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
Rev 1	Ben Moss	20.01.2020	Approved
PCG Report 01	Ben Moss	31.01.2020	January 2020
PCG Report 02	Ben Moss	28.02.2020	February 2020
PCG Report 03	Ben Moss	27.03.2020	March 2020
PCG Report 04	Ben Moss	29.04.2020	April 2020
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

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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: 29th August 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

The project team and site personnel demonstrated excellent HSE performance in August 2020 with zero health, safety, and environmental incidents occurring.

As the structure works continue across the Building A & C, labour numbers are expected to increase along with work areas becoming more restricted. Built will continue to focus on detailed planning and daily communication with site personnel to identify potential hazards in advance, ensuring the appropriate control measures are implemented to protect the wellbeing of personnel, the public, and the environment.

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
-	Nil this period	-

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
10/08/2020	REF: 2008-CQ009 Resident contacted Engineer/Built advising of potential cosmetic damage recently noticed in relation to previous vibration query (2004-CQ005)	Built contacted Resident and requested photographs for preliminary review by Engineer prior to inspection of the property. Built is waiting for confirmation from the Resident of a suitable day/time.
25/08/2020	REF: 2008-CC016 Email received from James Fletcher Hospital Management advising that they had received internal correspondence (dated the previous week) regarding jackhammering.	Built responded advising of current work activities including intermittent use of hand-held jackhammers, and expected completion date of the work. Noise monitoring completed on 11/08/2020 during intermitted jackhammering showed compliance with construction noise levels. JFH Manager responded with no further action required.

3.3 Audits & Monitoring

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

The Built project team completed a total of 49 HSE site inspections and monitoring activities throughout August 2020 with 8 corrective actions assigned as a result.

Table 3 below outlines the total number of activities completed by Built during August 2020. 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.	22	6
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.	12	3
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.	2	0
Audit – Internal HSE Plan	Used to monitor and measure the implementation of the HSE Plan by the project.	1	0
	TOTAL	**49**	**9**

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
03/08/2020	**Site Inspection** Building A & Vehicles Entry – Site clean & tidy, traffic control in place, spotters in place for mobile plant, plant inducted.	Nil
05/08/2020	**Monitoring** SWMS monitoring for working around mobile plant. Formwork subcontractor observed installing formwork tables using forklift in accordance with SWMS & VMP. Exclusion zones and spotters in place.	Nil
11/08/2020	**Site Inspection** Whole of Site – detailed HSE inspection of site found compliance with Safety and Environmental requirements with control measures implemented. Identified issues regarding housekeeping, material storage and access paths.	• Building C work areas & access paths cleaned. • Scaffolders instructed to store materials appropriately / securely.
11/08/2020	**Noise Level Spot Check** Check of noise levels at sensitive receiver locations during material movements using plant, jackhammering, and detailed excavations. Noise levels compliant at all locations.	Nil
14/08/2020	**Site Inspection** Building A inspected and found to be clean and tidy, plant inducted, exclusion zones and barricades in place, and vehicle access / driveway clean.	Nil
18/08/2020	**Monitoring** SWMS monitoring during connection of Hunter Water water main upgrade in relation to traffic management and working around mobile plant. No issues identified.	Nil
19/08/2020	**Site Inspection** Inspection completed on concrete subcontractor prior to pour and identified that environmental controls were in place in accordance with EMP.	Nil
20/08/2020	**Internal HSE Plan Audit** Internal audit of HSE Plan completed with score of 96% Identified that Labour Hire Form had not been completed.	• Built has submitted HSE-130 form to Labour Hire company for completion.
24/08/2020	**Site Inspection** Whole of Site – detailed HSE inspection of site found compliance with Safety and Environmental requirements with control measures implemented.	Nil
26/08/2020	**Site Inspection** Building A inspected and found hoarding and gate in good condition, dust suppression was in place, excavations battered and barricaded, fall protection in place, access paths clear, and work areas / vehicle paths demarcated. Identified missing caps to reinforcement and screening to boundary fence required fixing.	• Caps to reinforcement replaced. • Screen to boundary fence repaired.

28/08/2020	**Noise Level Spot Check** Check of noise levels at sensitive receiver locations during material movements using plant and detailed excavations. Noise levels compliant at all locations.	Nil

3.3.2 External Audits & Monitoring

Attended noise monitoring was undertaken on 04 August 2020 at 36 and 26 Church Street at the request of Built as active construction work was taking place on the eastern and western end of the site including earthmoving equipment being loaded onto transports at the northern end of site. These sites are consistent with being nearest residences to the works. Built additionally requested attended monitoring be undertaken at the James Fletcher Hospital.

Attended noise measurements indicated construction noise trigger levels were exceeded at all measured locations, however, by less than 5 dB(A) at all locations. Additionally, the noise measurements at these locations were well below the highly noise affected noise trigger level of 75 dB(A).

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. The audit identified the following minor non-conformances:

- **Condition A24**
  - The May 2020 PCG Construction Report containing monitoring results for that month had not been uploaded on the proponent's public website.
- **Condition C8 (a) (i)**
  - The CEMP had not been updated to include the amended working hours as a result of the EP&A (COVID-19 Development – Construction Working Days) Order 2020.
- **Condition D8**
  - As a result of the CEMP being non-compliant, a non-conformance was technically triggered due to the development not being carried out in accordance with the most recent version of the approved CEMP.

All non-conformances were closed out by 27th August 2020. GHD is due to submit their final audit report on 23rd 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.

Civil, Piling & Retention Works:

- Hunter Water Water Main Upgrade Works – Complete
- Education Building – Foundation & Kiosk Substation Piles - Complete

Structure Works:

- Residential Building – FRP Level 1 Slab on Ground – Complete
- Residential Building – FRP L1-2 Walls & Columns – Complete
- Residential Building – FRP Atrium Infill Slab & Stairs – Complete
- Residential Building – FRP Level 2 Suspended Slab – Complete (pour date 31/08/2020)
- Education Building – Pile Trimming/Breaking – Complete
- Education Building – Inground Services - Complete

3.4.2 Current Construction Activities

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

Building A – Education

- FRP Capping Beams & Footings – 80%
- FRP Lift Pit – 50%
- Blockwork Walls & Core Filling – 30%

Building B – Heritage

- Structural Repairs & Carpentry – 50% complete
- Level 1 Rough In Services – 55% complete
- Level 2 Rough In Services – 20% complete
- Level 3 Rough In Services – 5%

Building C – Residential

- Blockwork to Southern Retaining Wall – 70% complete
- FRP Level 2-3 Walls & Columns – 10%

- Erection of Perimeter Scaffold (Level 1-2) – 95%

External Works:

- Hunter Water Sewer Upgrade – 75% complete

3.4.3 Upcoming Construction Activities (September 2020)

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

Building A – Education

- FRP Level 1 Slab on Ground
- FRP Level 1-2 Walls & Columns
- FRP Level 2 Suspended Slab
- FRP Level 2-3 Walls & Columns

Building B – Heritage

- Structural Repairs to Levels 2, 3, & 4 – Ongoing
- Rough In Electrical Services to Levels 1, 2, & 3 – Ongoing
- Rough In Mechanical Services to Levels 1 & 2 – Ongoing
- Rainwater Tank & Stormwater Connections – Ongoing
- Waterproofing External Walls - Ongoing
- Rough In Fire Services to Level 1
- Partitions (Walls & Ceilings)

Building C – Residential

- Erect Perimeter Scaffold L2-3
- FRP Level 3 Suspended Slab
- FRP Level 3-4 Verticals (Columns and Walls)

External Works

- Hunter Water Sewer Main Upgrade - Ongoing

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.

3.4.5 Statused Contract Programme

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

3.4.6 Four Weekly Look Ahead

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

3.5 Progress Photos

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

3.6 Design Update

3.6.1 Architectural

- Architectural drawings continue to be updated following minor amendments, close out of services coordination and onsite issues.
- Design for Roof Safety System still outstanding. Design to be issued shortly.
- Window detail to be finalised to confirm waterproofing, flashing, and sill details. Built to review and respond to proposed detail from dwp.
- PCA has approved the Alpolic cladding in lieu of the Vitracore.
- Signage brief to be prepared for Statutory, Wayfinding and Heritage Interpretation. Session scheduled for Monday 31/08 to discuss.

