/20	0%
398	*Structure Complete Traditional Topping Off Ceremony*	*0 d*	*Mon 14/12/20*	*Mon 14/12/20*	*0%*
399	Initial PT Stress	1 d	Tue 15/12/20	Tue 15/12/20	0%
400	Final PT Stress	1 d	Fri 18/12/20	Fri 18/12/20	0%
401	**Stripping Formwork & Back Propping Install**	**36 d**	**Fri 13/11/20**	**Fri 15/01/21**	**0%**
402	Strip L1-L2	5 d	Fri 13/11/20	Wed 18/11/20	0%
403	Strip L2-L3	5 d	Wed 2/12/20	Thu 10/12/20	0%
404	Strip L3-L4	5 d	Sat 19/12/20	Tue 12/01/21	0%
405	Strip Roof	3 d	Wed 13/01/21	Fri 15/01/21	0%
406	**HERITAGE BUILDING (HB)**	**205 d**	**Tue 12/05/20**	**Mon 8/02/21**	**70%**
407	FRP Rain Water Harvest Tank	20 d	Thu 2/07/20	Fri 24/07/20	100%
408	FRP Level 1 Stairs and Connections	20 d	Sat 28/11/20	Tue 12/01/21	0%
409	FRP Steel Platform Footings	20 d	Wed 13/01/21	Mon 8/02/21	0%
410	Structural Repairs to Heritage Building	114 d	Tue 12/05/20	Fri 25/09/20	90%
411	**FAÇADE**	**265 d**	**Thu 2/07/20**	**Wed 16/06/21**	**9%**
412	**FAÇADE RESIDENTIAL BUILDING**	**95 d**	**Wed 4/11/20**	**Fri 19/03/21**	**0%**
413	L1-2 Install Shop Fronts and Façade	20 d	Mon 8/02/21	Tue 2/03/21	0%
414	L2-3 Install Façade	20 d	Wed 4/11/20	Thu 26/11/20	0%
415	L3-4 Install Façade	20 d	Fri 27/11/20	Mon 11/01/21	0%

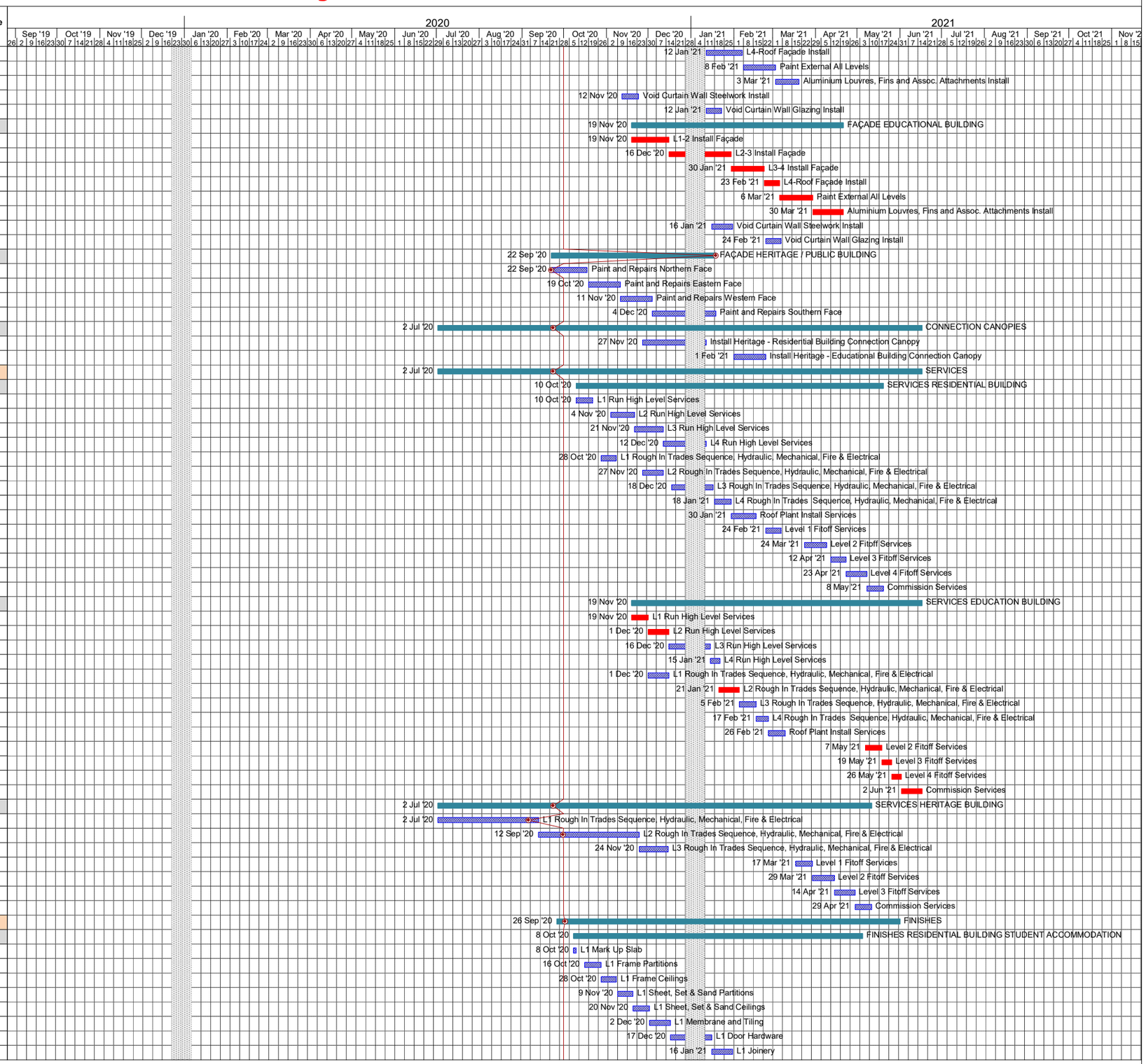


Critical Task — Non-critical — Milestone — Project Summary — Summary

Prepared By: RMc
Checked:
Revision : Rev 8 Contract

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ID	Task Name	Dur	Start	Finish	% Complete
416	L4-Roof Façade Install	20 d	Tue 12/01/21	Sat 6/02/21	0%
417	Paint External All Levels	20 d	Mon 8/02/21	Tue 2/03/21	0%
418	Aluminium Louvres, Fins and Assoc. Attachments Install	15 d	Wed 3/03/21	Fri 19/03/21	0%
419	Void Curtain Wall Steelwork Install	10 d	Thu 12/11/20	Mon 23/11/20	0%
420	Void Curtain Wall Glazing Install	10 d	Tue 12/01/21	Fri 22/01/21	0%
421	**FAÇADE EDUCATIONAL BUILDING**	**105 d**	**Thu 19/11/20**	**Tue 20/04/21**	**0%**
422	L1-2 Install Façade	20 d	Thu 19/11/20	Tue 15/12/20	0%
423	L2-3 Install Façade	20 d	Wed 16/12/20	Fri 29/01/21	0%
424	L3-4 Install Façade	20 d	Sat 30/01/21	Mon 22/02/21	0%
425	L4-Roof Façade Install	10 d	Tue 23/02/21	Fri 5/03/21	0%
426	Paint External All Levels	20 d	Sat 6/03/21	Mon 29/03/21	0%
427	Aluminium Louvres, Fins and Assoc. Attachments Install	15 d	Tue 30/03/21	Tue 20/04/21	0%
428	Void Curtain Wall Steelwork Install	10 d	Sat 16/01/21	Sat 30/01/21	0%
429	Void Curtain Wall Glazing Install	10 d	Wed 24/02/21	Sat 6/03/21	0%
430	**FAÇADE HERITAGE / PUBLIC BUILDING**	**80 d**	**Tue 22/09/20**	**Mon 18/01/21**	**0%**
431	Paint and Repairs Northern Face	20 d	Tue 22/09/20	Sat 17/10/20	0%
432	Paint and Repairs Eastern Face	20 d	Mon 19/10/20	Tue 10/11/20	0%
433	Paint and Repairs Western Face	20 d	Wed 11/11/20	Thu 3/12/20	0%
434	Paint and Repairs Southern Face	20 d	Fri 4/12/20	Mon 18/01/21	0%
435	**CONNECTION CANOPIES**	**265 d**	**Thu 2/07/20**	**Wed 16/06/21**	**15%**
436	Install Heritage - Residential Building Connection Canopy	20 d	Fri 27/11/20	Mon 11/01/21	0%
437	Install Heritage - Educational Building Connection Canopy	20 d	Mon 1/02/21	Tue 23/02/21	0%
438	**SERVICES**	**265 d**	**Thu 2/07/20**	**Wed 16/06/21**	**16%**
439	**SERVICES RESIDENTIAL BUILDING**	**161 d**	**Sat 10/10/20**	**Wed 19/05/21**	**0%**
440	L1 Run High Level Services	10 d	Sat 10/10/20	Wed 21/10/20	0%
441	L2 Run High Level Services	15 d	Wed 4/11/20	Fri 20/11/20	0%
442	L3 Run High Level Services	15 d	Sat 21/11/20	Fri 11/12/20	0%
443	L4 Run High Level Services	10 d	Sat 12/12/20	Mon 11/01/21	0%
444	L1 Rough In Trades Sequence, Hydraulic, Mechanical, Fir	10 d	Wed 28/10/20	Sat 7/11/20	0%
445	L2 Rough In Trades Sequence, Hydraulic, Mechanical, Fir	10 d	Fri 27/11/20	Fri 11/12/20	0%
446	L3 Rough In Trades Sequence, Hydraulic, Mechanical, Fir	10 d	Fri 18/12/20	Sat 16/01/21	0%
447	L4 Rough In Trades Sequence, Hydraulic, Mechanical, Fi	8 d	Mon 18/01/21	Fri 29/01/21	0%
448	Roof Plant Install Services	15 d	Sat 30/01/21	Tue 16/02/21	0%
449	Level 1 Fitoff Services	10 d	Wed 24/02/21	Sat 6/03/21	0%
450	Level 2 Fitoff Services	10 d	Wed 24/03/21	Thu 8/04/21	0%
451	Level 3 Fitoff Services	10 d	Mon 12/04/21	Thu 22/04/21	0%
452	Level 4 Fitoff Services	10 d	Fri 23/04/21	Fri 7/05/21	0%
453	Commission Services	10 d	Sat 8/05/21	Wed 19/05/21	0%
454	**SERVICES EDUCATION BUILDING**	**148 d**	**Thu 19/11/20**	**Wed 16/06/21**	**0%**
455	L1 Run High Level Services	10 d	Thu 19/11/20	Mon 30/11/20	0%
456	L2 Run High Level Services	10 d	Tue 1/12/20	Tue 15/12/20	0%
457	L3 Run High Level Services	10 d	Wed 16/12/20	Thu 14/01/21	0%
458	L4 Run High Level Services	6 d	Fri 15/01/21	Thu 21/01/21	0%
459	L1 Rough In Trades Sequence, Hydraulic, Mechanical, Fir	10 d	Tue 1/12/20	Tue 15/12/20	0%
460	L2 Rough In Trades Sequence, Hydraulic, Mechanical, Fir	10 d	Thu 21/01/21	Thu 4/02/21	0%
461	L3 Rough In Trades Sequence, Hydraulic, Mechanical, Fir	10 d	Fri 5/02/21	Tue 16/02/21	0%
462	L4 Rough In Trades Sequence, Hydraulic, Mechanical, Fi	8 d	Wed 17/02/21	Thu 25/02/21	0%
463	Roof Plant Install Services	10 d	Fri 26/02/21	Tue 9/03/21	0%
464	Level 2 Fitoff Services	10 d	Fri 7/05/21	Tue 18/05/21	0%
465	Level 3 Fitoff Services	6 d	Wed 19/05/21	Tue 25/05/21	0%
466	Level 4 Fitoff Services	6 d	Wed 26/05/21	Tue 1/06/21	0%
467	Commission Services	10 d	Wed 2/06/21	Wed 16/06/21	0%
468	**SERVICES HERITAGE BUILDING**	**236.75 d**	**Thu 2/07/20**	**Tue 11/05/21**	**40%**
469	L1 Rough In Trades Sequence, Hydraulic, Mechanical, Fir	63 d	Thu 2/07/20	Sat 12/09/20	90%
470	L2 Rough In Trades Sequence, Hydraulic, Mechanical, Fir	59 d	Sat 12/09/20	Tue 24/11/20	25%
471	L3 Rough In Trades Sequence, Hydraulic, Mechanical, Fir	15 d	Tue 24/11/20	Tue 15/12/20	0%
472	Level 1 Fitoff Services	10 d	Wed 17/03/21	Mon 29/03/21	0%
473	Level 2 Fitoff Services	10 d	Mon 29/03/21	Wed 14/04/21	0%
474	Level 3 Fitoff Services	10 d	Wed 14/04/21	Thu 29/04/21	0%
475	Commission Services	10 d	Thu 29/04/21	Tue 11/05/21	0%
476	**FINISHES**	**180 d**	**Sat 26/09/20**	**Mon 31/05/21**	**1%**
477	**FINISHES RESIDENTIAL BUILDING STUDENT ACCOMM**	**150 d**	**Thu 8/10/20**	**Tue 4/05/21**	**0%**
478	L1 Mark Up Slab	2 d	Thu 8/10/20	Fri 9/10/20	0%
479	L1 Frame Partitions	10 d	Fri 16/10/20	Tue 27/10/20	0%
480	L1 Frame Ceilings	10 d	Wed 28/10/20	Sat 7/11/20	0%
481	L1 Sheet, Set & Sand Partitions	10 d	Mon 9/11/20	Thu 19/11/20	0%
482	L1 Sheet, Set & Sand Ceilings	10 d	Fri 20/11/20	Tue 1/12/20	0%
483	L1 Membrane and Tiling	10 d	Wed 2/12/20	Wed 16/12/20	0%
484	L1 Door Hardware	10 d	Thu 17/12/20	Fri 15/01/21	0%
485	L1 Joinery	10 d	Sat 16/01/21	Sat 30/01/21	0%