3.6.2 Structural & Civil

- Cardno are revising S138 drawings as per Councils requirements.
- Formwork shop drawings have been received for Residential Building up to Roof Level and Education Building up to Level 3.
- Post Tension shop drawings have been received Residential Building up to Roof Level and Education Building up to Level 3.

3.6.3 Hydraulic Services

- Hydraulic shop drawings have been received for grease traps, lint trap, siphonic drainage and TMV locations.

3.6.4 Electrical Services

- Electrical shop drawings have been received for Dry Fire and the Main Switchboard.
- Alternative light fittings have been approved. Data sheets, lux plots and renders demonstrating compliance with AS1157 and AS4828 to be submitted shortly. Samples to follow.

3.6.5 Mechanical Services

- Shop drawings are underway for Heritage plant rooms and Residential and Education building.

3.6.6 Fire Services

- Fire sprinkler shop drawings are being revised following comments from consultants. The next round of fire services drawings will incorporate the hydrant design. Consolidated fire sprinklers and hydrant design will be certified by the sprinkler contractor; however, the hydrant system will be installed by the plumber.

3.6.7 Fire Engineering

- Revised fire engineering report was issued on 18/08/20 to include performance solution to address the deletion of spandrels to the Education/ Heritage link glazing and the Education internal terraces.

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

- Council provided a response regarding the S138 application on 31st July. A meeting was held on 11th August to go through the response and issues. Cardno and Moir are currently updating their drawings in line with the requirements to re-submit early September.

3.7.3 Ausgrid

- dwp and Azusa to commence easement registration process ASAP so that the easement deed is in place prior to energisation of kiosk.
- Pre-commencement meeting between Ausgrid and Giant was held on site however Built were not advised of the meeting or present.
- Existing Ausgrid HV cables in the footpath will require lowering due to the new footpath works, which will be carried out as an amendment to the current new connection application rather than a separate relocation application. Power & Energy Design will commence this design once the revised design for the footpath is complete

3.7.4 Jemena

- Retail account application has been submitted and Jemena (Zinfra) will send through a quote for the connection works into the property.
- Existing gas lines in the footpath were identified as requiring relocation due to the new footpath works. Jemena (Zinfra) have inspected on site and once the revised footpath design has been completed, they will re-assess and prepare design for relocation of the gas lines.

3.7.5 Hunter Water

- Hunter Water sewer works are ongoing.
- Hunter Water water mains upgrade is complete and connected. Pressure test has been carried out and the results matched the original pressure statement provided by Hunter Water at the start of the project. Flow rate test will be carried out shortly to confirm flow rates.

3.7.6 NBN & TPG

- NBN application to relocate pits and conduits that house the optic fibre has been lodged and invoice to commence design and investigation works is with Nihon for payment.
- TPG have commenced their onsite investigation works.

3.7.7 SANSW

- No further updates.

3.7.8 Principal Certifying Authority

- Following the issue of the revised fire engineering report and the change from Vitracore to Alpolic, an amended CC is required. The PCA has submitted a fee proposal.

3.8 Outstanding RFIs

(Generated from Aconex)

RFI Register							
Mail No.	**Subject**	**Sent**	**From (Company)**	**To (Company)**	**Status**	**Comments / Actions**	**Discipline**
dwp AU-RFI-000099	EXISTING COURT HOUSE DOWN PIPE SURVEY RESULTS	15/04/2020	dwp	Built	Responded	Survey provided. dwp to review	Services
NE-RFI-000044	Roof drainage concept	29/04/2020	Northrop	Built / dwp	Responded	Built provided mark-up of areas where evidence of existing roof leaks. dwp to review and advised	Civil
dwp AU-RFI-000163	17-0347 Nihon University | Heritage Courthouse Roof Drainage	12/06/2020	dwp	Built	Responded	Survey completed on site 24th July 2020. dwp to review	Services
dwp AU-RFI-000167	Pad Mount Kiosk - Ausgrid pre-construction meeting & Table of Critical Dates	22/06/2020	dwp	Built	Responded	Built organising another meeting on site with Ausgrid & Giant	Services
dwp AU-RFI-000175	Ausgrid SMSB Compliance Statement & Checklist	7/07/2020	dwp	Built	Responded	MSB Compliance Statement to be submitted post MSB installation. Mailec will provide forms for Nihon to completed	Services
dwp AU-RFI-000177	Amplifiers	7/07/2020	dwp	Northrop	Responded	ACTION: Built resolving with Mailec and to provide proposal Mailec to provide feedback- Followed up 10.08.2020, 25.08.2020	Services
dwp-RFI-000179	Stormwater diversion WAE survey plans	9/07/2020	dwp	Built	Responded	Stormwater pipe not centred in easement. Pit D3 encroaching on residential building structure. Pit D1 clashes with landscape retaining wall ACTION: Built to respond	Civil
BUILT-RFI-000386	Section J Report	15/07/2020	Built	Northrop	Responded	Section J report to be revisited post award of glazing contract	Services
dwp AU-RFI-000185	Re: Outstanding Coordination Issues	21/07/2020	dwp	Built	Responded	Issues have been updated on current revision of drawings. dwp to review and advised on any outstanding items to be addressed	Services

RFI Register							
BUILT-RFI-000430	RE: Male toilet Level 1 heritage.	28/07/2020	Built	dwp	Responded	Magistrates room and the Male & Female toilet measurements not consistent with plans. Built provided measurements. Waiting for dwp to advised	Architectural
dwp-AU-RFI-000187	Building identification, wayfinding and interpretive signage	29/07/2020	dwp	Built	Responded	Meeting being held Monday - Sita, Katherine & Jun	Architectural
BUILT-RFI-000451	Height of Southern Retaining Wall	4/08/2020	Built	dwp / Northrop	Responded	dwp assessed as built and advised on design impacts with capping beam. Built to respond to dwp	Structural
BUILT-RFI-000453	Outstanding structural items	5/08/2020	Built	Northrop	Responded	Northrop to provide further responses for outstanding queries - 418	Structural
BUILT-RFI-000468	Roof Access Proposal	10/08/2020	Built	dwp	Responded	Design being finalised	Architectural
BUILT-RFI-000471	Setout dimensions for OAC unit in L2 ceiling space	11/08/2020	Built	Northrop	Responded	Northrop to provide dimension of void former for the OAC unit. To be documented in L3 concrete Setout	Architectural/ Services
dwp AU-RFI-000193	Atrium roof support L3 Res	11/08/2020	dwp	Built	Responded	Built preference to keep concrete upstand but finish the upstand at the end of the roof.	Architectural/ Structural
BUILT-RFI-000487	Card Reader	17/08/2020	Built	dwp	Responded	Card readers and electric strikes differ in architectural spec and electrical spec. Additional card readers added on architectural specs and not included on electrical service drawings	Services
dwp AU-RFI-000195	Marline Services Site Inspection Report 01 - August 2020	17/08/2020	dwp	Built	Responded	Responses provided to Marline Services inspection report. Northrop confirmed turning vanes required.	Services
BUILT-RFI-000493	Lowering of HV Cables in Footpath	18/08/2020	Built	Power Design	Outstanding	Impacts of footpath works to substation. Fee proposal required, plans to be updated, advised on Ausgrid approval timeframes	Services
dwp AU-RFI-000196	Mechanical Floor Grille Colour selection	18/08/2020	dwp	Built	Responded	Built organising a sample	Services
BUILT-RFI-000499	Alternatives to Sprinklers in Comms Rooms	18/08/2020	Built	dwp	Outstanding	Costs for gas suppression system to comms rooms	Services
BUILT-RFI-000511	Confirmation of Fire Rated Steel	20/08/2020	Built	Dix Gardner / dwp	Responded	Dix Gardner to provide comment on fire rating of steel components	Structural