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

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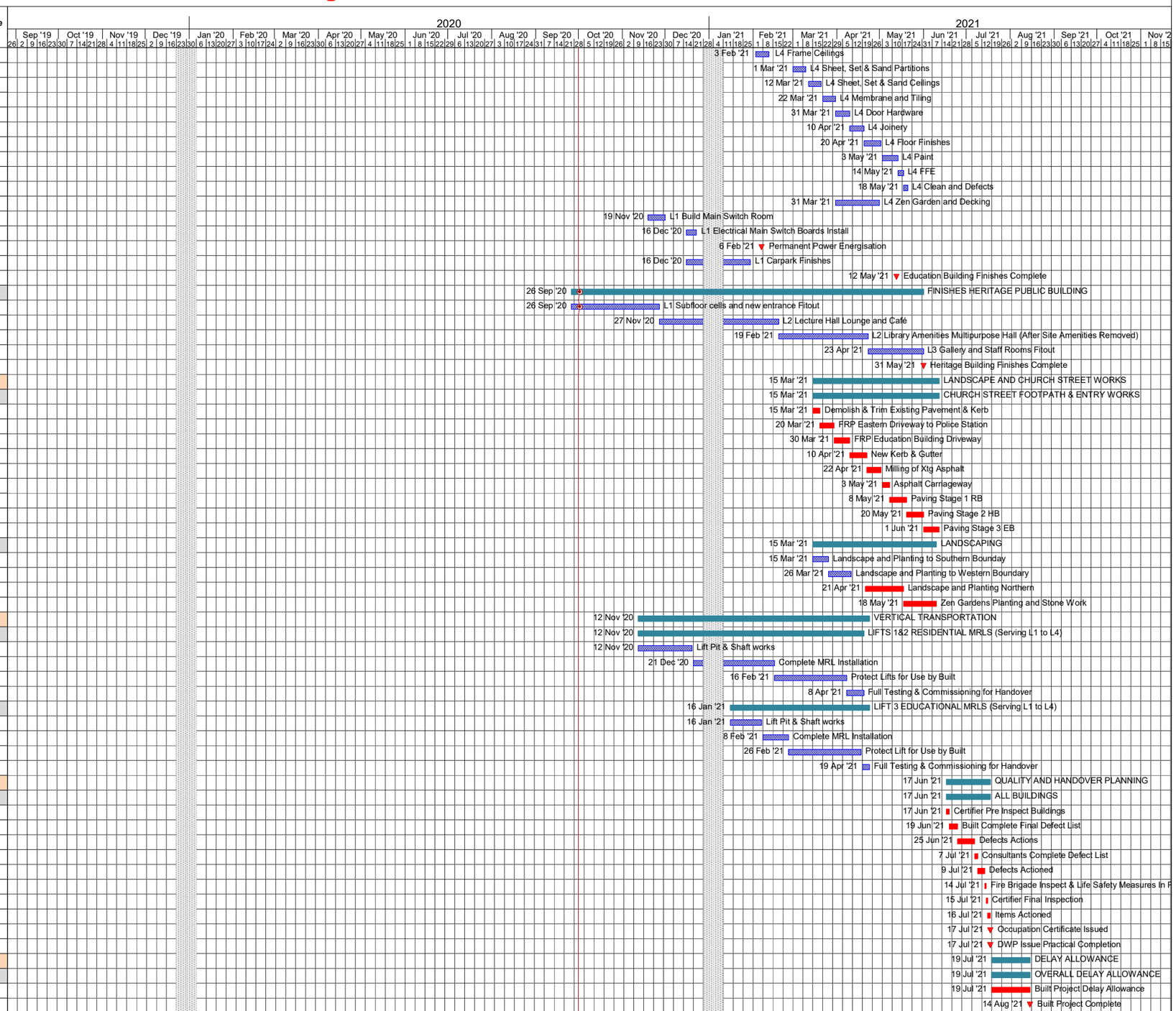
ID	Task Name	Dur	Start	Finish	% Complete
486	L1 Floor Finishes	10 d	Mon 1/02/21	Thu 11/02/21	0%
487	L1 Paint	10 d	Fri 12/02/21	Tue 23/02/21	0%
488	L1 FFE	5 d	Wed 24/02/21	Mon 1/03/21	0%
489	L1 Clean and Defects	5 d	Tue 2/03/21	Sat 6/03/21	0%
490	L1 Cafeteria and Kitchen Fitout	40 d	Mon 8/03/21	Fri 30/04/21	0%
491	L2 Mark Up Slab	1 d	Tue 3/11/20	Tue 3/11/20	0%
492	L2 Frame Partitions	10 d	Mon 16/11/20	Thu 26/11/20	0%
493	L2 Frame Ceilings	10 d	Fri 27/11/20	Fri 11/12/20	0%
494	L2 Sheet, Set & Sand Partitions	10 d	Sat 12/12/20	Mon 11/01/21	0%
495	L2 Sheet, Set & Sand Ceilings	10 d	Tue 12/01/21	Fri 22/01/21	0%
496	L2 Membrane and Tiling	10 d	Wed 27/01/21	Sat 6/02/21	0%
497	L2 Door Hardware	5 d	Mon 8/02/21	Fri 12/02/21	0%
498	L2 Joinery	10 d	Thu 11/02/21	Mon 22/02/21	0%
499	L2 Floor Finishes	15 d	Tue 23/02/21	Thu 11/03/21	0%
500	L2 Paint	10 d	Fri 12/03/21	Tue 23/03/21	0%
501	L2 FFE	5 d	Wed 24/03/21	Mon 29/03/21	0%
502	L2 Clean and Defects	5 d	Tue 30/03/21	Thu 8/04/21	0%
503	L3 Mark Up Slab	2 d	Mon 9/11/20	Tue 10/11/20	0%
504	L3 Frame Partitions	10 d	Thu 3/12/20	Thu 17/12/20	0%
505	L3 Frame Ceilings	10 d	Fri 18/12/20	Sat 16/01/21	0%
506	L3 Sheet, Set & Sand Partitions	10 d	Mon 18/01/21	Mon 1/02/21	0%
507	L3 Sheet, Set & Sand Ceilings	10 d	Tue 2/02/21	Fri 12/02/21	0%
508	L3 Membrane and Tiling	10 d	Sat 13/02/21	Wed 24/02/21	0%
509	L3 Door Hardware	5 d	Thu 25/02/21	Tue 2/03/21	0%
510	L3 Joinery	10 d	Wed 3/03/21	Sat 13/03/21	0%
511	L3 Floor Finishes	10 d	Mon 15/03/21	Thu 25/03/21	0%
512	L3 Paint	10 d	Fri 26/03/21	Sat 10/04/21	0%
513	L3 FFE	10 d	Mon 12/04/21	Thu 22/04/21	0%
514	L3 Clean and Defects	4 d	Fri 23/04/21	Fri 30/04/21	0%
515	L4 Mark Up Slab	2 d	Thu 12/11/20	Fri 13/11/20	0%
516	L4 Frame Partitions	8 d	Fri 18/12/20	Thu 14/01/21	0%
517	L4 Frame Ceilings	8 d	Mon 18/01/21	Fri 29/01/21	0%
518	L4 Sheet, Set & Sand Partitions	8 d	Tue 2/02/21	Wed 10/02/21	0%
519	L4 Sheet , Set & Sand Ceilings	8 d	Sat 13/02/21	Mon 22/02/21	0%
520	L4 Membrane and Tiling	10 d	Thu 25/02/21	Mon 8/03/21	0%
521	L4 Door Hardware	5 d	Tue 9/03/21	Sat 13/03/21	0%
522	L4 Joinery	5 d	Mon 15/03/21	Fri 19/03/21	0%
523	L4 Floor Finishes	5 d	Fri 26/03/21	Wed 31/03/21	0%
524	L4 Paint	5 d	Mon 12/04/21	Fri 16/04/21	0%
525	L4 FFE	3 d	Fri 23/04/21	Thu 29/04/21	0%
526	L4 Clean and Defects	3 d	Sat 1/05/21	Tue 4/05/21	0%
527	L4 Zen Garden and Decking	15 d	Tue 9/03/21	Thu 25/03/21	0%
528	*Residential Building Finishes Complete*	*0 d*	*Tue 4/05/21*	*Tue 4/05/21*	*0%*
529	**FINISHES EDUCATIONAL BUILDING**	**128 d**	**Thu 19/11/20**	**Thu 20/05/21**	**0%**
530	L2 Mark Up Slab	2 d	Thu 19/11/20	Fri 20/11/20	0%
531	L2 Frame Partitions	10 d	Thu 10/12/20	Mon 21/12/20	0%
532	L2 Frame Ceilings	10 d	Tue 22/12/20	Wed 20/01/21	0%
533	L2 Sheet, Set & Sand Partitions	10 d	Fri 5/02/21	Tue 16/02/21	0%
534	L2 Sheet, Set & Sand Ceilings	10 d	Wed 17/02/21	Sat 27/02/21	0%
535	L2 Membrane and Tiling	10 d	Mon 1/03/21	Thu 11/03/21	0%
536	L2 Door Hardware	5 d	Fri 12/03/21	Wed 17/03/21	0%
537	L2 Joinery	10 d	Thu 18/03/21	Mon 29/03/21	0%
538	L2 Floor Finishes	10 d	Tue 30/03/21	Wed 14/04/21	0%
539	L2 Paint	10 d	Thu 15/04/21	Thu 29/04/21	0%
540	L2 FFE	6 d	Fri 30/04/21	Thu 6/05/21	0%
541	L2 Clean and Defects	5 d	Fri 7/05/21	Wed 12/05/21	0%
542	L3 Mark Up Slab	2 d	Fri 11/12/20	Sat 12/12/20	0%
543	L3 Frame Partitions	10 d	Tue 22/12/20	Wed 20/01/21	0%
544	L3 Frame Ceilings	10 d	Thu 21/01/21	Thu 4/02/21	0%
545	L3 Sheet, Set & Sand Partitions	10 d	Wed 17/02/21	Sat 27/02/21	0%
546	L3 Sheet, Set & Sand Ceilings	10 d	Mon 1/03/21	Thu 11/03/21	0%
547	L3 Membrane and Tiling	8 d	Mon 8/03/21	Tue 16/03/21	0%
548	L3 Door Hardware	5 d	Mon 15/03/21	Fri 19/03/21	0%
549	L3 Joinery	5 d	Sat 20/03/21	Thu 25/03/21	0%
550	L3 Floor Finishes	8 d	Fri 26/03/21	Thu 8/04/21	0%
551	L3 Paint	10 d	Fri 9/04/21	Tue 20/04/21	0%
552	L3 FFE	5 d	Wed 21/04/21	Thu 29/04/21	0%
553	L3 Clean and Defects	5 d	Fri 30/04/21	Wed 5/05/21	0%
554	L4 Mark Up Slab	1 d	Wed 13/01/21	Wed 13/01/21	0%
555	L4 Frame Partitions	8 d	Thu 21/01/21	Tue 2/02/21	0%



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

Built NIHON UNIVERSITY
9 CHURCH STREET NEWCASTLE 2300
Contract Programme

ID	Task Name	Dur	Start	Finish	% Complete
556	L4 Frame Ceilings	8 d	Wed 3/02/21	Thu 11/02/21	0%
557	L4 Sheet, Set & Sand Partitions	8 d	Mon 1/03/21	Tue 9/03/21	0%
558	L4 Sheet, Set & Sand Ceilings	8 d	Fri 12/03/21	Sat 20/03/21	0%
559	L4 Membrane and Tiling	8 d	Mon 22/03/21	Tue 30/03/21	0%
560	L4 Door Hardware	5 d	Wed 31/03/21	Fri 9/04/21	0%
561	L4 Joinery	8 d	Sat 10/04/21	Mon 19/04/21	0%
562	L4 Floor Finishes	8 d	Tue 20/04/21	Sat 1/05/21	0%
563	L4 Paint	10 d	Mon 3/05/21	Thu 13/05/21	0%
564	L4 FFE	3 d	Fri 14/05/21	Mon 17/05/21	0%
565	L4 Clean and Defects	3 d	Tue 18/05/21	Thu 20/05/21	0%
566	L4 Zen Garden and Decking	20 d	Wed 31/03/21	Fri 30/04/21	0%
567	L1 Build Main Switch Room	10 d	Thu 19/11/20	Mon 30/11/20	0%
568	L1 Electrical Main Switch Boards Install	6 d	Wed 16/12/20	Tue 22/12/20	0%
569	*Permanent Power Energisation*	*0 d*	*Sat 6/02/21*	*Sat 6/02/21*	*0%*
570	L1 Carpark Finishes	20 d	Wed 16/12/20	Fri 29/01/21	0%
571	*Education Building Finishes Complete*	*0 d*	*Wed 12/05/21*	*Wed 12/05/21*	*0%*
572	**FINISHES HERITAGE PUBLIC BUILDING**	**180 d**	**Sat 26/09/20**	**Mon 31/05/21**	**3%**
573	L1 Subfloor cells and new entrance Fitout	50 d	Sat 26/09/20	Thu 26/11/20	10%
574	L2 Lecture Hall Lounge and Café	50 d	Fri 27/11/20	Thu 18/02/21	0%
575	L2 Library Amenities Multipurpose Hall (After Site Amenities Rem	50 d	Fri 19/02/21	Thu 22/04/21	0%
576	L3 Gallery and Staff Rooms Fitout	30 d	Fri 23/04/21	Mon 31/05/21	0%
577	*Heritage Building Finishes Complete*	*0 d*	*Mon 31/05/21*	*Mon 31/05/21*	*0%*
578	**LANDSCAPE AND CHURCH STREET WORKS**	**70 d**	**Mon 15/03/21**	**Fri 11/06/21**	**0%**
579	**CHURCH STREET FOOTPATH & ENTRY WORKS**	**70 d**	**Mon 15/03/21**	**Fri 11/06/21**	**0%**
580	Demolish & Trim Existing Pavement & Kerb	5 d	Mon 15/03/21	Fri 19/03/21	0%
581	FRP Eastern Driveway to Police Station	8 d	Sat 20/03/21	Mon 29/03/21	0%
582	FRP Education Building Driveway	6 d	Tue 30/03/21	Fri 9/04/21	0%
583	New Kerb & Gutter	10 d	Sat 10/04/21	Wed 21/04/21	0%
584	Milling of Xtg Asphalt	6 d	Thu 22/04/21	Sat 1/05/21	0%
585	Asphalt Carriageway	5 d	Mon 3/05/21	Fri 7/05/21	0%
586	Paving Stage 1 RB	10 d	Sat 8/05/21	Wed 19/05/21	0%
587	Paving Stage 2 HB	10 d	Thu 20/05/21	Mon 31/05/21	0%
588	Paving Stage 3 EB	10 d	Tue 1/06/21	Fri 11/06/21	0%
589	**LANDSCAPING**	**68 d**	**Mon 15/03/21**	**Wed 9/06/21**	**0%**
590	Landscape and Planting to Southern Bounday	10 d	Mon 15/03/21	Thu 25/03/21	0%
591	Landscape and Planting to Western Boundary	10 d	Fri 26/03/21	Sat 10/04/21	0%
592	Landscape and Planting Northern	20 d	Wed 21/04/21	Mon 17/05/21	0%
593	Zen Gardens Planting and Stone Work	20 d	Tue 18/05/21	Wed 9/06/21	0%
594	**VERTICAL TRANSPORTATION**	**114 d**	**Thu 12/11/20**	**Fri 23/04/21**	**0%**
595	**LIFTS 1&2 RESIDENTIAL MRLS (Serving L1 to L4)**	**110 d**	**Thu 12/11/20**	**Mon 19/04/21**	**0%**
596	Lift Pit & Shaft works	30 d	Thu 12/11/20	Sat 19/12/20	0%
597	Complete MRL Installation	30 d	Mon 21/12/20	Mon 15/02/21	0%
598	Protect Lifts for Use by Built	40 d	Tue 16/02/21	Wed 7/04/21	0%
599	Full Testing & Commissioning for Handover	10 d	Thu 8/04/21	Mon 19/04/21	0%
600	**LIFT 3 EDUCATIONAL MRLS (Serving L1 to L4)**	**77 d**	**Sat 16/01/21**	**Fri 23/04/21**	**0%**
601	Lift Pit & Shaft works	16 d	Sat 16/01/21	Sat 6/02/21	0%
602	Complete MRL Installation	16 d	Mon 8/02/21	Thu 25/02/21	0%
603	Protect Lift for Use by Built	40 d	Fri 26/02/21	Sat 17/04/21	0%
604	Full Testing & Commissioning for Handover	5 d	Mon 19/04/21	Fri 23/04/21	0%
605	**QUALITY AND HANDOVER PLANNING**	**27 d**	**Thu 17/06/21**	**Sat 17/07/21**	**0%**
606	**ALL BUILDINGS**	**27 d**	**Thu 17/06/21**	**Sat 17/07/21**	**0%**
607	Certifier Pre Inspect Buildings	2 d	Thu 17/06/21	Fri 18/06/21	0%
608	Built Complete Final Defect List	5 d	Sat 19/06/21	Thu 24/06/21	0%
609	Defects Actions	10 d	Fri 25/06/21	Tue 6/07/21	0%
610	Consultants Complete Defect List	2 d	Wed 7/07/21	Thu 8/07/21	0%
611	Defects Actioned	4 d	Fri 9/07/21	Tue 13/07/21	0%
612	Fire Brigade Inspect & Life Safety Measures In Place	1 d	Wed 14/07/21	Wed 14/07/21	0%
613	Certifier Final Inspection	1 d	Thu 15/07/21	Thu 15/07/21	0%
614	Items Actioned	2 d	Fri 16/07/21	Sat 17/07/21	0%
615	*Occupation Certificate Issued*	*0 d*	*Sat 17/07/21*	*Sat 17/07/21*	*0%*
616	*DWP Issue Practical Completion*	*0 d*	*Sat 17/07/21*	*Sat 17/07/21*	*0%*
617	**DELAY ALLOWANCE**	**24 d**	**Mon 19/07/21**	**Sat 14/08/21**	**0%**
618	**OVERALL DELAY ALLOWANCE**	**24 d**	**Mon 19/07/21**	**Sat 14/08/21**	**0%**
619	Built Project Delay Allowance	24 d	Mon 19/07/21	Sat 14/08/21	0%
620	*Built Project Complete*	*0 d*	*Sat 14/08/21*	*Sat 14/08/21*	*0%*



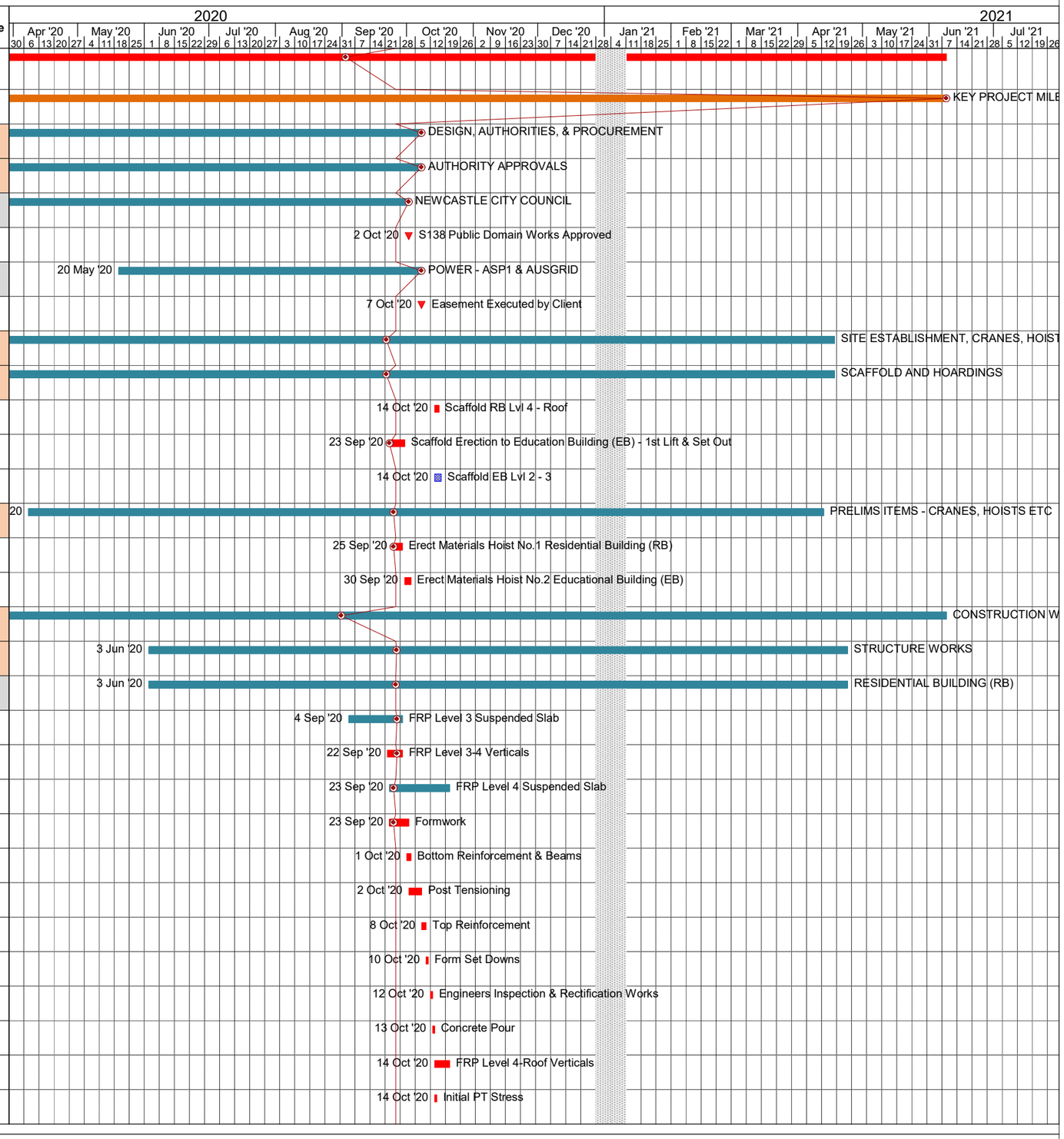
Critical Task | Non-critical | Milestone | Project Summary | Summary

Appendix E – Four Week Programme

Prepared By: RMc
Checked:
Revision : Rev 6 Target

Built NIHON UNIVERSITY
9 CHURCH STREET NEWCASTLE 2300
Construction Programme

ID	Task Name	Dur	Start	Finish	% Complete
0	**NIHON UNIVERSITY NEWCASTLE NSW AUSTRALIA**	**474 d**	**Wed 18/09/19**	**Tue 8/06/21**	**47%**
1	**KEY PROJECT MILESTONES**	**441 d**	**Mon 21/10/19**	**Tue 8/06/21**	**99%**
31	**DESIGN, AUTHORITIES, & PROCUREMENT**	**269 d**	**Mon 21/10/19**	**Wed 7/10/20**	**99%**
48	**AUTHORITY APPROVALS**	**269 d**	**Mon 21/10/19**	**Wed 7/10/20**	**99%**
49	**NEWCASTLE CITY COUNCIL**	**260 d**	**Mon 28/10/19**	**Fri 2/10/20**	**99%**
57	*S138 Public Domain Works Approved*	*0 d*	*Fri 2/10/20*	*Fri 2/10/20*	*0%*
58	**POWER - ASP1 & AUSGRID**	**114 d**	**Wed 20/05/20**	**Wed 7/10/20**	**99%**
61	*Easement Executed by Client*	*0 d*	*Wed 7/10/20*	*Wed 7/10/20*	*0%*
185	**SITE ESTABLISHMENT, CRANES, HOISTS ETC**	**400 d**	**Tue 29/10/19**	**Sat 17/04/21**	**69%**
197	**SCAFFOLD AND HOARDINGS**	**347 d**	**Tue 21/01/20**	**Sat 17/04/21**	**46%**
206	Scaffold RB Lvl 4 - Roof	2 d	Wed 14/10/20	Thu 15/10/20	0%
207	Scaffold Erection to Education Building (EB) - 1st Lift & Set Out	6 d	Wed 23/09/20	Tue 29/09/20	0%
208	Scaffold EB Lvl 2 - 3	3 d	Wed 14/10/20	Fri 16/10/20	0%
214	**PRELIMS ITEMS - CRANES, HOISTS ETC**	**278 d**	**Wed 8/04/20**	**Mon 12/04/21**	**50%**
218	Erect Materials Hoist No.1 Residential Building (RB)	3 d	Fri 25/09/20	Mon 28/09/20	0%
219	Erect Materials Hoist No.2 Educational Building (EB)	3 d	Wed 30/09/20	Fri 2/10/20	0%
222	**CONSTRUCTION WORKS**	**474 d**	**Wed 18/09/19**	**Tue 8/06/21**	**22%**
281	**STRUCTURE WORKS**	**246 d**	**Wed 3/06/20**	**Fri 23/04/21**	**64%**
282	**RESIDENTIAL BUILDING (RB)**	**246 d**	**Wed 3/06/20**	**Fri 23/04/21**	**67%**
316	**FRP Level 3 Suspended Slab**	**21 d**	**Fri 4/09/20**	**Mon 28/09/20**	**94%**
324	FRP Level 3-4 Verticals	6 d	Tue 22/09/20	Mon 28/09/20	75%
327	**FRP Level 4 Suspended Slab**	**21 d**	**Wed 23/09/20**	**Tue 20/10/20**	**8%**
328	Formwork	8 d	Wed 23/09/20	Thu 1/10/20	25%
329	Bottom Reinforcement & Beams	2 d	Thu 1/10/20	Fri 2/10/20	0%
330	Post Tensioning	2 d	Fri 2/10/20	Wed 7/10/20	0%
331	Top Reinforcement	2 d	Thu 8/10/20	Fri 9/10/20	0%
332	Form Set Downs	1 d	Sat 10/10/20	Sat 10/10/20	0%
333	Engineers Inspection & Rectification Works	1 d	Mon 12/10/20	Mon 12/10/20	0%
334	Concrete Pour	1 d	Tue 13/10/20	Tue 13/10/20	0%
335	FRP Level 4-Roof Verticals	6 d	Wed 14/10/20	Tue 20/10/20	0%
336	Initial PT Stress	1 d	Wed 14/10/20	Wed 14/10/20	0%



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

Prepared By: RMc
Checked:
Revision : Rev 6 Target

Built NIHON UNIVERSITY
9 CHURCH STREET NEWCASTLE 2300
Construction Programme

ID	Task Name	Dur	Start	Finish	% Complete
337	Final PT Stress	1 d	Sat 17/10/20	Sat 17/10/20	0%
338	**FRP Roof Suspended Slab**	**15 d**	**Thu 15/10/20**	**Sat 31/10/20**	**0%**
339	Formwork	5 d	Thu 15/10/20	Tue 20/10/20	0%
340	Bottom Reinforcement & Beams	2 d	Wed 21/10/20	Thu 22/10/20	0%
341	Post Tensioning	2 d	Fri 23/10/20	Sat 24/10/20	0%
342	Top Reinforcement	1 d	Tue 27/10/20	Tue 27/10/20	0%
343	Engineers Inspection & Rectification Works	1 d	Tue 27/10/20	Tue 27/10/20	0%
344	Concrete Pour	1 d	Wed 28/10/20	Wed 28/10/20	0%
345	Initial PT Stress	1 d	Thu 29/10/20	Thu 29/10/20	0%
347	**Stripping Formwork & Back Propping Install**	**152 d**	**Fri 25/09/20**	**Fri 23/04/21**	**5%**
348	Strip L1-2	6 d	Fri 25/09/20	Thu 1/10/20	25%
349	Strip L2-3	5 d	Mon 19/10/20	Fri 23/10/20	0%
353	**EDUCATION BUILDING (EB)**	**116 d**	**Mon 27/07/20**	**Tue 15/12/20**	**52%**
366	**FRP Level 1 Slab On Ground**	**14 d**	**Sat 12/09/20**	**Mon 28/09/20**	**100%**
367	**Pour 1**	**14 d**	**Sat 12/09/20**	**Mon 28/09/20**	**100%**
374	FRP Level 1 - 2 Verticals	8 d	Sat 19/09/20	Mon 28/09/20	100%
375	**Pour 2**	**9 d**	**Wed 16/09/20**	**Fri 25/09/20**	**100%**
382	FRP Level 1- 2 Verticals	3 d	Wed 23/09/20	Fri 25/09/20	100%
383	**FRP Level 2 Suspended Slab**	**21 d**	**Thu 24/09/20**	**Wed 21/10/20**	**7%**
384	Formwork	7 d	Thu 24/09/20	Thu 1/10/20	25%
385	Bottom Reinforcement & Beams	2 d	Thu 1/10/20	Fri 2/10/20	0%
386	Post Tensioning	2 d	Wed 7/10/20	Thu 8/10/20	0%
387	Top Reinforcement	2 d	Fri 9/10/20	Sat 10/10/20	0%
388	Form Set Downs	1 d	Mon 12/10/20	Mon 12/10/20	0%
389	Engineers Inspection & Rectification Works	1 d	Mon 12/10/20	Mon 12/10/20	0%
390	Concrete Pour	1 d	Tue 13/10/20	Tue 13/10/20	0%
391	FRP Level 2 - 3 Verticals	7 d	Wed 14/10/20	Wed 21/10/20	0%
392	Initial PT Stress	1 d	Wed 14/10/20	Wed 14/10/20	0%
393	Final PT Stress	1 d	Thu 15/10/20	Thu 15/10/20	0%
394	**FRP Level 3 Suspended Slab**	**21 d**	**Thu 15/10/20**	**Sat 7/11/20**	**0%**
395	Formwork	7 d	Thu 15/10/20	Thu 22/10/20	0%

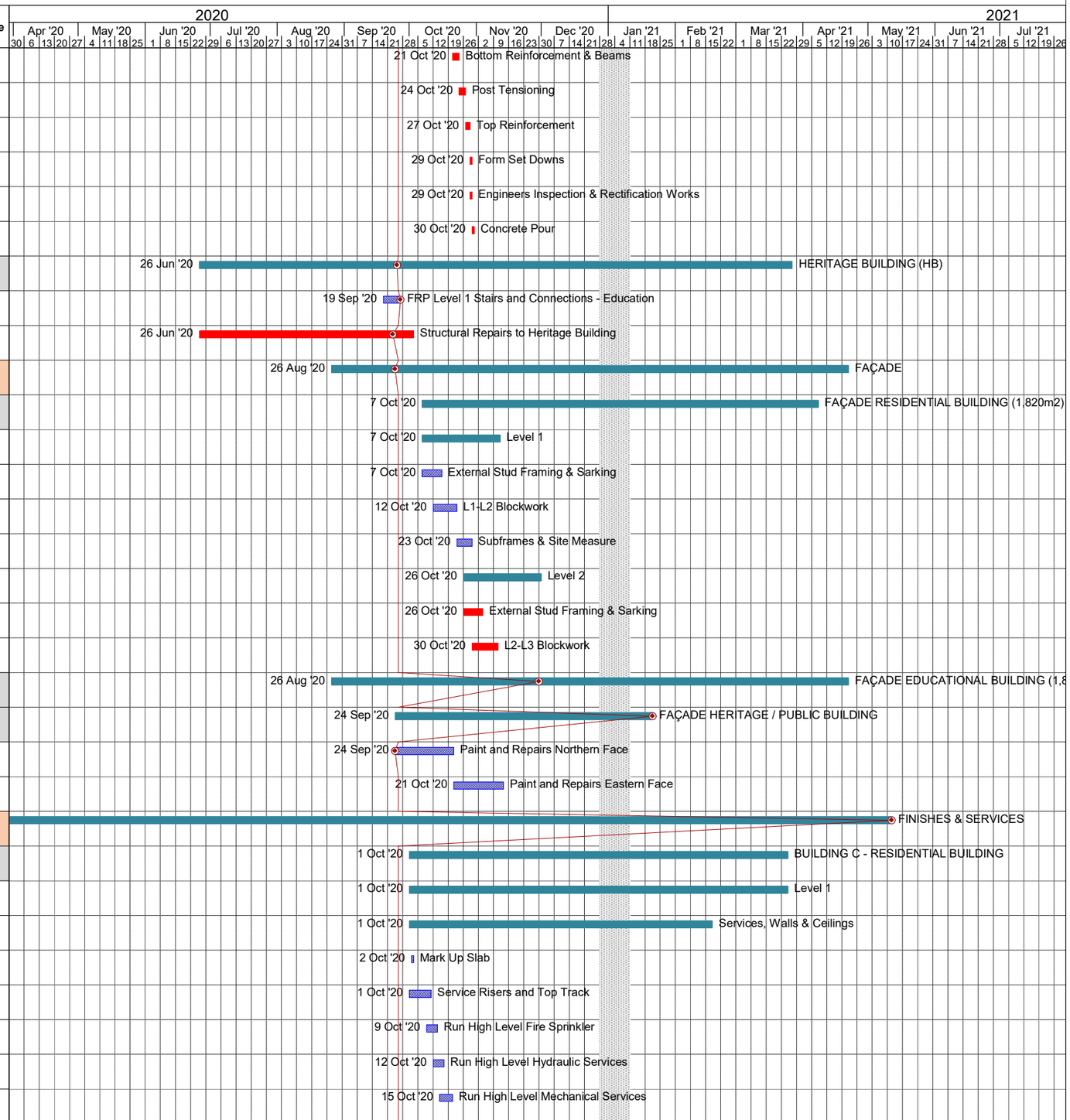


Critical Task | Non-critical | Milestone | Project Summary | Summary

Prepared By: RMc
Checked:
Revision : Rev 6 Target

Built NIHON UNIVERSITY
9 CHURCH STREET NEWCASTLE 2300
Construction Programme

ID	Task Name	Dur	Start	Finish	% Complete
396	Bottom Reinforcement & Beams	3 d	Wed 21/10/20	Fri 23/10/20	0%
397	Post Tensioning	2 d	Sat 24/10/20	Mon 26/10/20	0%
398	Top Reinforcement	2 d	Tue 27/10/20	Wed 28/10/20	0%
399	Form Set Downs	1 d	Thu 29/10/20	Thu 29/10/20	0%
400	Engineers Inspection & Rectification Works	1 d	Thu 29/10/20	Thu 29/10/20	0%
401	Concrete Pour	1 d	Fri 30/10/20	Fri 30/10/20	0%
431	**HERITAGE BUILDING (HB)**	**210 d**	**Fri 26/06/20**	**Fri 26/03/21**	**83%**
433	FRP Level 1 Stairs and Connections - Education	7 d	Sat 19/09/20	Sat 26/09/20	100%
435	Structural Repairs to Heritage Building	85 d	Fri 26/06/20	Fri 2/10/20	90%
436	**FAÇADE**	**176 d**	**Wed 26/08/20**	**Wed 21/04/21**	**3%**
437	**FAÇADE RESIDENTIAL BUILDING (1,820m2)**	**131 d**	**Wed 7/10/20**	**Wed 7/04/21**	**0%**
438	**Level 1**	**31 d**	**Wed 7/10/20**	**Wed 11/11/20**	**0%**
439	External Stud Framing & Sarking	8 d	Wed 7/10/20	Thu 15/10/20	0%
440	L1-L2 Blockwork	10 d	Mon 12/10/20	Thu 22/10/20	0%
441	Subframes & Site Measure	6 d	Fri 23/10/20	Thu 29/10/20	0%
443	**Level 2**	**31 d**	**Mon 26/10/20**	**Mon 30/11/20**	**0%**
444	External Stud Framing & Sarking	8 d	Mon 26/10/20	Tue 3/11/20	0%
445	L2-L3 Blockwork	10 d	Fri 30/10/20	Tue 10/11/20	0%
484	**FAÇADE EDUCATIONAL BUILDING (1,820m2)**	**176 d**	**Wed 26/08/20**	**Wed 21/04/21**	**8%**
522	**FAÇADE HERITAGE / PUBLIC BUILDING**	**80 d**	**Thu 24/09/20**	**Thu 21/01/21**	**0%**
523	Paint and Repairs Northern Face	20 d	Thu 24/09/20	Wed 21/10/20	0%
524	Paint and Repairs Eastern Face	20 d	Wed 21/10/20	Fri 13/11/20	0%
527	**FINISHES & SERVICES**	**450 d**	**Wed 18/09/19**	**Tue 11/05/21**	**0%**
528	**BUILDING C - RESIDENTIAL BUILDING**	**125 d**	**Thu 1/10/20**	**Wed 24/03/21**	**0%**
529	**Level 1**	**125 d**	**Thu 1/10/20**	**Wed 24/03/21**	**0%**
530	**Services, Walls & Ceilings**	**95 d**	**Thu 1/10/20**	**Wed 17/02/21**	**0%**
531	Mark Up Slab	1 d	Fri 2/10/20	Fri 2/10/20	0%
532	Service Risers and Top Track	6 d	Thu 1/10/20	Sat 10/10/20	0%
533	Run High Level Fire Sprinkler	4 d	Fri 9/10/20	Tue 13/10/20	0%
534	Run High Level Hydraulic Services	5 d	Mon 12/10/20	Fri 16/10/20	0%
535	Run High Level Mechanical Services	5 d	Thu 15/10/20	Tue 20/10/20	0%

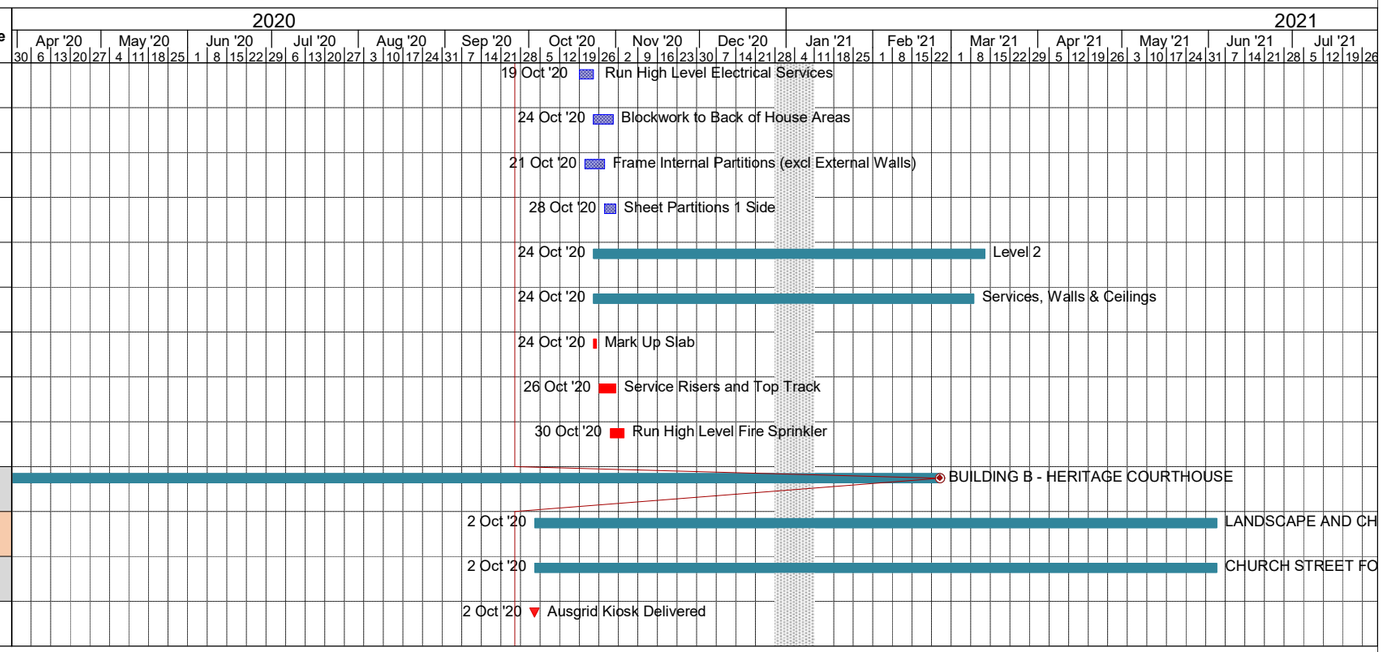


Critical Task | Non-critical | Milestone | Project Summary | Summary

Prepared By: RMc
Checked:
Revision : Rev 6 Target

Built NIHON UNIVERSITY
9 CHURCH STREET NEWCASTLE 2300
Construction Programme

ID	Task Name	Dur	Start	Finish	% Complete
536	Run High Level Electrical Services	5 d	Mon 19/10/20	Fri 23/10/20	0%
537	Blockwork to Back of House Areas	6 d	Sat 24/10/20	Fri 30/10/20	0%
538	Frame Internal Partitions (excl External Walls)	6 d	Wed 21/10/20	Tue 27/10/20	0%
539	Sheet Partitions 1 Side	4 d	Wed 28/10/20	Sat 31/10/20	0%
593	**Level 2**	**98 d**	**Sat 24/10/20**	**Fri 12/03/21**	**0%**
594	**Services, Walls & Ceilings**	**94 d**	**Sat 24/10/20**	**Mon 8/03/21**	**0%**
595	Mark Up Slab	1 d	Sat 24/10/20	Sat 24/10/20	0%
596	Service Risers and Top Track	6 d	Mon 26/10/20	Sat 31/10/20	0%
597	Run High Level Fire Sprinkler	4 d	Fri 30/10/20	Tue 3/11/20	0%
887	**BUILDING B - HERITAGE COURTHOUSE**	**392 d**	**Wed 18/09/19**	**Wed 24/02/21**	**0%**
977	**LANDSCAPE AND CHURCH STREET WORKS**	**177 d**	**Fri 2/10/20**	**Thu 3/06/21**	**0%**
978	**CHURCH STREET FOOTPATH & ENTRY WORKS**	**177 d**	**Fri 2/10/20**	**Thu 3/06/21**	**0%**
979	*Ausgrid Kiosk Delivered*	*0 d*	*Fri 2/10/20*	*Fri 2/10/20*	*0%*