RFI Register							
BUILT-RFI-000515	Sprinkler Drawings Comments	21/08/2020	Built	Northrop	Outstanding	Sprinkler drawings - combined services sketches in dwg format queries about diffusers in eastern and western residential rooms	Services
BUILT-RFI-000516	Irrigation requirements	21/08/2020	Built	Moir	Responded	Proposed irrigation layout provided to dwp / Moir for review and comment	Landscape
BUILT-RFI-000519	Building B Level 2 - Cable Tray Deletions	24/08/2020	Built	Northrop	Responded	Use of catenary wires L2	Services
BUILT-RFI-000527	Heritage Brickwork Adjacent to Stair A2	26/08/2020	Built	dwp	Responded	Built to review AA24	Structural
BUILT-RFI-000528	Chimney Strengthening Works	26/08/2020	Built	Cardno	Responded	Further investigation works required	Structural
dwp AU-RFI-000198	Substitution of Cladding - Vitracore G2 for Alpolic NC	26/08/2020	dwp	Dix Gardner	Responded	Alternative approved - to be incorporated into additional CC	Architectural
dwp AU-RFI-000199	Re: Southern Capping Beams - As Built Survey Plans	26/08/2020	dwp	Built	Outstanding	Capping beam set out impacting landscaping features. Built to respond	Landscape / Structural
dwp AU-RFI-000099	EXISTING COURT HOUSE DOWN PIPE SURVEY RESULTS	15/04/2020	dwp	Built	Responded	Survey provided. dwp to review	Services

3.10 Recycling Records

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

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 August 2020, the Waste Recovery Percentage is **91.71%**

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

Aug-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*
TOTALS:	**56480**	**3**	**1**	**0**	**2**	**0**	**13**

Appendix B – Community Liaison Register

Community Liaison Register

Built.

Project: Nihon University

Complaints Register

Last Updated: 28/08/20

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

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

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

2004-CC014	28/04/2020 2:42pm	Nicole Halpin (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	Bernadette Connolly (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: 28/08/20

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

Community Liaison Register

Built.

Project: Nihon University

Queries Register

Last Updated: 28/08/20

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

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	John Pasterfield	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. Waiting on response from Resident.	N

Appendix C – Audit Records

Site Inspection

Details

Form id	145012
Created at	03/08/2020 by Benjamin Bates
Completed at	05/08/2020
Last modified	05/08/2020 06:31:55 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 site area and site entry
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.*	All mobile plant built inducted Site area clean and tidy and trades working in well together Trades wearing correct PPE at time of inspection Site frontage and entry cleaned at time of inspection Traffic control in place Trades have spotters in place as required

High Potential Hazard Reporting

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

Site Inspection

Additional

Photos



Site Inspection



Site Inspection



Site Inspection



Site Inspection



Attachments

- *No file attachments*

Actions Summary

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

Actions

Monitoring

Details

Form id	145520
Created at	05/08/2020 by Michael Louis
Completed at	05/08/2020
Last modified	05/08/2020 14:14:47 by Michael Louis
Status	Complete
Respondent	Michael Louis
Division	NSW
Business unit	Newcastle Fitout
Department	
Project	Nihon University Newcastle Campus
Subcontractor	Oakdale Group Pty Limited
Monitoring Activity	Struck by Moving Plant
Outline of activity being monitored	Installation of formwork tables
Documents referenced during monitoring *This could include; SWMS, Permit, Traffic Management Plans, Methodology documents, Engineering advice, SOP/JSA.* *Where possible provide the exact name and version number of the document.*	SWMS, VMP
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.*	Oakdale wee observed installing tables with the forklift. Exclusion zones were in place to prevent unauthorised access and spotters in place when moving loads.
Was work required to be stopped?	No

High Potential Hazard Reporting

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

Built staff in attendance

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

Attendee name
Michael Louis

Others in attendance

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

Subcontractor name	**Persons name**

Monitoring

Additional

Photos

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	146599
Created at	11/08/2020 by Benjamin Moss
Completed at	11/08/2020
Last modified	13/08/2020 08:49:02 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
Rodney O'Neill
Leif Aleksic
Robbie Clydesdale

Others in attendance

Subcontractor Name	Persons Name
Oakdale Group Pty Limited	Aaron Rust
GERRARD MURPHY (DRAINAGE) PTY LTD	Daniel

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 / GENERAL:
- COVID Signage & Sanitiser Stations in place at entry
- Hazard Hunt Board current
- Site Entry clean.
- Hoarding in good condition with required stat signage in place.
- Truck logs at gates.
- Traffic control in place & inspections completed.
- Work Zone & Footpaths clean. Sediment control to drain.
- Waste segregation where applicable.
- Scaffold tags inspected & current.
- Appropriate PPE being worn.

BUILDING A:
- Delineation of work areas in place.
- Plant inducted & log books signed.
- Trip hazards (conduit risers) spray painted or marked with bollard.
- Exposed Reo capped.
- Stockpiles segregated.

BUILDING B:
- Fire Extinguishers in place.
- Wayfinding signage in place.
- Housekeeping good.
- Pennos covered.

BUILDING C:
- Housekeeping to improve.
- Gates to remain closed when not in use.
- Improper storage of materials (scaffold standards stored upright).
- Access path not clear of materials.
- Materials blocking clear access to Safety Station.
- Exclusion zones in place and workers communicating.
- Temp Elec Boards protected and correctly labeled.