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

Appendix F – Monthly Progress Photos

Building A – Education

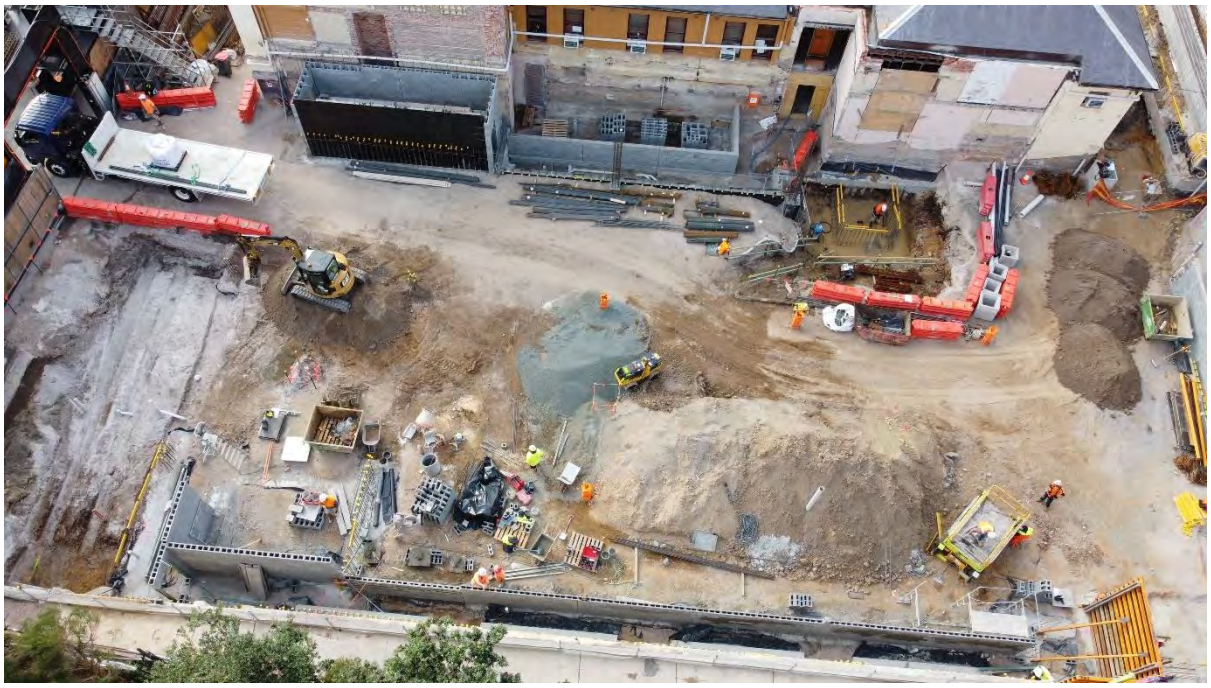


Photo 01: Overview of Building A on 1st September 2020



Photo 02: Formwork to Stair A1 walls ready for concrete pour



Photo 03: Blockwork and formwork to Stair A2 walls



Photo 04: View looking North West of Level 1 Blockwork walls in progress

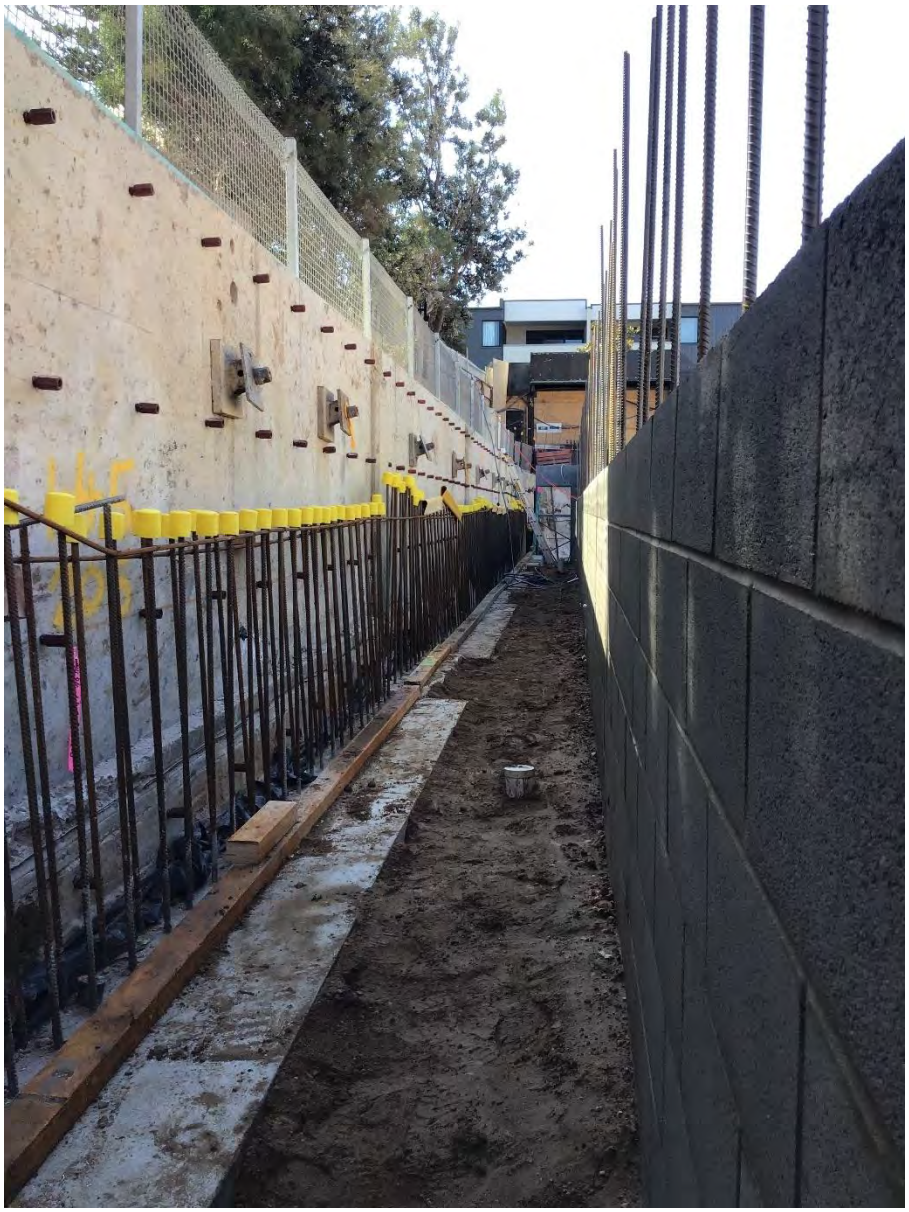


Photo 05: View looking North of fire corridor prior to installation of reinforcement & formwork



Photo 06: Level 1 Blockwork wall complete



Photo 07: View looking North of fire corridor wall ready for concrete pour

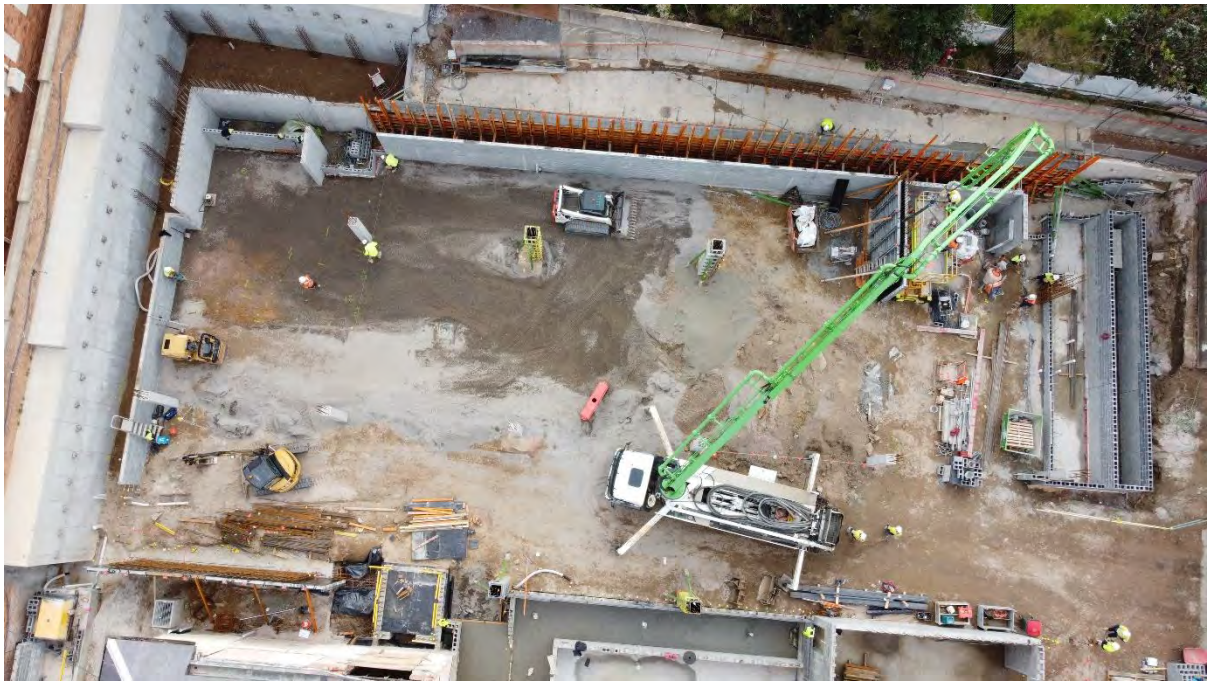


Photo 08: Overview of Building A during concrete pour of walls on 11th September 2020



Photo 09: View looking South West of Stair A1 L1-2 walls and columns. Note ground slab preparation in progress.



Photo 10: Planter box retaining walls in progress



Photo 11: Undercroft area in South West corner ready for concrete pour.



Photo 12: Southern section of Level 1 slab ready to be poured.



Photo 13: Overview of site on 21st September 2020. Northern area of L1 slab ready for pour.



Photo 14: View looking South West showing floor protection to ground slab and L2 formwork in progress.



Photo 15: View looking South East showing formwork in progress.

Building B – Heritage Courthouse



Photo 16: Existing heritage slate roof and chimney & rainwater tanks at rear of Courthouse



Photo 17: Overview of site showing structural repairs to courthouse roof



Photo 18: Installation of in-ground hydraulic services to rear of Courthouse



Photo 19: Overflow pipes installed to rainwater tanks & detailed excavation in progress



Photo 20: Inground services installed to Northern planter box & footing ready for pour.



Photo 21: Rear of Level 2 Female Amenities. Note new roof sheeting installed.



Photo 22: View looking South in Level 1 Corridor 5 showing services & ceiling frames



Photo 23: View looking North in Level 1 Corridor 5 showing services & ceiling frames



Photo 24: Level 1 Comms & Store Room showing services & framing.



Photo 25: View looking East in Level 1 Corridor 4 showing services & framing



Photo 26: View looking West in Level 1 Corridor 4 showing services & framing



Photo 27: View looking West in Level 1 Corridor 1 showing services & framing



Photo 28: View looking East in Level 1 Corridor 1 showing services & framing



Photo 29: Level 1 Book Storage showing services & framing.

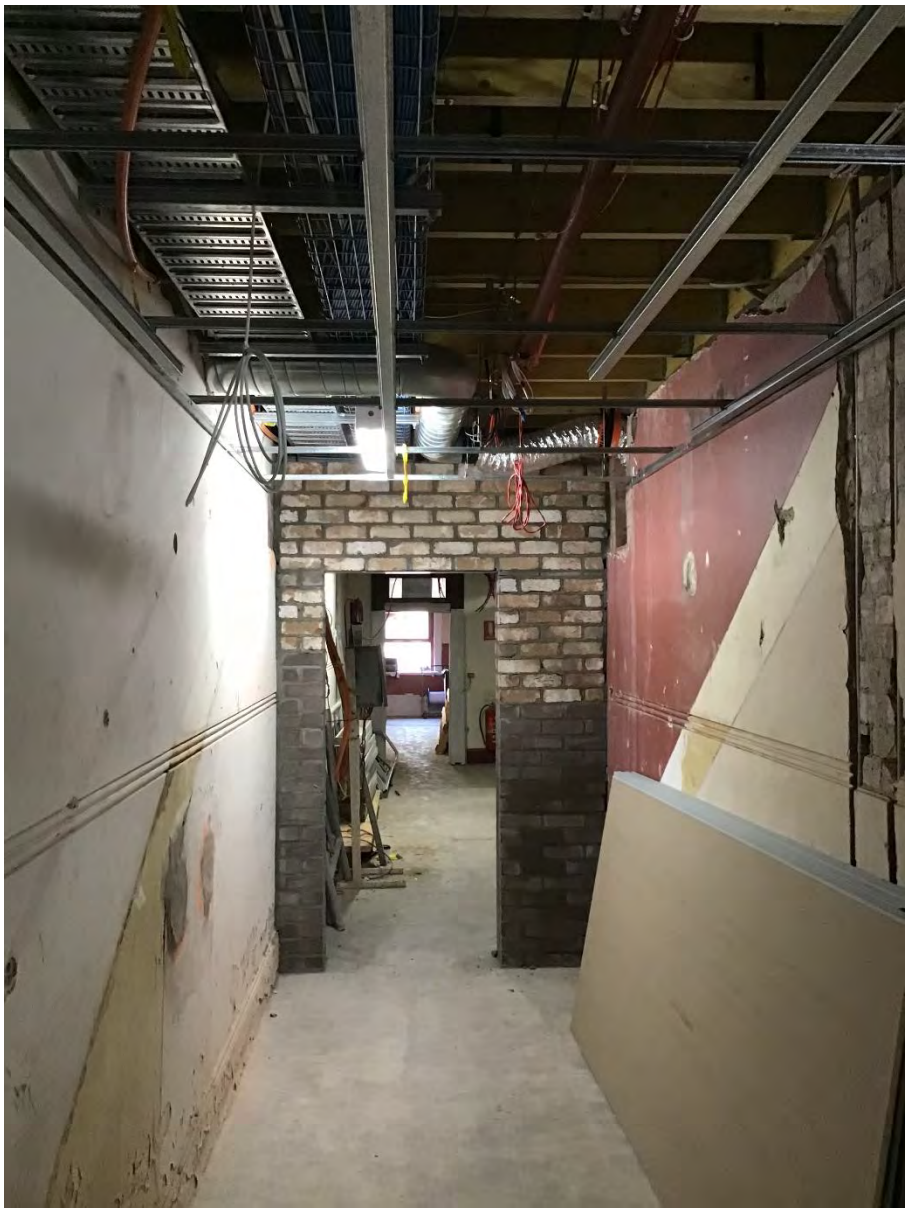


Photo 30: View looking North in Level 1 Corridor 3



Photo 31: Level 1 Lounge showing services & framing



Photo 32: View looking North of Level 2 Corridor 8 showing services rough in



Photo 33: View looking East in Level 2 Corridor 7 showing services rough in



Photo 34: View looking South in Level 2 ACC Corridor



Photo 35: Level 2 ACC WC



Photo 36: Level 2 Male WC



Photo 37: Level 2 ACC WC



Photo 38: Level 2 Female WC



Photo 39: Level 2 Female WC



Photo 40: Level 2 Female WC

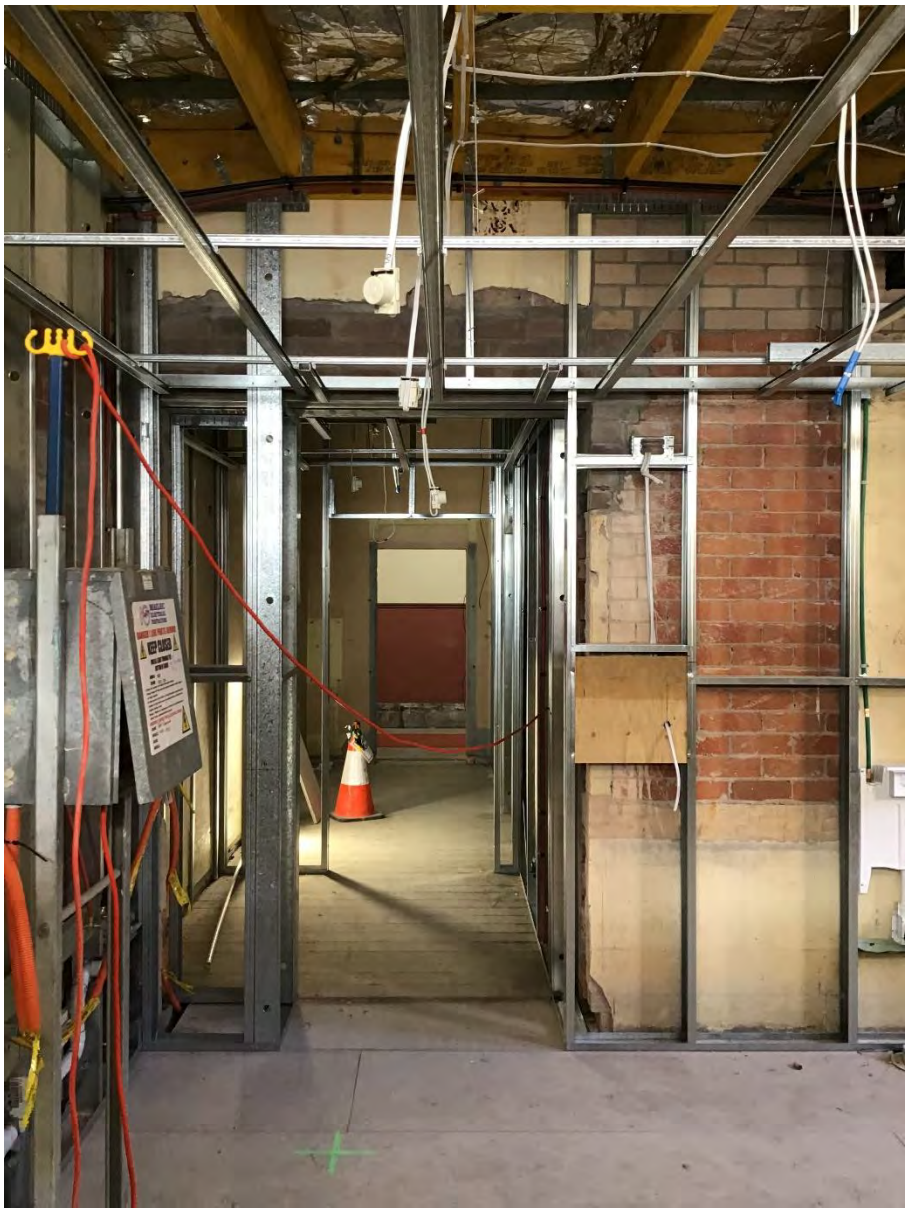


Photo 41: View looking North in Level 2 Female WC toward ACC Corridor



Photo 42: Level 2 Teachers Room (currently used as Temporary Lunchroom)

Building C – Residential



Photo 43: Level 2 suspended slab poured on 31st August 2020



Photo 44: Level 2 slab and L2-3 columns complete taken 2nd September 2020



Photo 45: New sewer main pit and pipe installed to Building C driveway.