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



Site Inspection



Site Inspection



Site Inspection



Site Inspection



Site Inspection



Site Inspection



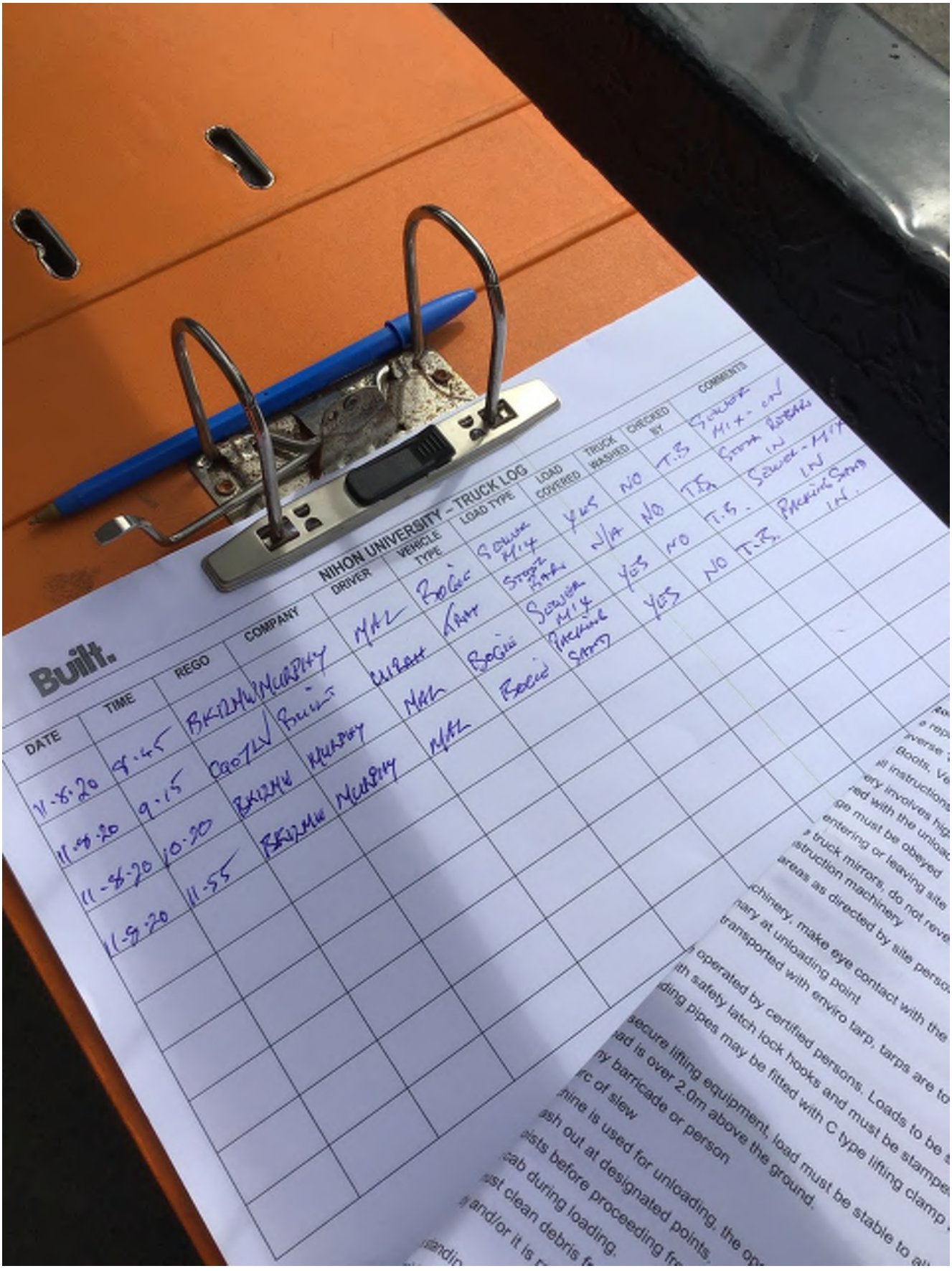
Site Inspection



Site Inspection



Site Inspection



Site Inspection



Site Inspection



Site Inspection



Site Inspection



Site Inspection



Site Inspection



Site Inspection



Site Inspection



Attachments

- *No file attachments*

Actions Summary

Site Inspection

ID	First name	Last name	Due date	Date closed	Action description	Status	Last Comment
37715	Robbie	Clydesdale	12/08/2020	12/08/2020	General clean of Building C Areas by trades. Bins are provided near work areas.	Closed	
37716	Robbie	Clydesdale	11/08/2020	12/08/2020	Scaffolders to not store materials by leaning them vertically (creates falling objects hazard)	Closed	
37717	Robbie	Clydesdale	12/08/2020	12/08/2020	Materials to be removed from blocking access to access paths and emergency response elements (Safety Station, Fire Extinguishers, etc.)	Closed	

Site Inspection

Actions

ID: 37715 **Due date:** 2020-08-12 **Status:** Closed

Actionee: Robbie Clydesdale **Date closed:** 2020-08-12

Action description: General clean of Building C Areas by trades. Bins are provided near work areas.



Attachments

- *No file attachments*

ID: 37716 **Due date:** 2020-08-11 **Status:** Closed

Actionee: Robbie Clydesdale **Date closed:** 2020-08-12

Action description: Scaffolders to not store materials by leaning them vertically (creates falling objects hazard)

Attachments

- *No file attachments*

ID: 37717 **Due date:** 2020-08-12 **Status:** Closed

Actionee: Robbie Clydesdale **Date closed:** 2020-08-12

Action description: Materials to be removed from blocking access to access paths and emergency response elements (Safety Station, Fire Extinguishers, etc.)



Attachments

- *No file attachments*

Noise Level Spot Check Report **Date:** 11/08/20

Assessor Name and Position: Michael Louis/HSEC

People Present: Michael Louis

Equipment Used: QM 1598 **Calibration Date: 30/07/20**

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 – Crane in operation, forklift moving materials, passing traffic.

Location 2 – Jack Hammering Piles, truck movements, excavator in operation, passing traffic.

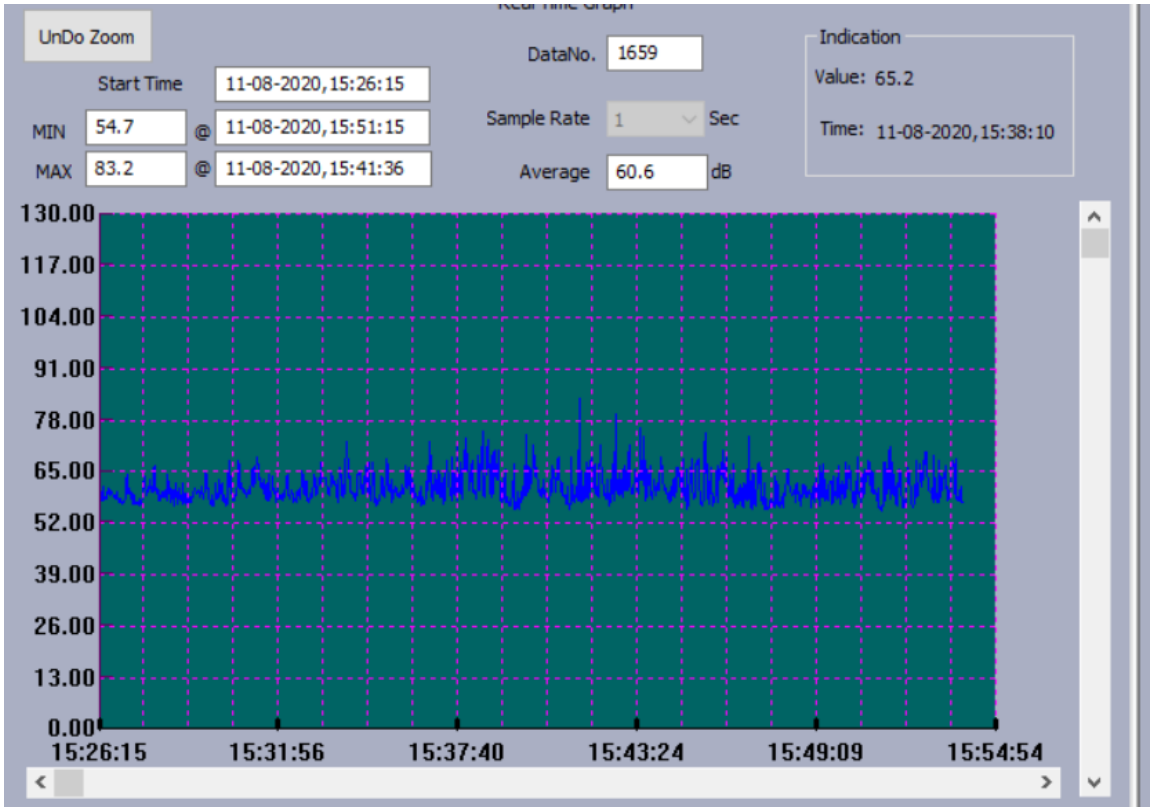
Location 3 – Jack Hammering, Piling works, excavator in operation.

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

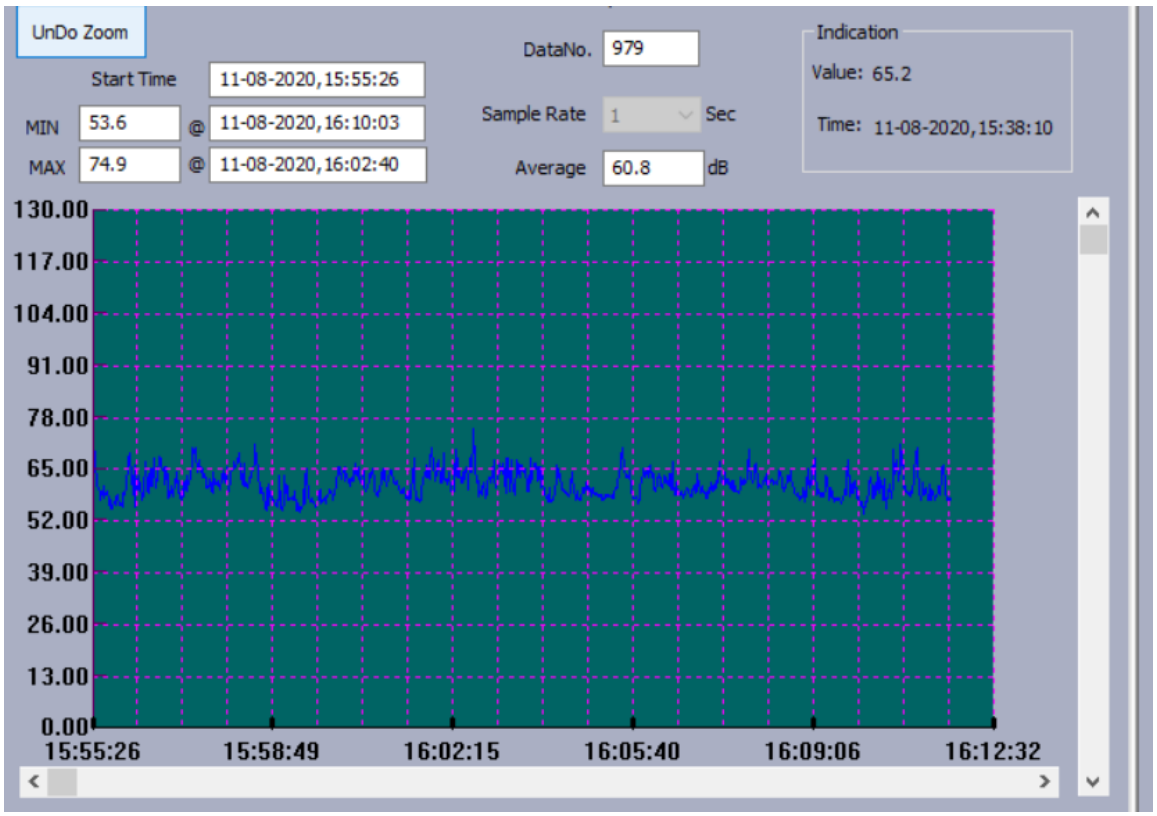
Is this monitoring being conducted as a result of a complaint? If yes, provide brief details: No

Results:

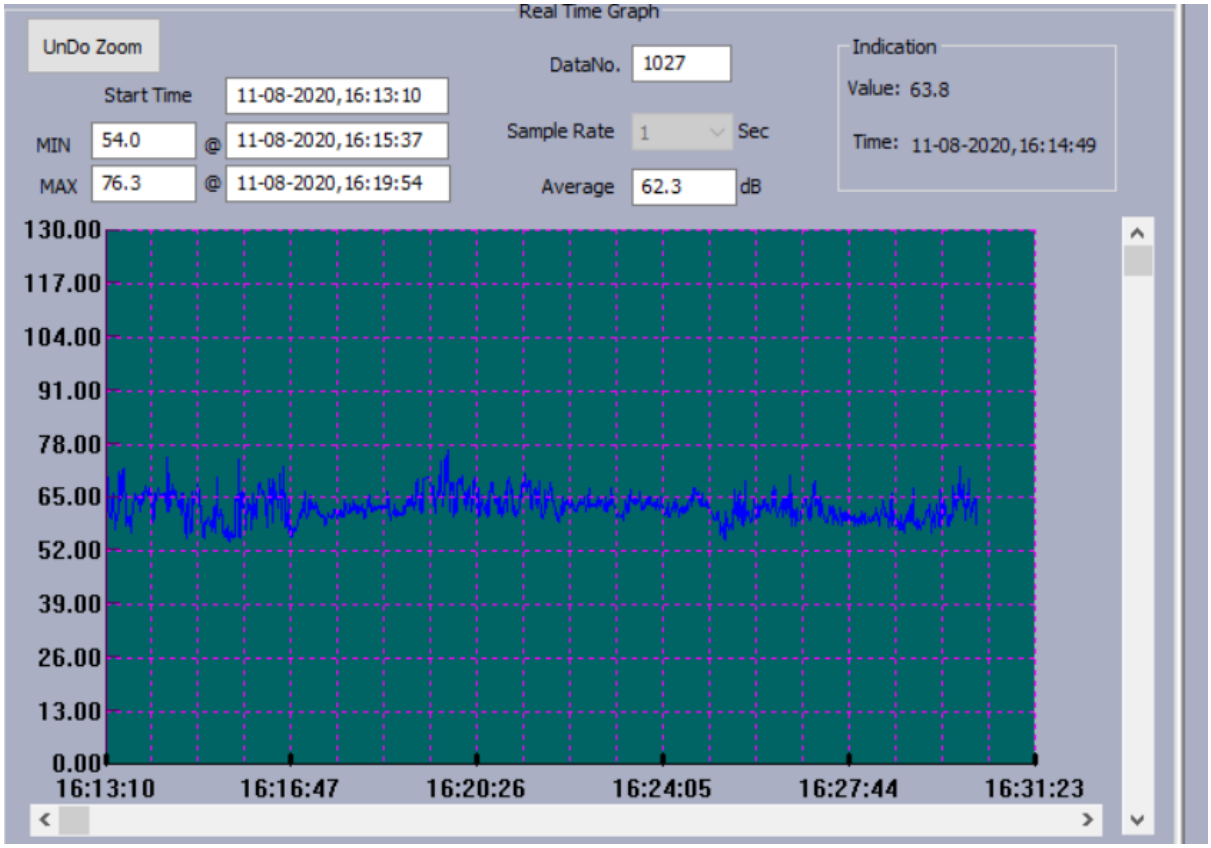
Location 1



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)

Site Inspection

Details

Form id	147369
Created at	14/08/2020 by Benjamin Bates
Completed at	14/08/2020
Last modified	14/08/2020 11:43:28 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 area clean and tidy All plant built inducted Exclusion zones and trench barricading in place Bins emptied at time of inspection Site frontage and bin compound cleaned at time of inspection Water filled barriers used for trade work areas

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



Attachments

- *No file attachments*

Actions Summary

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

Actions

Monitoring

Details

Form id	147896
Created at	18/08/2020 by Leif Aleksic
Completed at	19/08/2020
Last modified	19/08/2020 15:34:12 by Michael Louis
Status	Complete
Respondent	Leif Aleksic
Division	NSW
Business unit	Newcastle Fitout
Department	
Project	Nihon University Newcastle Campus
Subcontractor	GERRARD MURPHY (DRAINAGE) PTY LTD
Monitoring Activity	SWMS Monitoring
Outline of activity being monitored	Hunter upgrade works
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.*	Traffic management Working around plant
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.*	All working in accordance with SWMS
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
Leif Aleksic

Others in attendance

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

Subcontractor name	**Persons name**
GERRARD MURPHY (DRAINAGE) PTY LTD	

Monitoring

Additional

Photos



Monitoring



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	148095
Created at	19/08/2020 by Olivia Ryan
Completed at	19/08/2020
Last modified	28/08/2020 13:33:31 by Benjamin Moss
Status	Complete
Respondent	Olivia Ryan
Division	NSW
Business unit	NSW Fitout
Department	
Project	Nihon University Newcastle Campus
Subcontractor	DE MARTIN & GASPARINI PTY LIMITED
Type of Site Inspection	Environmental Inspection

Built Attendance

Include the person who is logged in as well.

Name
Olivia Ryan

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.*	Concrete pour residential L1 atrium
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.*	Concrete wash out pit on site and plastic ready for excess concrete to be discharged into from trucks in accordance with Environmental Plan

High Potential Hazard Reporting

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

Site Inspection

Additional

Photos



Attachments

- *No file attachments*

Actions Summary

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

Actions

Audit - Internal HSE Plan

Details

Form id	148362
Created at	20/08/2020 by Michael Louis
Completed at	28/08/2020
Last modified	28/08/2020 14:45:25 by Michael Louis
Status	Complete
Respondent	Michael Louis
Division	NSW
Business unit	Newcastle Fitout
Department	
Project	Nihon University Newcastle Campus
Subcontractor	BUILT PTY LIMITED
Score	96%
Built attendees	

Name
Michael Louis

Section 1 -3 HSE Plan and Policy

HSE Plan and Policy Criteria

Plan is signed by CM, PM and HS resource

Document change control is up to date and signed by PM

Details of “General” details plan are correct

Access arrangements to site is identified

Pre-commencement Checklist completed by PM (Optional)

Site establishment self assessment checklist is completed by PM

Policies are current and on display in Induction area and in a prominent location on site

HSE Plan and Policy Notes	Yes to all
HSE Plan and Policy Performance	Compliance

Section 4 Management Responsibility and Participation

Management Responsibility and Participation Criteria

Org chart is complete and up to date and identified (Senior Most Person)

Appendix 12 is complete

All staff an CW’s who have role in the HSE Plan have signed their induction into the plan in Appendix 14

The Built Project Team have the minimum “Industry Experience” and Minimum Training Completed” as outlined in table.

Issues with personal behavior are managed as per Item 4.8 of the HSE Plan

Management Responsibility and Participation Notes	Yes to all

Audit - Internal HSE Plan

Management Responsibility and Participation Performance	Compliance

Section 5-6 HSE Planning and Risk Management

HSE Planning and Risk Management Criteria

The HSE plan has been formally reviewed at 3 month periods.

Project targets are outlined

Appendix 5 “Overview” is completed

Appendix 5 “Project Risk Register” is complete and reflects current activities

Appendix 5 identified the Construction Risks from SIDE

Appendix 5 identifies a “Constructability Review”.