Photo 46: New sewer main trench prior to backfill.



Photo 47: View of Sewer main trench backfilled in driveway looking North.



Photo 48: View of Building C looking East showing Level 3 formwork taken on 9th September 2020



Photo 49: Overview of Building B & C on 11th September 2020 showing Level 3 formwork.

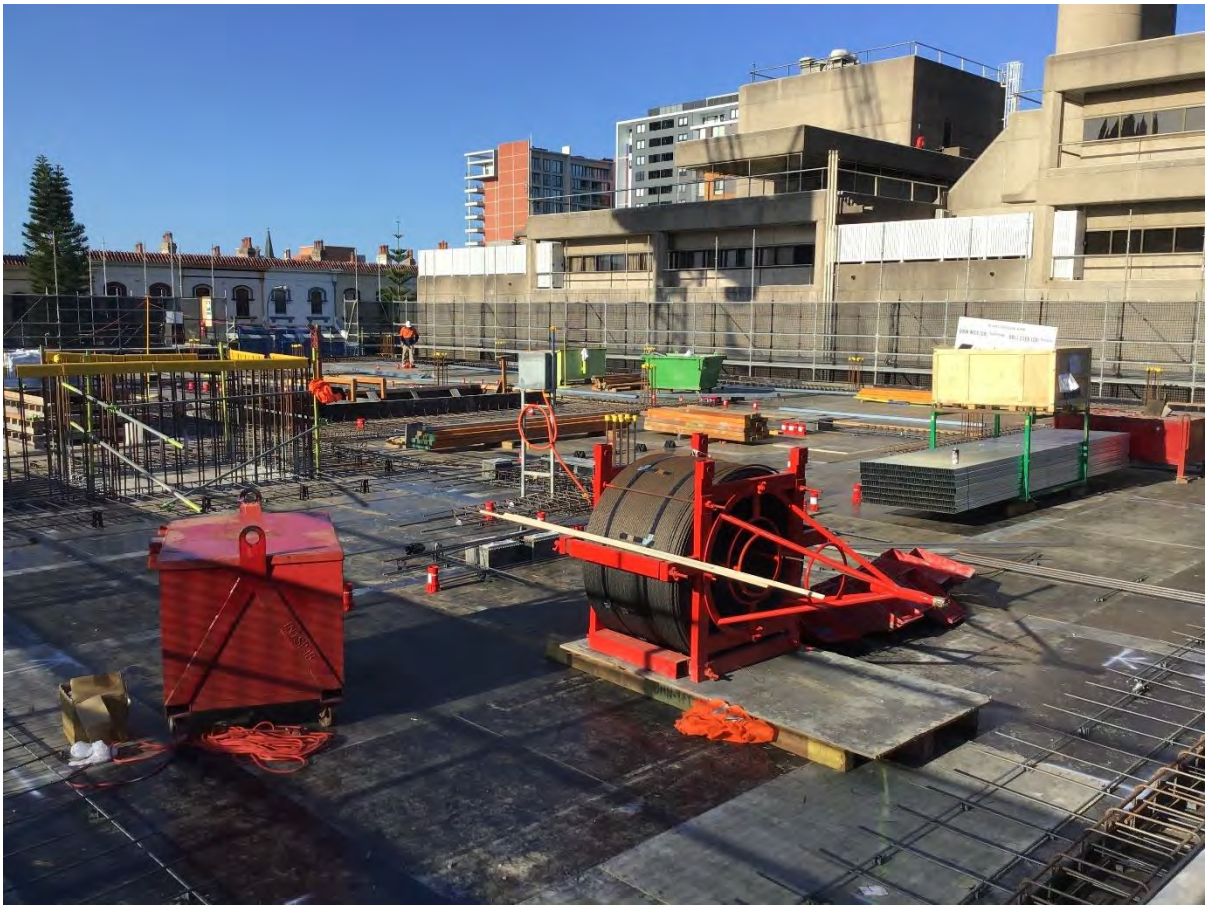


Photo 50: View looking North East of Level 3 formwork deck complete and post tension equipment on deck.



Photo 51: View looking South East of Level 3 formwork deck complete and bottom reinforcement in progress



Photo 52: Services penetrations on Level 3 deck

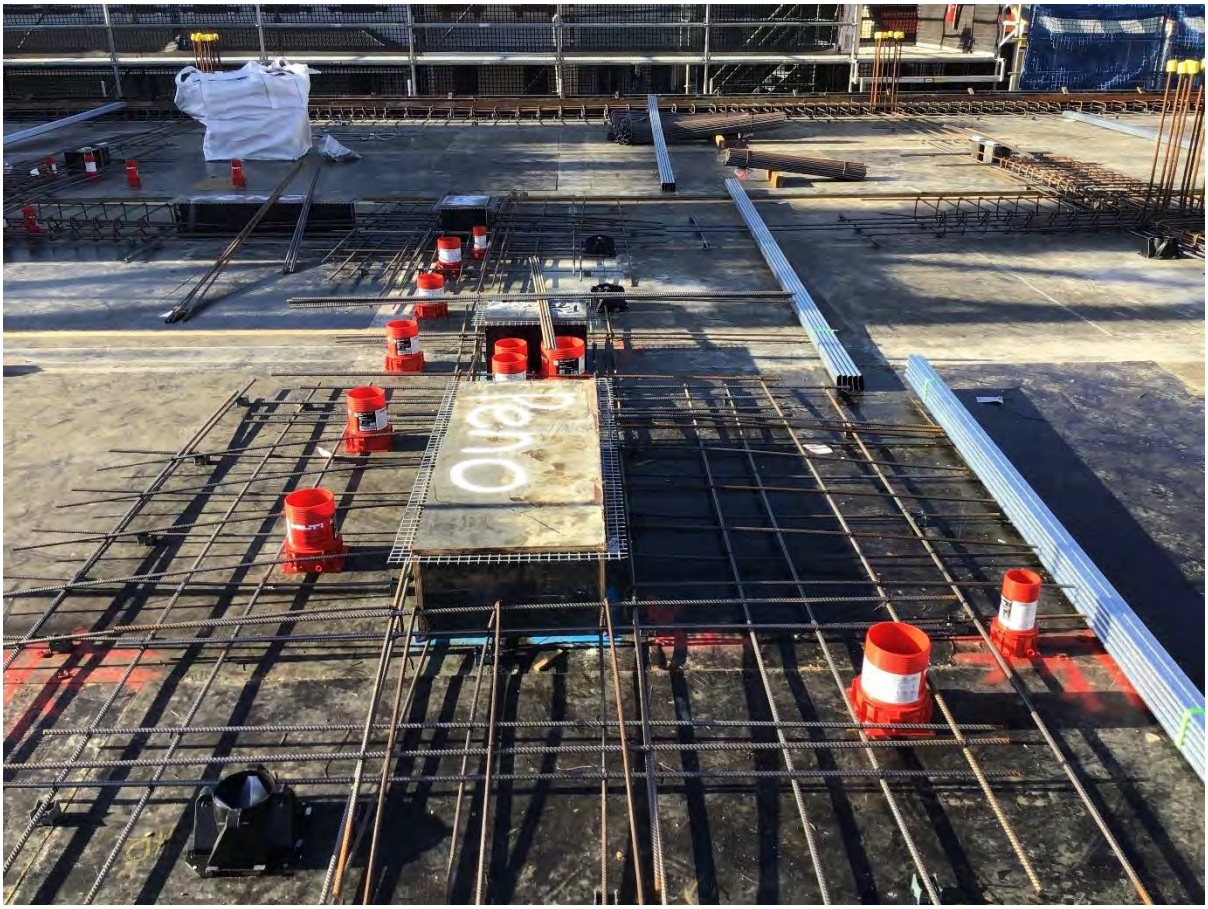


Photo 53: Services penetrations on Level 3 deck



Photo 54: Level 3 concrete pour on 21st September 2020



Photo 55: View looking North East of Level 3 concrete pour



Photo 56: View looking South East of Level 3 concrete pour



Photo 57: View of Level 4 formwork in progress and concrete pour of L3-4 Lift Walls taken on 25th September 2020



Photo 58: View looking North East showing formwork and concrete pour of L3-4 Lift Walls



Photo 59: Level 1 formwork stripping and back propping in progress taken on 25th September 2020

External



Photo 60: View of Heritage Courthouse taken on 11th September 2020



Photo 61: View of Heritage Courthouse taken on 11th September 2020



Photo 62: View of site looking South East from top of Church Street



Photo 63: View of site looking South East from Bolton Street



Photo 64: View of site looking South West from Church Street

Appendix G – Green Star Pathway Status

Appendix H – Workflow Status

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Shop Drawings - To be amended and issued AFC

ACTION REQUIRED

File	Document No	Title	Revis	Status	Discipline	Organization	Revision Date	Workflow No	Type
pdf	895-BA-L3-TL	Building A - Level 3 - Table Layout	B	Approved	Structural	Climbform Engineering	09/09/2020	WF-000063	Shop Drawing
pdf	895-BC-L2-CP	Residential Building C Level 2 - Concrete profile	B	Approved Subject to Comments	Structural	Climbform Engineering	30/06/2020	WF-000032	Shop Drawing
pdf	895-BC-L2-TL	Residential Building C Level 2 - Table layout	B	Approved	Structural	Climbform Engineering	30/06/2020	WF-000032	Shop Drawing
pdf	INPT19226-0000	Typical Shear Details	0	Approved Subject to Comments	Post Tensioni	Interspan Pty Ltd	20/08/2020	WF-000052	Shop Drawing
pdf	PD/MSB/Lables	Main switch board	0	Approved Subject to Comments	Electrical Sho	Mailec Electrical Pty Ltd	28/07/2020	WF-000054	Shop Drawing
zip	PD/MSB/REV2	Main switch board	1	Approved Subject to Comments	Electrical Sho	Mailec Electrical Pty Ltd	28/07/2020	WF-000054	Shop Drawing

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zip	3143-001	Main switch board	4	Not Approved Revise & Resubmit as Noted	Electrical	Mailec Electrical Pty Ltd	28/07/2020	Mailec to resubmit	Shop Drawing
pdf	CM-FSHL-0280	Residential Bdg - SAFi Materials Hoist	02	For Review	Vertical Trans	C & M Shepherd Consulting Engineers Pty Ltd	25/09/2020	Built to submit in Workflow	Shop Drawing
dwg	CM-FSHL-0280_SH1_D	Residential Bdg - SAFi Materials Hoist	02	For Review	Vertical Trans	C & M Shepherd Consulting Engineers Pty Ltd	25/09/2020	Built to submit in Workflow	Shop Drawing
dwg	CM-FSHL-0280_SH2_D	Residential Bdg - SAFi Materials Hoist	02	For Review	Vertical Trans	C & M Shepherd Consulting Engineers Pty Ltd	25/09/2020	Built to submit in Workflow	Shop Drawing
dwg	CM-FSHL-0280_SH3_D	Residential Bdg - SAFi Materials Hoist	02	For Review	Vertical Trans	C & M Shepherd Consulting Engineers Pty Ltd	25/09/2020	Built to submit in Workflow	Shop Drawing
dwg	CM-FSHL-0280_SH4_D	Residential Bdg - SAFi Materials Hoist	02	For Review	Vertical Trans	C & M Shepherd Consulting Engineers Pty Ltd	25/09/2020	Built to submit in Workflow	Shop Drawing
dwg	CM-FSHL-0280_SH5_D	Residential Bdg - SAFi Materials Hoist	02	For Review	Vertical Trans	C & M Shepherd Consulting Engineers Pty Ltd	25/09/2020	Built to submit in Workflow	Shop Drawing
zip	FD-01	Fire Detection System Schematic	A	Not Approved Revise & Resubmit as Noted	Fire Shop Dra	ARA Fire	21/08/2020	ARA to revise and resubmit	Shop Drawing
pdf	FD-02	EWIS System Schematic	A	Not Approved Revise & Resubmit as Noted	Fire Shop Dra	ARA Fire	21/08/2020	ARA to revise and resubmit	Shop Drawing
pdf	FD-03	Dry Fire Services Level 1 Education	A	Not Approved Revise & Resubmit as Noted	Fire Shop Dra	ARA Fire	21/08/2020	ARA to revise and resubmit	Shop Drawing
pdf	FD-04	Dry Fire Services Level 1 Existing	A	Not Approved Revise & Resubmit as Noted	Fire Shop Dra	ARA Fire	21/08/2020	ARA to revise and resubmit	Shop Drawing
pdf	FD-05	Dry Fire Services Level 1 Residential	A	Not Approved Revise & Resubmit as Noted	Fire Shop Dra	ARA Fire	21/08/2020	ARA to revise and resubmit	Shop Drawing
pdf	FD-06	Dry Fire Services Level 2 Education	A	Not Approved Revise & Resubmit as Noted	Fire Shop Dra	ARA Fire	21/08/2020	ARA to revise and resubmit	Shop Drawing
pdf	FD-07	Dry Fire Services Level 2 Existing	A	Not Approved Revise & Resubmit as Noted	Fire Shop Dra	ARA Fire	21/08/2020	ARA to revise and resubmit	Shop Drawing

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pdf	FD-08	Dry Fire Services Level 2 Residential	A	Not Approved Revise & Resubmit as Noted	Fire Shop Dra	ARA Fire	21/08/2020	ARA to revise and resubmit	Shop Drawing
pdf	FD-09	Dry Fire Services Level 3 Education	A	Not Approved Revise & Resubmit as Noted	Fire Shop Dra	ARA Fire	21/08/2020	ARA to revise and resubmit	Shop Drawing
pdf	FD-10	Dry Fire Services Level 3 Existing	A	Not Approved Revise & Resubmit as Noted	Fire Shop Dra	ARA Fire	21/08/2020	ARA to revise and resubmit	Shop Drawing
pdf	FD-11	Dry Fire Services Level 3 Residential	A	Not Approved Revise & Resubmit as Noted	Fire Shop Dra	ARA Fire	21/08/2020	ARA to revise and resubmit	Shop Drawing
pdf	FD-12	Dry Fire Services Level 4 Education	A	Not Approved Revise & Resubmit as Noted	Fire Shop Dra	ARA Fire	21/08/2020	ARA to revise and resubmit	Shop Drawing
pdf	FD-13	Dry Fire Services Level 4 Existing	A	Not Approved Revise & Resubmit as Noted	Fire Shop Dra	ARA Fire	21/08/2020	ARA to revise and resubmit	Shop Drawing
pdf	FD-14	Dry Fire Services Level 4 Residential	A	Not Approved Revise & Resubmit as Noted	Fire Shop Dra	ARA Fire	21/08/2020	ARA to revise and resubmit	Shop Drawing
pdf	GU39641-5	RB150 lift specification	6	For Review	Vertical Trans	Lifts 4 Life P/L	19/08/2020	Mark as no longer in use	Shop Drawing
pdf	INPT19226-013	ROOF RESIDENTIAL SHEAR DETAILS	1	Rejected	Post Tensioni	Interspan Pty Ltd	20/08/2020	Interspan to revise and resubmit	Shop Drawing
pdf	INPT19226-053	ROOF RESIDENTIAL SECTION DETAILS	1	Rejected	Post Tensioni	Interspan Pty Ltd	20/08/2020	Interspan to revise and resubmit	Shop Drawing
pdf	INPT19226-1400	ROOF RESIDENTIAL GENERAL ARRANGEMENT PLAN	1	Rejected	Post Tensioni	Interspan Pty Ltd	20/08/2020	Interspan to revise and resubmit	Shop Drawing
dwg	INPT19226-1400-DWG	ROOF RESIDENTIAL GENERAL ARRANGEMENT PLAN	1	Rejected	Post Tensioni	Interspan Pty Ltd	20/08/2020	Interspan to revise and resubmit	Shop Drawing
pdf	INPT19226-1401	ROOF RESIDENTIAL POST TENSIONING PLAN	1	Rejected	Post Tensioni	Interspan Pty Ltd	20/08/2020	Interspan to revise and resubmit	Shop Drawing
pdf	INPT19226-1402	ROOF RESIDENTIAL BOTTOM REINFORCEMENT PLAN	1	Rejected	Post Tensioni	Interspan Pty Ltd	20/08/2020	Interspan to revise and resubmit	Shop Drawing
pdf	INPT19226-1403	ROOF RESIDENTIAL TOP REINFORCEMENT PLAN	1	Rejected	Post Tensioni	Interspan Pty Ltd	20/08/2020	Interspan to revise and resubmit	Shop Drawing
pdf	Kss2	SS Drawings	3	For Review	Metal Work S	J&H Commercial Services	18/09/2020	Built to submit in workflow	Shop Drawing
zip	MSSB-1	Education MSSB-1	1	Not Approved Revise & Resubmit as Noted	Mechanical	Coles Refrigeration & Air Conditioning Pty Ltd	02/09/2020	Mailec to resubmit	Shop Drawing

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pdf	PD/MSB/REV1	Main switch board	1	For Review	Electrical	Mailec Electrical Pty Ltd	23/09/2020	Mailec to resubmit	Shop Drawing