Appendix 5 identifies when High Risk Workshops are to occur

Where work is completed in a client “Live” space, A risk Assessment has been obtained from the stakeholder and included in Appendix 5

High Risk WorkShop Meetings take place

Actions from High Risk Workshops are closed

BSMS are formally reviewed monthly

HSE Planning and Risk Management Notes	Yes to all
HSE Planning and Risk Management Performance	Compliance

Section 5-6 HSE Planning and Risk Management (SWMS)

HSE Planning and Risk Management (SWMS) Criteria

SWMS are reviewed against HSE-041

SWMS are “Accepted” by PM or SM

Supervisors have registered their review on the HSE-041

SWMS identifies only HRCW

Workers are inducted to SWMS

Workers understand the controls identified in the SWMS

SWMS in formally Monitored as soon as implemented

SWMS is formally reviewed after a Notifiable Incident

HSE Planning and Risk Management (SWMS) Notes	Swms are reviewed in Simpli SWMS and monitored as required.
HSE Planning and Risk Management (SWMS) Performance	Compliance

Section 7 Safety In Design Evaluation (SIDE)

Audit - Internal HSE Plan

Safety In Design Evaluation (SIDE) Criteria

Written SIDE document obtained from client (D&C and Construct Only

Consultant Novation Agreements include responsibilities for SIDE

SIDE Workshop facilitated

Safety In Design Meetings are recorded

HSE-111 Completed to record, monitor and track design risks

Design risks are transferred to the Construct risks in Appendix 5

Safety In Design Evaluation (SIDE) Notes	SIDE workshops completed
Safety In Design Evaluation (SIDE) Performance	Compliance

Section 8 Purchasing

Purchasing Criteria

Purchase orders identify the WHS requirements and verified upon receipt

HSE-130 is completed in full for all labour hire staff on the project

Purchasing Notes	HSE 130 has not been completed
Purchasing Performance	Non Compliance

Section 9 - 10 Subcontractor and Authority Management

Subcontractor and Authority Management

PD11-05B Tender Interview is completed for subcontractors

Pre-commencements Assessment (PCA) issued to all subcontractors

All PCA’s are complete

All PCAs are reviewed by Built

All Meetings identified in the PCA have occurred

All requests for site entry by a Union are recorded in Rapid

All visits to site by a Regulator are recorded in Rapid

All Notices issued by a Regulator are record in Rapid and closed

Subcontractor and Authority Management Notes	Yes to all
Subcontractor and Authority Management Performance	Compliance

Section 11 Communication and Consultation

Audit - Internal HSE Plan

Communication and Consultation Critria

Safety Team Meeting recorded monthly

PreStart Meetings recorded

Project Team Meetings held fortnightly and discuss WHS matters

A vote is recorded identifying the Consultative Arrangements for the project

HSE-032 identifies the Consultative Arrangement. HSE-032 is displayed in the induction area and on site.

For WHS Committees, HSE-031 is completed.

HSR Training is completed when requested

Tool Box Meeting or Site Wide Address is completed with all the workforce atleast every 2 weeks

All complaints from members of the public are recorded on Rapid

Hazard Hunt Board is erected, updated daily and includes correct info

Signage is erected and identifies all elements in 11.8.1.

Communication and Consultation Notes	Yes to all
Communication and Consultation Performance	Compliance

Section 12 Induction and Training

Induction and Training Criteria

Workers and staff are inducted

Photo Id, Industry Induction, High Risk Work Licenses and trade licenses are recorded during induction

Appendix 7 is current and available to inductees

Translation solutions are available for workers who non-english speaking

Y&I workers are provided with an identifying hard hat sticker and are addressed by a Senior Staff member prior to commencing works on site.

Site Crane Crew (crane operators and dogmen) are inducted into Built's lifting and Slinging Guide

A Sign in Register is available to Workers and Visitors

HSE-003 is completed for all new or transferred employees (Wages and Salary staff)

Induction and Training Notes	Yes to all
Induction and Training Performance	Compliance

Section 13 Incident Management

Incident Management Criteria

All incidents are entered into Built's Rapid Incident Reporting

Corrective actions are closed out in a timely manner

Incident Management Notes	incidents recorded in rapid
Incident Management Performance	Compliance

Audit - Internal HSE Plan

Section 14 Hazardous Substances/Materials

Hazardous Substances/Materials Criteria

A hazardous substance survey is undertaken

Asbestos register established and maintained

A clearance certificate is obtained from a competent person to verify safe removal or treatment

Records are maintained of all contaminated soil/in-situ hazardous material or imported fill

A qualified occupational hygienist been consulted to determine the requirements for air monitoring.

Hazardous Substances/Materials Notes	Yes to all
Hazardous Substances/Materials Performance	Compliance

Section 15 Hazardous Chemicals

Hazardous Chemicals Criteria

Register of all hazardous chemicals is established and maintained

SDSs are maintained in the main site office and/or at the first aid

Workers likely to be exposed to hazardous chemicals are made aware

Hazardous Chemicals Notes	Yes to all
Hazardous Chemicals Performance	Compliance

Section 15 Hazardous Chemicals (Health Surveillance)

Hazardous Chemicals (Health Surveillance) Criteria

Asbestos_Air monitoring results shall be recorded and kept for a period of 30-years

Bio_First aid officers received hepatitis B vaccinations

Aud_Test completed (<3mths & 2yrs)

Health surveillance equipment is calibrated and recorded

Noise_Monitoring completed to identify situations where workers exposed

Hazardous Chemicals (Health Surveillance) Notes	asbestos and demolition management plan in place for asbestos removal works
Hazardous Chemicals (Health Surveillance) Performance	Compliance

Section 16 Plant and Equipment

Audit - Internal HSE Plan

Plant and Equipment Criteria

All mobile plant is inspected upon arrival to site

Any ROPS and/or FOPS are fitted with compliance plates

POI completed (TC, MC, MH, PMH, MCWP)

Plant Operators meet the competency requirements

Copies of licences recorded

EWP_Protective structures or Sensing device fitted

Daily inspection completed on plant

All keys are removed and quarantined to prevent unauthorised use

Lifting gear is listed on a register

Tags are displayed on lifting gear

VMP complete

Evidence of COR available

Plant and Equipment Notes	Yes to all, VMP not applicable
Plant and Equipment Performance	Compliance

Section 16 Plant and Equipment (Mobile Cranes)

Plant and Equipment (Mobile Cranes) Criteria

Risk assessment completed includes; Ground conditions, Need for lifting plans, Lifting of materials and workers.

Lifting procedures completed

Support system for mobile crane loads determined by engineer and marked up.

Engineer has inspected support system

Geotech engineer determined natural and filled ground.

Plant and Equipment (Mobile Cranes) Notes	Yes to all
Plant and Equipment (Mobile Cranes) Performance	Compliance

Section 17 Permits To Work

Permits to Work Criteria

Conc cut and drill_issued to the subcontractor prior to any cutting or core drilling

Hot Work_issued before hot work commences.

Conf_ issued before work is undertaken.

Exc_issud where ever identified that services are present

Exc_DBYD Complete

Exc_Geo tech inspected trench

Harn_For all arrest and restraint harness work

Audit - Internal HSE Plan

TC_permit complete

9in_issued before use

Strip_Permit or process in place

Permits To Work Notes	Yes to all, premits in place, being monitored progressively
Permits To Work Performance	Compliance

Section 21 Work at Heights

Work at Heights Criteria

Platform ladders used

Roof access register used

Roof mesh sign off complete

Workers are trained

Rescue procedure developed

Inspection register for equipment

Fall prevention system installed to design and install cert available

Work at Heights Notes	All working at heights activities in accordance with high risk SWMS
Work at Heights Performance	Compliance

Section 23 Excavations and Trenches

Excavations and Trenches Criteria

stability of adjacent building structures/materials/foundations is assessed before excavation.

Adjoining structures are identified

Dilap survey complete for adjoining buildings

Support system is installed as per engineering

Design of support structure available

Workers are trained / competent in ground support system

Hand over cert is complete for ground support system

Plant is physically protected from falling into excavation

Excavations and Trenches Notes	Minimal trench.excavation work on site at present, benched and battered where required, shoring boxes used when required.
Excavations and Trenches Performance	Compliance

Section 24 Isolation/Protection of Services

Isolation/Protection of Services Criteria

HSE-092 completed for all works in close proximity to live services

Workers inducted into HSE-092

Fire impairment has written authorisation from Built

Isolation/Protection of Services Notes	Mailec completing hse 92 and 94 forms as required.
Isolation/Protection of Services Performance	Compliance

Section 28 HSE Inspections

HSE Inspections Criteria

Inspections are carried out covering all shifts

Consultative Process Inspection is distributed

All Built items are actioned in a prompt manner

All subcontractor items are actioned in a prompt manner

A supervisor Inspection is completed weekly for all areas of the project

All actions identified in Supervisor Inspections are closed

Long Weekend/Holiday checklists are complete

Site Hazard Reports (HSE-046) are closed

HSE Non Conformance Consultation Records are closed

Actions from Monitoring activities are closed

HSE Inspections Notes	HSE inspections are carried out by persons nominated to do so at regular intervals.
HSE Inspections Performance	Compliance

Section 29 First Aid

First Aid Criteria

First Aid Risk Assessment is complete

There are sufficient numbers of First Aid trained staff and workers on site

First aid facilities and equipment is inspected and recorded

Suitable first aid communication arrangements are established.

Any Nurse Call type system is tested weekly using (HSE-061)

HSE-016 or Rapid is used to record first aid treatments

HSE-024 is available for Built Employees

First Aid Notes	yes to all
First Aid Performance	Compliance

Section 30 PPCE

PPCE Criteria

Training in the selection of PPCE is complete

Instruction in the use of PPCE is complete and recorded

Mandatory PPCE is worn by staff and workers

Task Specific PPCE is worn by staff and workers

All PPCE is in a good state of repair

Audit - Internal HSE Plan

PPCE Notes	yes to all
PPCE Performance	Compliance

Section 31 Emergency Response

Emergency Response Criteria

Project Emergency Response Plan has been developed

Emergency procedures and equipment to be adopted for the site are included in the site-specific induction and displayed on site notice board

App6 includes a schedule for the emergency equipment to be deployed on the project

Emergency procedures have been assess consideration to suitability, location and accessibility

Emergency procedures have been reviewed as works progress

Trial evacuation drills are held within 3 months of the project commencing and then at 6 monthly intervals

Emergency drills are recorded

Evacuation system is tested weekly and results recorded

Fire extinguishers are tested and identified on a register

Fire extinguishers tested are in date

Fire Extinguisher locations have been located following a risk assessment with a trained person

HSE-071 is used to register all fire extinguishers

Crisis Management Flowchart is on display in office and plan is readily accessible

Emergency Response Notes	yes to all. In lieu of emergency evac, due to covid concerns, evac plan was consulted in site wide toolbox with all contractors
Emergency Response Performance	Compliance

Section 32 Injury Management

Injury Management Criteria

First aider notifies Built Management prior to workers being referred to a medical facility

Injury Management Notes	yes
Injury Management Performance	Compliance

Section 33 Traffic and Pedestrian Management

Traffic and Pedestrian Management Criteria

Traffic and Pedestrian Management Plan is developed by a suitably qualified person

The Traffic Management Plan is approved, as required, by the relevant statutory authority

Where Traffic Controllers are required they meet the competency requirements as outlined in **Appendix 08 Verification of Competencies**.

Audit - Internal HSE Plan

Traffic Control Devises are only installed by persons holding the required competency.

Traffic Controllers, or other suitable competent person, are to provide documented confirmation to verify that traffic control devises have been installed in accordance with the relevant traffic control plan or traffic management plan.

Traffic and Pedestrian Management Notes	yes to all
Traffic and Pedestrian Management Performance	Compliance

Section 34 Engineers Certification and Design

Engineers Certification and Design Criteria

An engineer’s certificate is to be provided for:

Any cage, bin, box etc. that is to be used to transfer materials around the site by use of a crane.

Prior to any mobile plant being placed on any, or part of any suspended deck or slab that is a part of the permanent or temporary structure

Suspended formwork deck prior to the placement of concrete onto the formwork deck. The certificate is to state that the formwork complies with the requirements of Australian Standard AS 3610.

Scaffolding in accordance with Built.Safe Mandatory Standard **HSE-120 BSMS Scaffolding.**

Fixing of attachments to structures that support workers.

Propping of permanent or temporary structures.

Trench/Excavation Shoring systems

Precast / Tilt-up support systems

Engineers Certification and Design Notes	yes to all
Engineers Certification and Design Performance	Compliance

Section 36 HSE Reporting and Records

HSE Reporting and Records Criteria

HSE-020 is prepared in a timely and professional manner with all requirements fulfilled

Project hours are recorded

Safety Debriefs are communicated to project team

All HSE records are kept for 10 years

HSE Reporting and Records Notes	yes to all
HSE Reporting and Records Performance	Compliance

Section 37 Audits

Audit Criteria

Project is identified on the audit schedule HSE-102

HSE-103 Site establishment Self Assessment Checklist

Audit - Internal HSE Plan

HSE Plan audit completed within 6 months of commencement and 9 month intervals there after

Audit report has been reviewed by Construction Manager

All audit non conformances are closed

Audits Notes	Audits have been completed at the required intervals
Audits Performance	Compliance

App11 Environmental Management

App 11 criteria	yes to all

The Enviro Plan is reviewed during Project Team Meetings.

The Enviro Plan has been reviewed after significant enviro event or atleast every 12 months.

Project Enviro objectives are outlined.

NABERS and Green Star ratings identified.

Enviro and Sustainabilty events and progress are identified in monthly reports (PCG, PMR etc).

Enviro events are reported via Rapid and closed.

Tool Box and Subcontractor Meetings identify Enviro issues.

Supplementary plans are developed o control specific Enviro risks.

The App12 is supplied to Contractors and all Supplementary Plans.

Contractors have provided ITPs for how Enviro Risks are to be manged in their scope.

Monitoring has been completed on Contractors Enviro Management.

Inspections are completed on Environment Management at intervals outlined in the A&I Register and all action items are closed.

Enviro controls outlined in the Development Consent are incorporated in the Aspects and Impacts Register.

A Contaminated Site Assessment is complete for contaminated sites.

Enviro targets are reviewed on a quarterly basis.

The Site Induction includes an outline of the EMP and site rules related to Enviro Management.

External Stakeholders are outlined in the EMP.

Audit - Internal HSE Plan

Community Complaints are recorded on Rapid and closed.

App 11 Performance	Compliance
App 11 Environmental Management (A&I Register)	yes to all

The Project Environmental Aspects and Impacts Register is complete.

The Aspects and Impacts Register is provided to relevant Contractors.

Inspections are completed on site by Supervisors as outlined in the Aspects and Impacts Register.

Enviro controls outlined in the Development Consent are incorporated in the Aspects and Impacts Register.

App 11 (A&I Register) Performance	Not Applicable

Additional

Photos

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	148851
Created at	24/08/2020 by Michael Louis
Completed at	24/08/2020
Last modified	24/08/2020 10:59:38 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	Supervisor Inspection

Built Attendance

Include the person who is logged in as well.

Name
Michael Louis

Others in attendance

Subcontractor Name	Persons Name

Areas or Locations Inspected *Identify the area/s reviewed during the inspection. The may include; whole of project, certain levels or certain locations.*	Site wide and sit boundaries
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.*	Inspected traffic and pedestrian management which included work zone signage, foot paths, sediment control, hoarding and vehicle movements. Truck logs and daily inspections are being completed by the traffic controllers Waste management being managed through segregation of steel and general waste. Housekeeping found to be adequate across site. Dust suppression not required for current days works and noise from plant and equipment are within the site guidelines. No run off from site, spill kits on site for plant and equipment. Log books being complete for plant and all in in good working order. Covid 19 controls in place as per pandemic action plan. Excavations and stockpiles managed to ensure run off could be controlled. Excavations managed for fall of persons and collapse. Heritage elements protected where possible and practical. Scaffold and formwork decks inspected for fall of material and fall of person risk. Handrails, toe boards and peno covers in place.