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File	Document No	Title	Revis	Status	Discipline	Organization	Revision Date	Type
pdf	895-1	Wallform details	C	For Construction	Structural	Climbform Engineering	10/08/2020	Shop Drawing
pdf	895-10	Stair C1 - Concrete outline & Formwork arrangement (Level 1 to Level 2)	F	For Construction	Structural	Climbform Engineering	11/08/2020	Shop Drawing
pdf	895-16	Stair C1 - Concrete outline & Formwork arrangement (Level 2 to Roof)	B	For Construction	Structural	Climbform Engineering	11/08/2020	Shop Drawing
pdf	895-20	Stair C2 - Concrete outlines & Formwork arrangement (Level 1 to Level 2)	E	For Construction	Structural	Climbform Engineering	11/08/2020	Shop Drawing
pdf	895-23	Stair C2 - Concrete outlines & Formwork arrangement (Level 2 to Roof)	B	For Construction	Structural	Climbform Engineering	03/09/2020	Shop Drawing
pdf	895-30	Lift C1 & C2 - Concrete ourlines & Formwork arrangement (Level 1 to Roof)	D	For Construction	Structural	Climbform Engineering	03/09/2020	Shop Drawing
pdf	895-40	Lift A1 - Concrete ourline & Formwork arrangement (Level 1 to Roof)	C	For Construction	Structural	Climbform Engineering	03/09/2020	Shop Drawing
pdf	895-50	Stair A1 - Concrete outline & Formwork arrangement (Level 1 to Level 2)	C	For Construction	Structural	Climbform Engineering	24/08/2020	Shop Drawing
pdf	895-51	Stair A1 - Concrete outline & Formwork arrangement (Level 2 to Roof)	B	For Construction	Structural	Climbform Engineering	11/08/2020	Shop Drawing
pdf	895-52	Stair A1 - Section & Pour sequence	C	For Construction	Structural	Climbform Engineering	11/08/2020	Shop Drawing
pdf	895-60	Stair A2 - Concrete outlines & Formwork arrangment (Level 1 to Roof)	D	For Construction	Structural	Climbform Engineering	24/08/2020	Shop Drawing
pdf	895-61	Stair A2 - Section & Pour sequence (Level 1 to Roof)	D	For Construction	Structural	Climbform Engineering	24/08/2020	Shop Drawing
pdf	895-70	Shear walls SW1 & SW2 - Concrete outline & Formwork arrangement (Level 1 to Level 4)	B	For Construction	Structural	Climbform Engineering	24/08/2020	Shop Drawing
pdf	895-71	Shear walls SW1 & SW2 - Section & Pour sequence	B	For Construction	Structural	Climbform Engineering	24/08/2020	Shop Drawing
pdf	895-80	Shear wall SW3 - Concrete outline & Formwork arrangement (Level 1 to Roof)	B	For Construction	Structural	Climbform Engineering	24/08/2020	Shop Drawing
pdf	895-BA-L2-CP	Education Building A Level 2 - Concrete profile	C	For Construction	Structural	Climbform Engineering	07/09/2020	Shop Drawing
pdf	895-BA-L2-TL	Education Building A Level 2 - Table layout	E	For Construction	Structural	Climbform Engineering	04/09/2020	Shop Drawing

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pdf	895-BC-L3-CP	Residential Building C Level 3 - Concrete profile	C	For Construction	Structural	Climbform Engineering	08/09/2020	Shop Drawing
pdf	895-BC-L3-TL	Residential Building C Level 3 - Table layout	B	For Construction	Structural	Climbform Engineering	27/07/2020	Shop Drawing
pdf	895-BC-L4-CP	Building C - Level 4 - Concrete Profile	B	For Construction	Structural	Climbform Engineering	15/09/2020	Shop Drawing
pdf	895-BC-L4-TL	Building C - Level 4 - Table Layout	B	For Construction	Structural	Climbform Engineering	15/09/2020	Shop Drawing
pdf	895-BC-ROOF-CP	Building C - Roof - Concrete Profile	C	For Construction	Structural	Climbform Engineering	10/09/2020	Shop Drawing
pdf	895-BC-ROOF-TL	Building C - Roof - Table Layout	B	For Construction	Structural	Climbform Engineering	10/09/2020	Shop Drawing
pdf	INPT19226-001	GENERAL NOTES	A	For Construction	Structural	Interspan Pty Ltd	05/08/2020	Shop Drawing
pdf	INPT19226-010	LEVEL 2 RESIDENTIAL SHEAR DETAILS	C	For Construction	Structural	Interspan Pty Ltd	13/08/2020	Shop Drawing
pdf	INPT19226-011	LEVEL 3 EDUCATION SHEAR DETAILS	A	For Construction	Post Tensionir	Interspan Pty Ltd	15/09/2020	Shop Drawing
pdf	INPT19226-012	LEVEL 4 RESIDENTIAL SHEAR DETAILS	B	For Construction	Structural	Interspan Pty Ltd	23/09/2020	Shop Drawing
pdf	INPT19226-019	LEVEL 2 EDUCATION SHEAR DETAILS	A	For Construction	Post Tensionir	Interspan Pty Ltd	08/09/2020	Shop Drawing
pdf	INPT19226-020	LEVEL 3 RESIDENTIAL SHEAR DETAILS SHEET 1 OF 2	A	For Construction	Post Tensionir	Interspan Pty Ltd	28/08/2020	Shop Drawing
pdf	INPT19226-050	LEVEL 2 RESIDENTIAL SECTION DETAILS	C	For Construction	Structural	Interspan Pty Ltd	13/08/2020	Shop Drawing
pdf	INPT19226-051	LEVEL 3 RESIDENTIAL SECTION DETAILS	A	For Construction	Post Tensionir	Interspan Pty Ltd	28/08/2020	Shop Drawing
pdf	INPT19226-052	LEVEL 4 RESIDENTIAL SECTION DETAILS	B	For Construction	Structural	Interspan Pty Ltd	23/09/2020	Shop Drawing
pdf	INPT19226-060	LEVEL 2 EDUCATION SECTION DETAILS	A	For Construction	Post Tensionir	Interspan Pty Ltd	08/09/2020	Shop Drawing
pdf	INPT19226-061	LEVEL 3 EDUCATION SECTION DETAILS	A	For Construction	Post Tensionir	Interspan Pty Ltd	15/09/2020	Shop Drawing
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pdf	INPT19226-1101	LEVEL 2 RESIDENTIAL POST TENSIONING PLAN	C	For Construction	Structural	Interspan Pty Ltd	13/08/2020	Shop Drawing
pdf	INPT19226-1102	LEVEL 2 RESIDENTIAL BOTTOM REINFORCEMENT PLAN	C	For Construction	Structural	Interspan Pty Ltd	13/08/2020	Shop Drawing

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pdf	INPT19226-1201	LEVEL 3 RESIDENTIAL POST TENSIONING PLAN	A	For Construction	Post Tensionir	Interspan Pty Ltd	28/08/2020	Shop Drawing
pdf	INPT19226-1202	LEVEL 3 RESIDENTIAL BOTTOM REINFORCEMENT PLAN	A	For Construction	Post Tensionir	Interspan Pty Ltd	28/08/2020	Shop Drawing
pdf	INPT19226-1203	LEVEL 3 RESIDENTIAL TOP REINFORCEMENT PLAN	A	For Construction	Post Tensionir	Interspan Pty Ltd	28/08/2020	Shop Drawing
pdf	INPT19226-1300	LEVEL 4 RESIDENTIAL GENERAL ARRANGEMENT PLAN	B	For Construction	Structural	Interspan Pty Ltd	23/09/2020	Shop Drawing
dwg	INPT19226-1300-DWG	LEVEL 4 RESIDENTIAL GENERAL ARRANGEMENT PLAN	B	For Construction	Structural	Interspan Pty Ltd	23/09/2020	Shop Drawing
pdf	INPT19226-1301	LEVEL 4 RESIDENTIAL POST TENSIONING PLAN	B	For Construction	Structural	Interspan Pty Ltd	23/09/2020	Shop Drawing
pdf	INPT19226-1302	LEVEL 4 RESIDENTIAL BOTTOM REINFORCEMENT PLAN	B	For Construction	Structural	Interspan Pty Ltd	23/09/2020	Shop Drawing
pdf	INPT19226-1303	LEVEL 4 RESIDENTIAL TOP REINFORCEMENT PLAN	B	For Construction	Structural	Interspan Pty Ltd	23/09/2020	Shop Drawing
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dwg	INPT19226-2100-DWG	LEVEL 2 EDUCATION GENERAL ARRANGEMENT PLAN	A	For Construction	Post Tensionir	Interspan Pty Ltd	08/09/2020	Shop Drawing
pdf	INPT19226-2101	LEVEL 2 EDUCATION POST TENSIONING PLAN	A	For Construction	Post Tensionir	Interspan Pty Ltd	08/09/2020	Shop Drawing
pdf	INPT19226-2102	LEVEL 2 EDUCATION BOTTOM REINFORCEMENT PLAN	B	For Construction	Post Tensionir	Interspan Pty Ltd	16/09/2020	Shop Drawing

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pdf	INPT19226-2201	LEVEL 3 EDUCATION POST TENSIONING PLAN	A	For Construction	Post Tensionir	Interspan Pty Ltd	15/09/2020	Shop Drawing
pdf	INPT19226-2202	LEVEL 3 EDUCATION BOTTOM REINFORCEMENT PLAN	A	For Construction	Post Tensionir	Interspan Pty Ltd	15/09/2020	Shop Drawing
pdf	INPT19226-2203	LEVEL 3 EDUCATION TOP REINFORCEMENT PLAN	A	For Construction	Post Tensionir	Interspan Pty Ltd	15/09/2020	Shop Drawing
pdf	KONE E1 For Construc	KONE E1 For Construction Drawings	FOR	For Construction	Vertical Trans	KONE Elevators - NSW	07/09/2020	Shop Drawing
pdf	KONE R2 For Construc	KONE R2 For Construction Drawings	FOR	For Construction	Vertical Trans	KONE Elevators - NSW	07/09/2020	Shop Drawing
pdf	KONE R3 For Construc	KONE R3 For Construction Drawings	FOR	For Construction	Vertical Trans	KONE Elevators - NSW	07/09/2020	Shop Drawing

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Shop Drawings in a Workflow

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pdf	8129-NIHON UNIVERSITY-SD-00	DRAWING SCHEDULE	B	Issued for Review/Approval	Architectural	Arcadia	28/08/2020	WF-000069	Shop Drawing	Yes (workflow)
pdf	8129-NIHON UNIVERSITY-SD-01	LEVEL 01 FLOOR PLAN	B	Issued for Review/Approval	Architectural	Arcadia	28/08/2020	WF-000069	Shop Drawing	Yes (workflow)
pdf	8129-NIHON UNIVERSITY-SD-02	LEVEL 03 FLOOR PLAN	B	Issued for Review/Approval	Architectural	Arcadia	28/08/2020	WF-000069	Shop Drawing	Yes (workflow)
pdf	8129-NIHON UNIVERSITY-SD-03	LEVEL 04 FLOOR PLAN	B	Issued for Review/Approval	Architectural	Arcadia	28/08/2020	WF-000069	Shop Drawing	Yes (workflow)
pdf	8129-NIHON UNIVERSITY-SD-04	ROOF LEVEL FLOOR PLAN	B	Issued for Review/Approval	Architectural	Arcadia	28/08/2020	WF-000069	Shop Drawing	Yes (workflow)
pdf	8129-NIHON UNIVERSITY-SD-05	OVERALL NORTH & SOUTH ELEVATION	B	Issued for Review/Approval	Architectural	Arcadia	28/08/2020	WF-000069	Shop Drawing	Yes (workflow)
pdf	8129-NIHON UNIVERSITY-SD-06	OUTER WEST & EAST ELEVATION	C	Issued for Review/Approval	Architectural	Arcadia	17/09/2020	WF-000069	Shop Drawing	Yes (workflow)
pdf	8129-NIHON UNIVERSITY-SD-07	EXTERNAL SUNSCREENS NORTH ELEVATION - RESIDENTIAL	C	Issued for Review/Approval	Architectural	Arcadia	17/09/2020	WF-000069	Shop Drawing	Yes (workflow)
pdf	8129-NIHON UNIVERSITY-SD-08	EXTERNAL SUNSCREENS NORTH ELEVATION - EDUCATIONAL	C	Issued for Review/Approval	Architectural	Arcadia	17/09/2020	WF-000069	Shop Drawing	Yes (workflow)
pdf	8129-NIHON UNIVERSITY-SD-09	EXTERNAL SUNSCREENS WEST ELEVATION - EDUCATIONAL	C	Issued for Review/Approval	Architectural	Arcadia	17/09/2020	WF-000069	Shop Drawing	Yes (workflow)
pdf	8129-NIHON UNIVERSITY-SD-10	ARCADIA ZEST® B25x40mm & B45x75mm FIXED EXTERNAL SUNSCREENS DETAIL	C	Issued for Review/Approval	Architectural	Arcadia	17/09/2020	WF-000069	Shop Drawing	Yes (workflow)
pdf	8129-NIHON UNIVERSITY-SD-10A	ARCADIA ZEST® B25x40mm & B45x75mm FIXED EXTERNAL SUNSCREENS DETAIL	C	Issued for Review/Approval	Architectural	Arcadia	17/09/2020	WF-000069	Shop Drawing	Yes (workflow)
pdf	8129-NIHON UNIVERSITY-SD-11	ARCADIA ZEST® B25x40mm & B45x75mm FIXED EXTERNAL SUNSCREENS DETAIL	C	Issued for Review/Approval	Architectural	Arcadia	17/09/2020	WF-000069	Shop Drawing	Yes (workflow)
pdf	8129-NIHON UNIVERSITY-SD-12	ARCADIA ZEST® B40x80mm FIXED PERGOLA BATTENS DETAIL	D	Issued for Review/Approval	Architectural	Arcadia	17/09/2020	WF-000069	Shop Drawing	Yes (workflow)
pdf	8129-NIHON UNIVERSITY-SD-13	ARCADIA ZEST® B40x80mm FIXED PERGOLA BATTENS DETAIL	C	Issued for Review/Approval	Architectural	Arcadia	17/09/2020	WF-000069	Shop Drawing	Yes (workflow)
pdf	8129-NIHON UNIVERSITY-SD-14	ARCADIA ZEST® B40x80mm FIXED PERGOLA BATTENS DETAIL	C	Issued for Review/Approval	Architectural	Arcadia	17/09/2020	WF-000069	Shop Drawing	Yes (workflow)
pdf	8129-NIHON UNIVERSITY-SD-15	ARCADIA ZEST® B40x80mm FIXED PERGOLA BATTENS DETAIL	C	Issued for Review/Approval	Architectural	Arcadia	17/09/2020	WF-000069	Shop Drawing	Yes (workflow)
pdf	8129-NIHON UNIVERSITY-SD-16	ARCADIA HUSH® 300 ACOUSTIC LOUVRES DETAIL	B	Issued for Review/Approval	Architectural	Arcadia	28/08/2020	WF-000069	Shop Drawing	Yes (workflow)
pdf	8129-NIHON UNIVERSITY-SD-17	ARCADIA HUSH® 300 ACOUSTIC LOUVRES DETAIL	B	Issued for Review/Approval	Architectural	Arcadia	28/08/2020	WF-000069	Shop Drawing	Yes (workflow)
pdf	8129-NIHON UNIVERSITY-SD-18	ARCADIA HUSH® 300 ACOUSTIC LOUVRES DETAIL	B	Issued for Review/Approval	Architectural	Arcadia	28/08/2020	WF-000069	Shop Drawing	Yes (workflow)
pdf	8129-NIHON UNIVERSITY-SD-19	ARCADIA HUSH® 300 ACOUSTIC LOUVRES DOOR DETAIL	B	Issued for Review/Approval	Architectural	Arcadia	28/08/2020	WF-000069	Shop Drawing	Yes (workflow)
pdf	8129-NIHON UNIVERSITY-SD-20	ARCADIA SPUR® EL1-160 NON ACOUSTIC LOUVRES DETAIL	B	Issued for Review/Approval	Architectural	Arcadia	28/08/2020	WF-000069	Shop Drawing	Yes (workflow)

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pdf	8129-NIHON UNIVERSITY-SD-21	ARCADIA SPUR® EL1-160 NON ACOUSTIC LOUVRES DETAIL	B	Issued for Review/Approval	Architectural	Arcadia	28/08/2020	WF-000069	Shop Drawing	Yes (workflow)
pdf	8129-NIHON UNIVERSITY-SD-22	ARCADIA SPUR® EL1-160 NON ACOUSTIC LOUVRES DOOR DETAIL	B	Issued for Review/Approval	Architectural	Arcadia	28/08/2020	WF-000069	Shop Drawing	Yes (workflow)
pdf	8129-NIHON UNIVERSITY-SD-23	ARCADIA SPUR® EL1-100 LOUVRES DETAIL	B	Issued for Review/Approval	Architectural	Arcadia	28/08/2020	WF-000069	Shop Drawing	Yes (workflow)
pdf	8129-NIHON UNIVERSITY-SD-24	ARCADIA SPUR® EL1-100 LOUVRES DETAIL	B	Issued for Review/Approval	Architectural	Arcadia	28/08/2020	WF-000069	Shop Drawing	Yes (workflow)
pdf	895-BA-L4-CP	Building A - Level 4 - Concrete Profile	A	Issued for Review/Approval	Structural	Climbform Engineering	15/09/2020	WF-000072	Shop Drawing	Yes (workflow)
pdf	895-BA-R-CP	Building A - Roof - Concrete Profile	A	Issued for Review/Approval	Structural	Climbform Engineering	16/09/2020	WF-000068	Shop Drawing	Yes (workflow)
pdf	FS00	Fire Sprinkler Cover Sheet, Legend and Drawing List	3	Issued for Review/Approval	Fire	ARA FIRE	11/09/2020	WF-000066	Shop Drawing	Yes (workflow)
pdf	FS01	Fire Sprinkler Schematic	5	Issued for Review/Approval	Fire	ARA FIRE	11/09/2020	WF-000066	Shop Drawing	Yes (workflow)
pdf	FS02	Fire Sprinkler System Level 1 Central Courthouse and East Residential Blocks	6	Issued for Review/Approval	Fire	ARA FIRE	11/09/2020	WF-000066	Shop Drawing	Yes (workflow)
pdf	FS03	Fire Sprinkler System Level 2 Central Courthouse and East Residential Blocks	4	Issued for Review/Approval	Fire	ARA FIRE	11/09/2020	WF-000066	Shop Drawing	Yes (workflow)
pdf	FS04	Fire Sprinkler System Level 3 East Residential Block	3	Issued for Review/Approval	Fire	ARA FIRE	11/09/2020	WF-000066	Shop Drawing	Yes (workflow)
pdf	FS05	Fire Sprinkler System Level 4 East Residential Block	3	Issued for Review/Approval	Fire	ARA FIRE	11/09/2020	WF-000066	Shop Drawing	Yes (workflow)
pdf	FS06	Fire Sprinkler & hydrant systems Level 1 carpark	1	Issued for Review/Approval	Fire	3D Fire	11/09/2020	WF-000066	Shop Drawing	Yes (workflow)
pdf	FS07	Fire Sprinkler & hydrant systems Level 2 Courthouse and West Education	1	Issued for Review/Approval	Fire	3D Fire	11/09/2020	WF-000066	Shop Drawing	Yes (workflow)
pdf	FS08	Fire Sprinkler & hydrant systems Level 3 Courthouse and West Education	1	Issued for Review/Approval	Fire	3D Fire	11/09/2020	WF-000066	Shop Drawing	Yes (workflow)
pdf	FS09	Fire Sprinkler & hydrant systems Level 4 Courthouse and West Education	1	Issued for Review/Approval	Fire	3D Fire	11/09/2020	WF-000066	Shop Drawing	Yes (workflow)
pdf	FS15	Fire Hydrant Schematic	1	Issued for Review/Approval	Fire	3D Fire	11/09/2020	WF-000066	Shop Drawing	Yes (workflow)
pdf	KSD	SS Drawings	1	Issued for Review/Approval	Kitchen	J&H Commercial Services	22/09/2020	WF-000071	Shop Drawing	Yes (workflow)
pdf	MS01-03A	LEVEL 1 - RESIDENTIAL - PART A	1	Issued for Review/Approval	Mechanical	Coles Refrigeration & Air Conditioning	25/09/2020	WF-000073	Shop Drawing	Yes (workflow)
dwg	MS01-03A_DWG	LEVEL 1 - RESIDENTIAL - PART A	1	Issued for Review/Approval	Mechanical	Coles Refrigeration & Air Conditioning	25/09/2020	WF-000073	Shop Drawing	Yes (workflow)
pdf	MS01-03B	LEVEL 1 - RESIDENTIAL - PART B	1	Issued for Review/Approval	Mechanical	Coles Refrigeration & Air Conditioning	25/09/2020	WF-000073	Shop Drawing	Yes (workflow)
dwg	MS01-03B_DWG	LEVEL 1 - RESIDENTIAL - PART B	1	Issued for Review/Approval	Mechanical	Coles Refrigeration & Air Conditioning	25/09/2020	WF-000073	Shop Drawing	Yes (workflow)
pdf	MS02-03A	LEVEL 2 - RESIDENTIAL - PART A	1	Issued for Review/Approval	Mechanical	Coles Refrigeration & Air Conditioning	25/09/2020	WF-000073	Shop Drawing	Yes (workflow)
dwg	MS02-03A_DWG	LEVEL 2 - RESIDENTIAL - PART A	1	Issued for Review/Approval	Mechanical	Coles Refrigeration & Air Conditioning	25/09/2020	WF-000073	Shop Drawing	Yes (workflow)
pdf	MS02-03B	LEVEL 2 - RESIDENTIAL - PART B	1	Issued for Review/Approval	Mechanical	Coles Refrigeration & Air Conditioning	25/09/2020	WF-000073	Shop Drawing	Yes (workflow)
dwg	MS02-03B_DWG	LEVEL 2 - RESIDENTIAL - PART B	1	Issued for Review/Approval	Mechanical	Coles Refrigeration & Air Conditioning	25/09/2020	WF-000073	Shop Drawing	Yes (workflow)

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dwg	MS03-03A_DWG	LEVEL 3 - RESIDENTIAL - PART A	1	Issued for Review/Approval	Mechanical	Coles Refrigeration & Air Conditioning	25/09/2020	WF-000073	Shop Drawing	Yes (workflow)
pdf	MS03-03B	LEVEL 3 - RESIDENTIAL - PART B	1	Issued for Review/Approval	Mechanical	Coles Refrigeration & Air Conditioning	25/09/2020	WF-000073	Shop Drawing	Yes (workflow)
dwg	MS03-03B_DWG	LEVEL 3 - RESIDENTIAL - PART B	1	Issued for Review/Approval	Mechanical	Coles Refrigeration & Air Conditioning	25/09/2020	WF-000073	Shop Drawing	Yes (workflow)
pdf	MS04-03A	LEVEL 4 - RESIDENTIAL - PART A	1	Issued for Review/Approval	Mechanical	Coles Refrigeration & Air Conditioning	25/09/2020	WF-000073	Shop Drawing	Yes (workflow)
dwg	MS04-03A_DWG	LEVEL 4 - RESIDENTIAL - PART A	1	Issued for Review/Approval	Mechanical	Coles Refrigeration & Air Conditioning	25/09/2020	WF-000073	Shop Drawing	Yes (workflow)
pdf	MS04-03B	LEVEL 4 - RESIDENTIAL - PART B	1	Issued for Review/Approval	Mechanical	Coles Refrigeration & Air Conditioning	25/09/2020	WF-000073	Shop Drawing	Yes (workflow)
dwg	MS04-03B_DWG	LEVEL 4 - RESIDENTIAL - PART B	1	Issued for Review/Approval	Mechanical	Coles Refrigeration & Air Conditioning	25/09/2020	WF-000073	Shop Drawing	Yes (workflow)
pdf	MS05-03	ROOF - RESIDENTIAL	1	Issued for Review/Approval	Mechanical	Coles Refrigeration & Air Conditioning	25/09/2020	WF-000073	Shop Drawing	Yes (workflow)
dwg	MS05-03_DWG	ROOF - RESIDENTIAL	1	Issued for Review/Approval	Mechanical	Coles Refrigeration & Air Conditioning	25/09/2020	WF-000073	Shop Drawing	Yes (workflow)
pdf	MS07-30	SECTIONS AND DETAILS	1	Issued for Review/Approval	Mechanical	Coles Refrigeration & Air Conditioning	25/09/2020	WF-000073	Shop Drawing	Yes (workflow)
pdf	MS07-31	SECTIONS AND DETAILS	1	Issued for Review/Approval	Mechanical	Coles Refrigeration & Air Conditioning	25/09/2020	WF-000073	Shop Drawing	Yes (workflow)
pdf	MS07-32	SECTIONS AND DETAILS	1	Issued for Review/Approval	Mechanical	Coles Refrigeration & Air Conditioning	25/09/2020	WF-000073	Shop Drawing	Yes (workflow)
pdf	MSSB-2	MSSB-2 Residential	1	Issued for Review/Approval	Mechanical	Coles Refrigeration & Air Conditioning Pty Ltd	18/09/2020	WF-000070	Shop Drawing	Yes (workflow)
pdf	Q9613-01RevB AFM	Barrisol Shop Drawing 01	B	Issued for Review/Approval	Architectural	Barrisol Ryan	09/09/2020	WF-000064	Shop Drawing	Yes (workflow)
pdf	Q9613-02RevB AFM	Barrisol Shop Drawing 02	B	Issued for Review/Approval	Architectural	Barrisol Ryan	09/09/2020	WF-000064	Shop Drawing	Yes (workflow)
pdf	QT03630-2	Exhaust hood Drawing	2	Issued for Review/Approval	Kitchen	J&H Commercial Services	19/08/2020	WF-000071	Shop Drawing	Yes (workflow)

Appendix I – Statused SSD-9787 Conditions Matrix

	SSD 9787 - FINAL CONDITIONS | SCHEDULE 2 MATRIX	Responsibility		Relevent Consultant/s	Date Addressed	CC # 1	CC # 2	CC # 3	Aug-20	Sep-20	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				✓	✓	Measures implemented in accordance with CEMP & Sub Plans
	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	✓			✓	✓	Updated CTPMSP included consultation with CoN.
	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	✓			N/A	N/A	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.								N/A	N/A	Submitted to Planning Secretary
	[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			✓			✓	✓	Updated in accordance with GHD Audit 02
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	CC # 1	CC # 2	CC # 3	Aug-20	Sep-20	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.					✓	✓	✓	N/A	N/A	Cardno and Northrop certifications and updated drawings submitted under CC packages.
	[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	**Built**	**GHD | dwp**					✓	✓	GHD Audit 02 completed and monitoring of environmental control measures completed.
	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.										
	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	CC # 1	CC # 2	CC # 3	Aug-20	Sep-20	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.								✓		Updated CEMP & CTPMSP submitted to DPIE
	[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 all CC's
	[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.					✓					Closed out - 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										
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.

	SSD 9787 - FINAL CONDITIONS | SCHEDULE 2 MATRIX	Responsibility		Relevent Consultant/s	Date Addressed	CC # 1	CC # 2	CC # 3	Aug-20	Sep-20	Status
		Owner	Contractor								
	[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.						✓				Closed out - Submitted as 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.						✓				Closed out - Submitted as part of 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	CC # 1	CC # 2	CC # 3	Aug-20	Sep-20	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	✓				✓	GHD Audit 02 identified a non-conformance related to Condition C8(a)(i) regarding the CEMP not reflecting the extended working hours in accordance with EP&A (COVID-19 Development - Construction Work Days) Order 2020. The CEMP was amended and submitted to DPIE on 27/08/2020.
	[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	✓			✓		Updated CTPMSP includes additional consultation with Council.
	[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	✓					Completed
	[i] CNVMS-P developed by contractor + submission to PCA		Built	EMM	22-Jan-20						

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		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	✓					Completed
	[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.						✓				Closed out- Submitted as part of CC#2
	[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 for Building A, B & C. Some minor external works remaining. 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										

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		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 has submitted the s.138 application to Council for assessment and the works will be included under CC#3
	[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.								✓	✓	Ongoing
	[i] Site plant maintained and equipment maintenance by contractor		**Built**								**Ongoing**
	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.								✓	✓	Ongoing
	[i] Construction hours factored into construction program		**Built**								**Ongoing**
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						✓	✓	Ongoing
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.								✓	✓	Ongoing
	[i] Notification to affected residents required		**Built**								**Ongoing**
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.								✓	✓	Ongoing
	[i] Check advice with the Certifier - demolition processes not considered as rock breaking or rock hammering - to be monitored		**Built**								**Ongoing**
	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.									✓	Compliant
	[i] Monitoring of compliance with management plans		**Built**								**Ongoing**
	Construction Traffic										

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		Owner	Contractor								
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						✓	✓	Work Zone implemented and monitored
	Hoarding Requirements										
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						✓	✓	Compliant
	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						✓	✓	Compliant
	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					✓	✓	Compliant
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						✓	✓	Compliant
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						✓	✓	Compliant
	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					✓	✓	Compliant - no vibration causing activities
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						✓	✓	Compliant
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					✓	✓	Compliant
	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						✓	✓	Compliant
	Air Quality										
D19	The Applicant must take all reasonable steps to minimise dust generated during all works authorised by this consent.		Built						✓	✓	Compliant
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						✓	✓	Compliant
	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						✓	✓	Compliant
	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						✓	✓	Compliant
	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						✓	✓	Compliant
	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							Not triggered.
	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					✓	✓	Compliant - AMAC investigations during excavations to rear of Courthouse

	SSD 9787 - FINAL CONDITIONS | SCHEDULE 2 MATRIX	Responsibility		Relevent Consultant/s	Date Addressed	CC # 1	CC # 2	CC # 3	Aug-20	Sep-20	Status
		Owner	Contractor								
	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**						✓	✓	Compliant
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**						✓	✓	Compliant
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						✓	✓	Compliant
	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.					✓			✓	✓	GHD Audit 01 closed out. GHD Audit 02 final report received and actions closed out.
	[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
	PART E - PRIOR TO ISSUE OF AN OCCUPATION CERTIFICATE OR COMMENCEMENT OF OPERATION										
	Notification of Occupation										
E1	At least one month before commencement of operation, the date of commencement of the operation of the development must be notified to the Planning Secretary in writing. If the operation of the development is to be staged, the Planning Secretary must be notified in writing at least one month before the commencement of each stage, of the date of commencement and the development to be carried out in that stage.										Not triggered
	[i] Notice provided to Planning Secretary	**Nihon**		**Azusa | dwp**							
	External Walls and Cladding										
E2	Prior to issue of an Occupation Certificate, the Applicant must provide the Certifier with documented evidence that the products and systems 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.										Not triggered
	[i] Evidence of products used to be issued to the Certifier		**Built**	**Azusa | dwp**							
E3	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.										
	[i] Copies of the documents sent to the Certifier to be forwarded to Planning Secretary	**Nihon**		**dwp**							
	Post-construction Dilapidation Report										
E4	Prior to issue of an Occupation Certificate, the Applicant must engage a suitably qualified person to prepare a post-construction dilapidation report at the completion of construction. This report is: a) to ascertain whether the construction created any structural damage to adjoining buildings or infrastructure; b) to be submitted to the Certifier. In ascertaining whether adverse structural damage has occurred to adjoining buildings or infrastructure, the Certifier must: i) compare the post-construction dilapidation report with the pre-construction dilapidation report required by these conditions; and ii) have written confirmation from the relevant authority that there is no adverse structural damage to their infrastructure and roads. c) to be forwarded to Council.										Not triggered
	[i] Dilapidation Report forwarded to PCA + Council		**Built**								
	Public Domain Works										
E5	Prior to issue of an Occupation Certificate, the public domain works and footpath works required by condition C20 must be completed to Council's satisfaction.										Not triggered
	[i] Documented public domain works completed and approved		**Built**								
	Protection of Public Infrastructure										
E6	Unless the Applicant and the applicable authority agree otherwise, the Applicant must: (a) repair, or pay the full costs associated with repairing, any public infrastructure that is damaged by carrying out the development; and (b) relocate, or pay the full costs associated with relocating any infrastructure that needs to be relocated as a result of the development. Note: This condition does not apply to any damage to roads caused as a result of general road usage or otherwise addressed by contributions required by condition B2 of this consent.										Not triggered
	[i] All damage repaired + infrastructure upgraded		**Built**	**Azusa | dwp**							
	Easements										
E7	Prior to issue of an Occupation Certificate, an easement under section 88A and/or restriction or public positive covenant under section 88E of the *Conveyancing Act 1919* naming the Council as the prescribed authority, which can only be revoked, varied or modified with the consent of the Council, and which provides for the drainage of water must be registered on title of Lot 1 DP 1199904. The easement must be a minimum three metres in width and must be centred over the new stormwater pipeline.										Not triggered
	[i] Easements to be established	**Nihon**		**Azusa | dwp**							
	Utilities and Services										

	SSD 9787 - FINAL CONDITIONS | SCHEDULE 2 MATRIX	Responsibility		Relevent Consultant/s	Date Addressed	CC # 1	CC # 2	CC # 3	Aug-20	Sep-20	Status
		Owner	Contractor								
E8	Prior to issue of an Occupation Certificate, a compliance certificate under the section 50 of the *Hunter Water Act 1991* must be obtained from Hunter Water and submitted to the Certifier.										Not triggered
	[i] Certificate to be obtained and submitted to the Certifier		**Built**	**Northrop**							
	Works as Executed Plans										
E9	Prior to issue of an Occupation Certificate, works-as-executed drawings signed by a registered surveyor demonstrating that the stormwater drainage and finished ground levels have been constructed as approved, must be submitted to the Certifier.										Not triggered
	[i] As executed plans to be obtained and submitted to the Certifier		**Built**	**Cardno | Northrop**							
	Green Travel Plan										
E10	Prior to issue of an Occupation Certificate, a Green Travel Plan (GTP), must be submitted to the satisfaction of the Planning Secretary to promote the use of active and sustainable transport modes. The plan must: (a) be prepared by a suitably qualified traffic consultant in consultation with Council; (b) include objectives and modes share targets (i.e. Site and land use specific, measurable and achievable and timeframes for implementation) to define the direction and purpose of the GTP; (c) include specific tools and actions to help achieve the objectives and mode share targets; (d) include measures to promote and support the implementation of the plan, including financial and human resource requirements, roles and responsibilities for relevant employees involved in the implementation of the GTP; and (e) include details regarding the methodology and monitoring/review program to measure the effectiveness of the objectives and mode share targets of the GTP, including the frequency of monitoring and the requirement for travel surveys to identify travel behaviours of users of the development.										Not triggered
	[i] Green travel plan to be finalised and submitted to the Planning Secretary	**Nihon**		**Azusa | dwp**							
	Heritage Interpretation Plan										
E11	Prior to issue of an Occupation Certificate, the Applicant must submit a Heritage Interpretation Plan to acknowledge the heritage of the site to the Planning Secretary. The plan must: (a) be prepared by a suitably qualified and experienced expert in consultation with the NSW Heritage Division and Council; (b) outline the Stage 1 heritage interpretation strategy (c) include provision for naming elements within the development that acknowledges the site's heritage; (d) incorporates interpretive information in to the site of the former legal and court functions of the former Newcastle Courthouse.										Not triggered
	[i] Heritage Interpretation Plan is required to be completed and submitted to the Planning Secretary - dependent of archaeological findings	**Nihon**		**Azusa | dwp**							
	Operational Management Plan										
E12	Prior to issue of an Occupation Certificate, the Applicant must prepare an Operational Management Plan for the site. The plan must: (a) include measures to ensure all wayfinding signage, security measures, and landscaping is managed to maintain their effectiveness; and (b) include measures to manage the operation and use of rooftop terraces and ground level café terrace; and (c) prohibit use of the rooftop terraces for events or formal teaching; and (d) restrict the use of the rooftop terraces to no later than 9pm daily; and (e) ensure the use of the rooftop terraces does not result in exceedances of the project noise trigger levels in the report titled Noise and Vibration Assessment – Operational and Construction report dated May 2019 and prepared by EMM Consulting.										Not triggered
	[i] Operational management plan to be finalised	**Nihon**		**Azusa | dwp**							
E13	The Operational Management Plan must be submitted to the satisfaction of the Certifier and implemented for the life of the approved development.										
	[ii] Operational management plan to be submitted to the Certifier	**Nihon**		**Azusa | dwp**							
	Operational Transport and Access Management Plan [OTAMP]										
E14	Prior to issue of an Occupation Certificate, an OTAMP is to be prepared by a suitably qualified person, in consultation with Council and submitted to the Planning Secretary. The OTAMP must address the following: (a) detailed pedestrian analysis including the identification of safe route options – to identify the need for management measures to ensure students and staff are able to access and leave the Site in a safe and efficient manner at all times; (b) the location of all car parking spaces on the campuses and their allocation (i.e. staff, visitor, accessible, emergency, etc.); (c) delivery and services vehicle management arrangements; (d) use of the services zone limited to: (i) 7am to 8am and 7pm to 8pm Monday to Friday; (ii) 7am to 8am Saturday; (iii) no use on Sundays or Public Holidays; (e) management of approved access arrangements; (f) potential traffic impacts on surrounding road networks and mitigation measures to minimise impacts, including measures to mitigate queuing impacts associated with vehicles accessing the car parking spaces or services zone; (g) a monitoring and review program.										Not triggered
	[i] Operational management plan to be finalised and submitted to the Planning Secretary	**Nihon**		**Azusa | dwp**							
	Mechanical Ventilation										
E15	Prior to issue of an Occupation Certificate, the Applicant must provide evidence to the satisfaction of the Certifier that the installation and performance of the mechanical ventilation systems complies with: (a) *AS 1668.2-2012 The use of air-conditioning in buildings – Mechanical ventilation in buildings* and other relevant codes; and (b) any dispensation granted by Fire and Rescue NSW.										Not triggered
	[i] Certification of mechanical installation required and submitted to the Certifier		**Built**	**Northrop**							
	Operational Noise - Design of Mechanical Plant and Equipment										
E16	Prior to issue of an Occupation Certificate, the Applicant must submit evidence to the Certifier that the noise mitigation recommendations in the Noise and Vibration Assessment – Operational and Construction report dated May 2019 and prepared by EMM Consulting have been incorporated into the design to ensure the development will not exceed the recommended operational noise levels identified in the Environmental Noise Assessment.										Not triggered
	[i] Certification of mechanical installation required in relation to noise and vibration mitigation and submitted to the Certifier		**Built**	**Northrop**							
	Road Damage										
E17	Prior to the commencement of operation, the cost of repairing any damage caused to Council or other Public Authority's assets in the vicinity of the Subject Site as a result of construction works associated with the approved development must be met in full by the Applicant.										Not triggered
	[i] Damage to public infrastructure caused by construction to be rectified		**Built**								
	Fire Safety Certification										
E18	Prior to issue of an Occupation Certificate, a Fire Safety Certificate must be obtained for all the Essential Fire or Other Safety Measures forming part of this consent. A copy of the Fire Safety Certificate must be submitted to the relevant authority and Council. The Fire Safety Certificate must be prominently displayed in the building.										Not triggered
	[i] Fire safety certificate for constructed facility to be submitted to relevant authority		**Built**	**dwp | Northrop**							

	SSD 9787 - FINAL CONDITIONS | SCHEDULE 2 MATRIX	Responsibility		Relevent Consultant/s	Date Addressed	CC # 1	CC # 2	CC # 3	Aug-20	Sep-20	Status
		Owner	Contractor								
	Structural Inspection Certificate										
E19	Prior to occupation of the relevant parts of any new or refurbished buildings, a Structural Inspection Certificate or a Compliance Certificate must be submitted to the satisfaction of the Certifier. A copy of the Certificate with an electronic set of final drawings (contact approval authority for specific electronic format) must be submitted to the approval authority and the Council after: (a) the site has been periodically inspected and the Certifier is satisfied that the structural works is deemed to comply with the final design drawings; and (b) the drawings listed on the Inspection Certificate have been checked with those listed on the final Design Certificate/s.										Not triggered
	[i] Structural certification of the works submitted to the Certifier		**Built**	**Cardno | Northrop**							
	Compliance with Food Code										
E20	Prior to issue of an Occupation Certificate, the Applicant is to obtain a certificate from a suitably qualified tradesperson, certifying that the kitchen, food storage and food preparation areas have been fitted in accordance with the AS 4674 Design, construction and fit-out of food premises and provide evidence of receipt of the certificate to the satisfaction of the Certifier.										Not triggered
	[i] Certification of the kitchen works submitted to the Certifier		**Built**	**dwp| kitchen sc**							
	Stormwater Quality Management Plan										
E21	Prior to issue of an Occupation Certificate, an Operation and Maintenance Plan (OMP) is to be submitted to the satisfaction of the Certifier along with evidence of compliance with the OMP. The OMP must ensure the proposed stormwater quality measures remain effective and contain the following: (a) maintenance schedule of all stormwater quality treatment devices that addresses Council's Technical Manual: Stormwater and Water Efficiency for Development (updated April 2019); (b) record and reporting details; (c) relevant contact information; and (d) Work Health and Safety requirements.										Not triggered
	[i] OMP prepared and to be submitted to the Certifier		**Built**	**Northrop | Cardno**							
	Rainwater Harvesting										
E22	Prior to issue of an Occupation Certificate, signed works-as-executed Rainwater Re-use Plan must be provided to the Planning Secretary and Certifier.										Not triggered
	[i] Documentation of the rainwater reuse system to be submitted to the Certifier		**Built**	**Northrop**							
	ii] Copy of the documents sent to the Certifier to be forwarded to Planning Secretary	**Nihon**		**dwp**							
	Warm Water Systems and Cooling Systems										
E23	The installation of warm water systems and water cooling systems (as defined under the *Public Health Act 2010*) must comply with the *Public Health Act 2010* , Public Health Regulation 2012 and Part 1 (or Part 3 if a Performance-based water cooling system) of A*S/NZS 3666.2:2011 Air handling and water systems of buildings – Microbial control – Operation and maintenance* and the NSW Health Code of Practice for the Control of Legionnaires' Disease.										Not triggered
	[i] Certification of the of the warm water and cooling systems to be submitted to the Certifier		**Built**	**Northrop**							
	Outdoor Lighting										
E24	. Prior to issue of an Occupation Certificate, the Applicant must submit evidence from a suitably qualified practitioner to the Certifier that demonstrates that installed lighting associated with the development achieves the objective of minimising light spillage to any adjoining or adjacent sensitive receivers and: (a) complies with the latest version of AS 4282-2019 - *Control of the obtrusive effects of outdoor lighting* (Standards Australia, 1997); and (b) has been mounted, screened and directed in such a manner that it does not create a nuisance to surrounding properties or the public road network.										Not triggered
	[i] Certification of the outdoor lighting systems to be submitted to the Certifier		**Built**	**Northrop**							
	Archaeological Salvage - Historic Archaeology										
E25	The Applicant must prepare an archaeological report of the salvage excavation undertaken in accordance with condition C17. An interim report of the salvage excavation must be provided for the information of the Heritage Council of NSW and Council within one month of completion of the salvage work and a final report provided within 12 months of completion of the salvage work or within another timeframe agreed with the Planning Secretary. Copies of the report must also be provided to the NSW Heritage Division and Council.										Not triggered
	[i] Submission of archaeological report to Heritage Council and Council - timing to consider		**Built**	**AMAC | dwp**							
	Signage										
E26	Prior to issue of an Occupation Certificate, way-finding signage and signage identifying the location of staff car parking must be installed.										Not triggered
	[i] Signage details to be finalised and installed		**Built**	**Azusa | dwp**							
E27	Prior to issue of an Occupation Certificate, bicycle way-finding signage must be installed within the site to direct cyclists from footpaths to designated bicycle parking areas.										Not triggered
	[i] Signage details to be finalised and installed		**Built**	**Azusa | dwp**							
E28	Prior to issue of an Occupation Certificate, 'Do not drink' signage on non-potable water used for toilet flushing and to new hose taps and irrigation systems for landscaped areas must be installed within the site.										Not triggered
	[i] Signage details to be finalised and installed		**Built**	**Azusa | dwp**							
	Operational Waste Management Plan										
E29	Prior to issue of an Occupation Certificate, the Applicant must prepare a Waste Management Plan for the development and submit it to the Certifier. The Waste Management Plan must: (a) detail the type and quantity of waste to be generated during operation of the development; (b) the location and operational management procedures of the services zone located within the front setback of the Residential Building, including management/traffic controller arrangements; (c) describe the handling, storage and disposal of all waste streams generated on site, consistent with the P*rotection of the Environment Operations Act 1997, Protection of the Environment Operations (Waste) Regulation 2014* and the *Waste Classification Guideline* (Department of Environment, Climate Change and Water, 2009); (d) detail the materials to be reused or recycled, either on or off site; and (e) include the Management and Mitigation Measures included in EIS, as amended by the RtS.										Not triggered
	[i] Operational waste management plan to be prepared and submitted to the Certifier	**Nihon**		**Azusa | dwp**							
	Site Contamination										
E30	The Applicant must prepare a Validation Report, where required by the remediation action plan approved by a NSW EPA Accredited Site Auditor pursuant to condition A19, for the development. The Validation Report must: (a) be prepared by a Certified Contaminated Land Consultant; (b) be submitted to the Site Auditor, the Planning Secretary and the Certifier for information within one month after the completion of remediation works; and (c) be prepared in accordance with the remediation action plan approved by a NSW EPA Accredited Site Auditor pursuant to condition A19.										Not triggered
	[i] Remedial works to be carried out in accordance with updated RAP and report submitted to site auditor, the Certifier and the Planning Secretary		**Built**	**Douglas Partners**							
	Site Audit Statement										

	SSD 9787 - FINAL CONDITIONS | SCHEDULE 2 MATRIX	Responsibility		Relevent Consultant/s	Date Addressed	CC # 1	CC # 2	CC # 3	Aug-20	Sep-20	Status
		Owner	Contractor								
E31	Prior to issue of an Occupation Certificate, the Applicant must submit a Site Audit Report and Section A Site Audit Statement for the relevant part of the site prepared by a NSW EPA accredited Site Auditor. The Site Audit Report and Section A Site Audit Statement must verify the relevant part of the site is suitable for the educational establishment land use and be provided for the information of the Planning Secretary and the Certifier.										Not triggered
	[i] Input into site audit statement		**Built**	**Douglas Partners**							
	[ii] Site audit statement to be submitted to the Planning Secretary and the Certifier	**Nihon**		**GHD | dwp**							
	Long Term Environmental Management Plan										
E32	The Applicant must prepare a Long Term Environmental Management Plan (LTEMP), where identified as required by the remediation action plan approved by a NSW EPA Accredited Site Auditor pursuant to condition A19, and submit a copy to the Planning Secretary. The plan must: (a) be prepared by a certified Contaminated Land Consultant; (b) be submitted to the Planning Secretary within one month of the completion of remediation works, unless otherwise agreed by the Planning Secretary; and (c) include, but not be limited to: (i) a description of the nature and location of any contamination remaining on site; (ii) provisions to manage and monitor any remaining contamination, including details of any restrictions placed on the land to prevent development over the containment cell; (iii) a description of the procedures for managing any leachate generated from the containment cell, including any requirements for testing, pumping, treatment and/or disposal; (iv) a description of the procedures for monitoring the integrity of the containment cell; (v) a surface and groundwater monitoring program; (vi) mechanisms to report results to relevant agencies; (vii) triggers that would indicate if further remediation is required; and (viii) details of any contingency measures that the Applicant is to carry out to address any ongoing contamination.										Not triggered
	[i] Input into long term environmental management plan		**Built**	**Douglas Partners**							
	[ii] Long term management plan preparation and submission to the Planning Secretary	**Nihon**		**GHD | dwp**							
E33	The approved LTEMP must be provided to Council within once month for notation of the section 10.7 certificate for the site.										Not triggered
	[i] Long term management plan preparation provided to Council - timing requirement	**Nihon**		**GHD | dwp**							
E34	Upon completion of remediation works, the Applicant must manage the site in accordance with the LTEMP.										Not triggered
	[i] Long term management of the site	**Nihon**		**Facility Manager**							
	Landscaping										
E35	Prior to issue of an Occupation Certificate, the Applicant must prepare an Operational Landscape Management Plan to manage the revegetation and landscaping on-site, to the satisfaction of the Certifier. The plan must: (a) describe the ongoing monitoring and maintenance measures to manage revegetation and landscaping; and (b) be consistent with the Applicant's Management and Mitigation Measures at Chapter 10 in the EIS and as updated by the RtS;										Not triggered
	[i] Preparation of an operational landscape management plan	**Nihon**		**Moir | Azusa | dwp**							
D37	The Applicant must not commence operation until the Operational Landscape Management Plan is submitted to the Certifier.										
	[i] Submission of an operational landscape management plan	**Nihon**		**Azusa | dwp**							

NB Rows for post PC hidden above

Not compliant

Compliant / Complete

In progress

Note with no further actions required

Appendix J - Monthly Waste Recovery Reports

CENTRAL WASTE STATION

BUILT

NIHON UNIVERSITY

RESOURCE RECOVERY REPORT

SEPTEMBER 2020

Towards a Sustainable Future

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centralwaste.com.au
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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

C&D materials for this month which were placed into bins typically included a mixture of mainly wood/timber, masonry, cardboard, etc. processed at our Resource Recovery Facility, offering a very high level of recoverability.

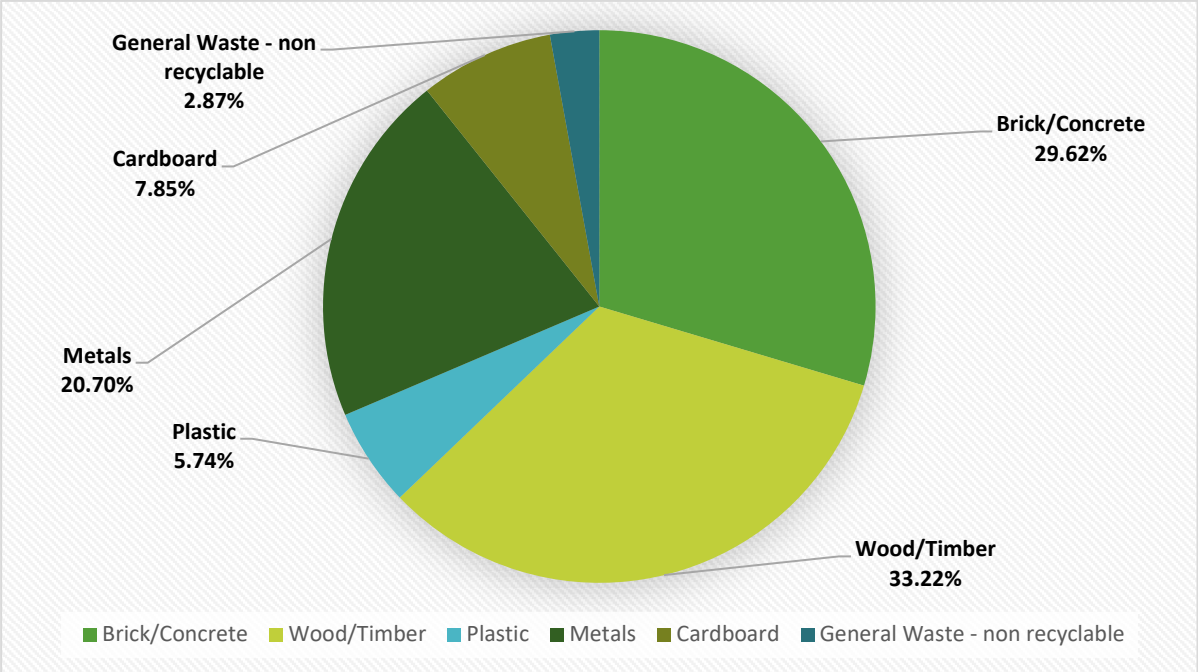
Materials were free of contamination by food or other organic matter which assists in recovery rates, however, non-recoverable/difficult material such as plastics, etc. were found and disposed of as per local regulations.

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)	80.88
Total Recovered (Tonnes)	73.92
Total Recovery Percentage	91.39%

RESOURCE TYPE	TONNES RECOVERED	PERCENTAGE
WOOD/TIMBER	26.87	33.22%
BRICK/CONCRETE	23.96	29.62%
METALS	16.74	20.70%
PLASTICS	4.64	5.74%
CARDBOARD	6.35	7.85%
GENERAL WASTE (NON RECYCLABLE)	2.32	2.87%



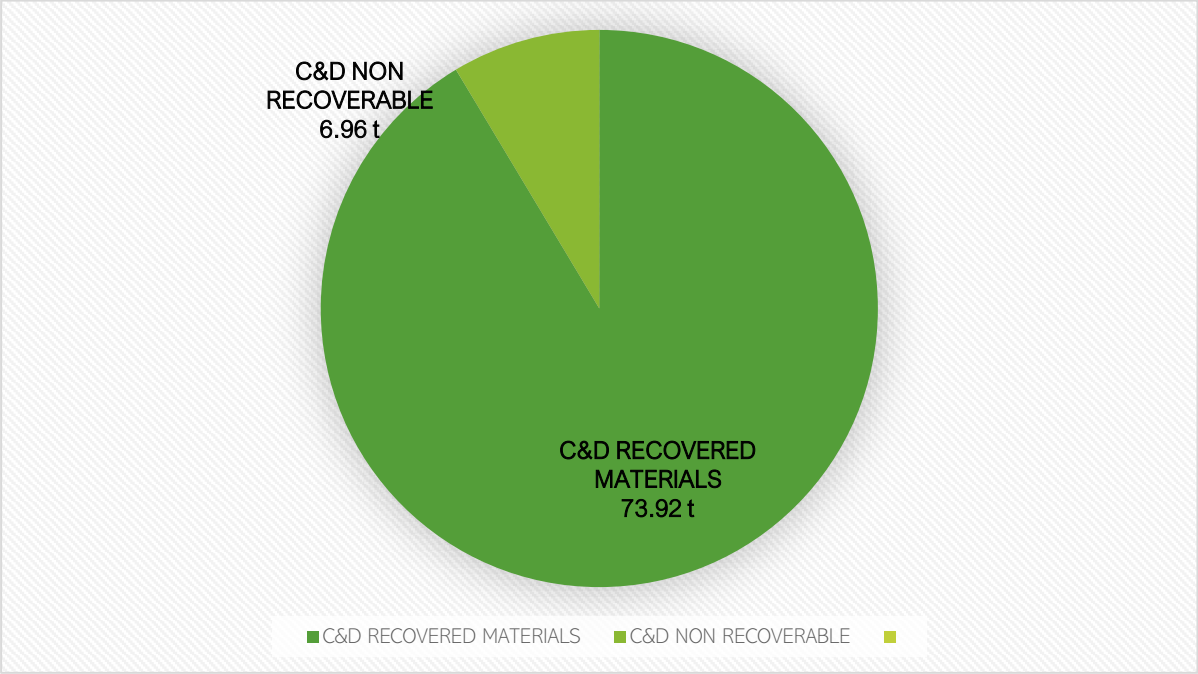
3. RECOVERY SUMMARY)

MONTHLY BREAKDOWN	CWS	OTHER FACILITIES (material specific)	TOTAL
Total Amount Received (Tonnes)	80.88	0	80.88
Total Recovered (Tonnes)	73.92	0	73.92
C&D Non-Recoverable Percentage	8.61%	0%	8.61%
Total Recovery Percentage	91.39%	0%	91.39%

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

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

RESOURCE TYPE	TONNES
C&D RECOVERED MATERIALS	73.92
C&D NON RECOVERABLE	6.96



CENTRAL WASTE STATION

DRUMDERG SERVICES

NIHON UNIVERSITY

RESOURCE RECOVERY REPORT

SEPTEMBER 2020

Towards a Sustainable Future

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

1. OVERVIEW

For the month of September, Drumderg Services produced zero recoverable material. Non recoverable material (asbestos soils) only.

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)	0.00
Total Recovered (Tonnes)	0.00
Total Recovery Percentage	0.00

3. RECOVERY SUMMARY

MONTHLY BREAKDOWN	CWS	OTHER FACILITIES (material specific)	TOTAL
Total Amount Received (Tonnes)	0.00	0.00	0.00
Total Recovered (Tonnes)	0.00	0.00	0.00
C&D Non-Recoverable Percentage	0.00	0.00	0.00
Total Recovery Percentage	-	-	-

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

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

RESOURCE TYPE	TONNES
C&D RECOVERED MATERIALS	0.00
C&D NON RECOVERABLE	0.00
ASBESTOS SOILS	409.66