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



Site Inspection



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Site Inspection



Site Inspection



Attachments

- *No file attachments*

Actions Summary

Site Inspection

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

Actions

Site Inspection

Details

Form id	149394
Created at	26/08/2020 by Benjamin Moss
Completed at	26/08/2020
Last modified	28/08/2020 09:50:44 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 *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.*	- Dust suppression in place through light watering of stockpiles and exposed surfaces. - Excavations battered and have barricades/fencing and signage in place. - Fall protection in place and in good condition along the Western retaining wall. - Vehicle access paths demarcated from work areas. - Building access paths clean and clear. - Site materials stored appropriately. - Scaffold tag in date and looks in good condition. - Hoarding & gate in good condition, no signs of damage. - The screen on the Western chain link fence requires fixing. - Starter bars missing caps.

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
38282	Benjamin	Bates	27/08/2020	28/08/2020	Starter bars to have caps at all times. Please action to CDMT & Pinnacle.	Closed	
38283	Benjamin	Bates	27/08/2020	28/08/2020	Fix screen attached to Western chain link fence on Hospital boundary. Please assign to Matt or Dennis.	Closed	

Actions

ID: 38282 **Due date:** 2020-08-27 **Status:** Closed

Actionee: Benjamin Bates **Date closed:** 2020-08-28

Action description: Starter bars to have caps at all times. Please action to CDMT & Pinnacle.





Site Inspection

Attachments

- *No file attachments*

ID: 38283 **Due date:** 2020-08-27 **Status:** Closed

Actionee: Benjamin Bates **Date closed:** 2020-08-28

Action description: Fix screen attached to Western chain link fence on Hospital boundary. Please assign to Matt or Dennis.



Attachments

- *No file attachments*

Noise Level Spot Check Report **Date:** 28/08/20

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 – Crane in operation, forklift moving materials, passing traffic. Unloading scaffold and steel trucks

Location 2 –Truck movements, excavator in operation, passing traffic.

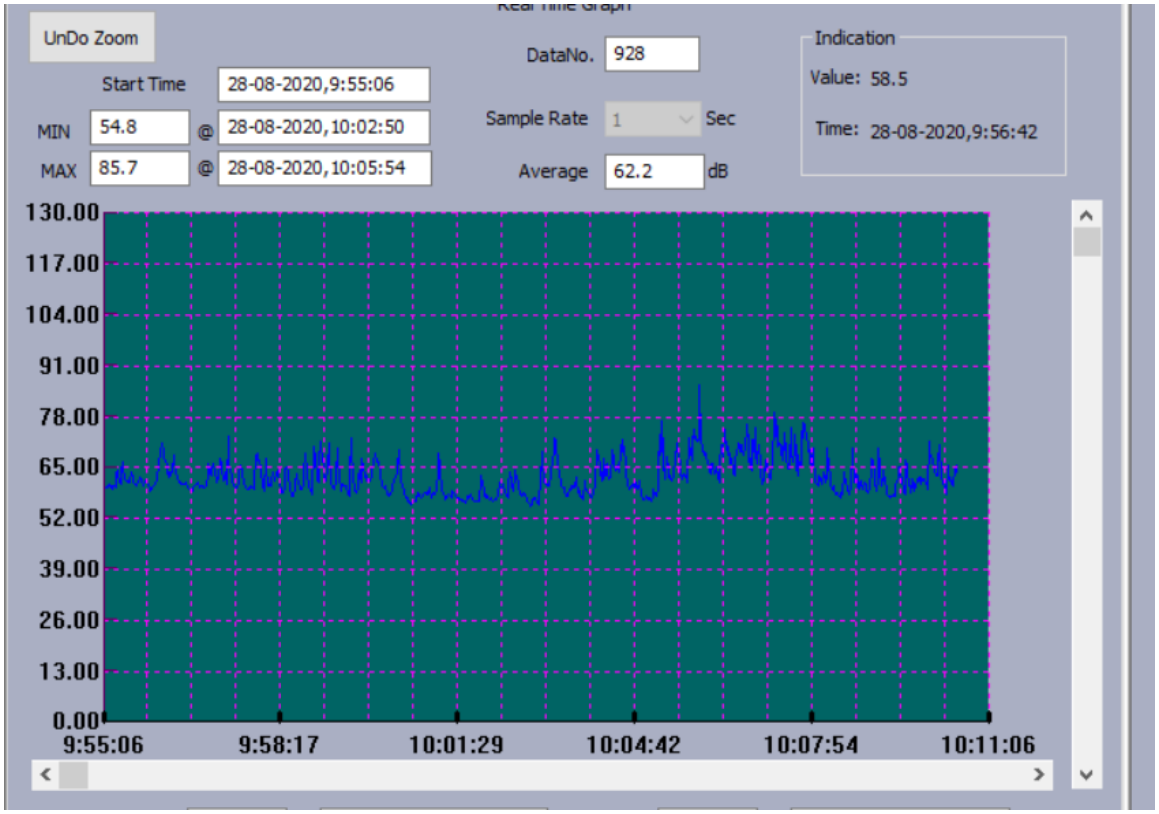
Location 3 – excavator in operation, in ground works.

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

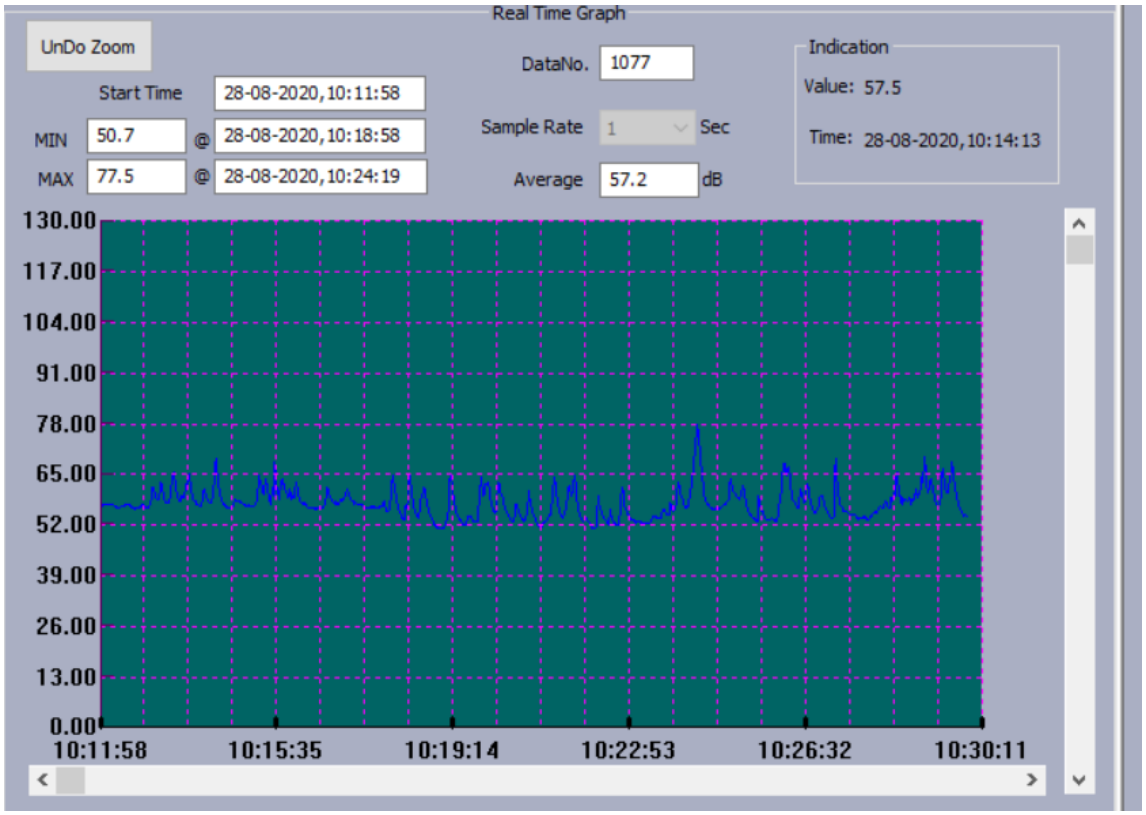
Is this monitoring being conducted as a result of a complaint? If yes, provide brief details: No

Results:

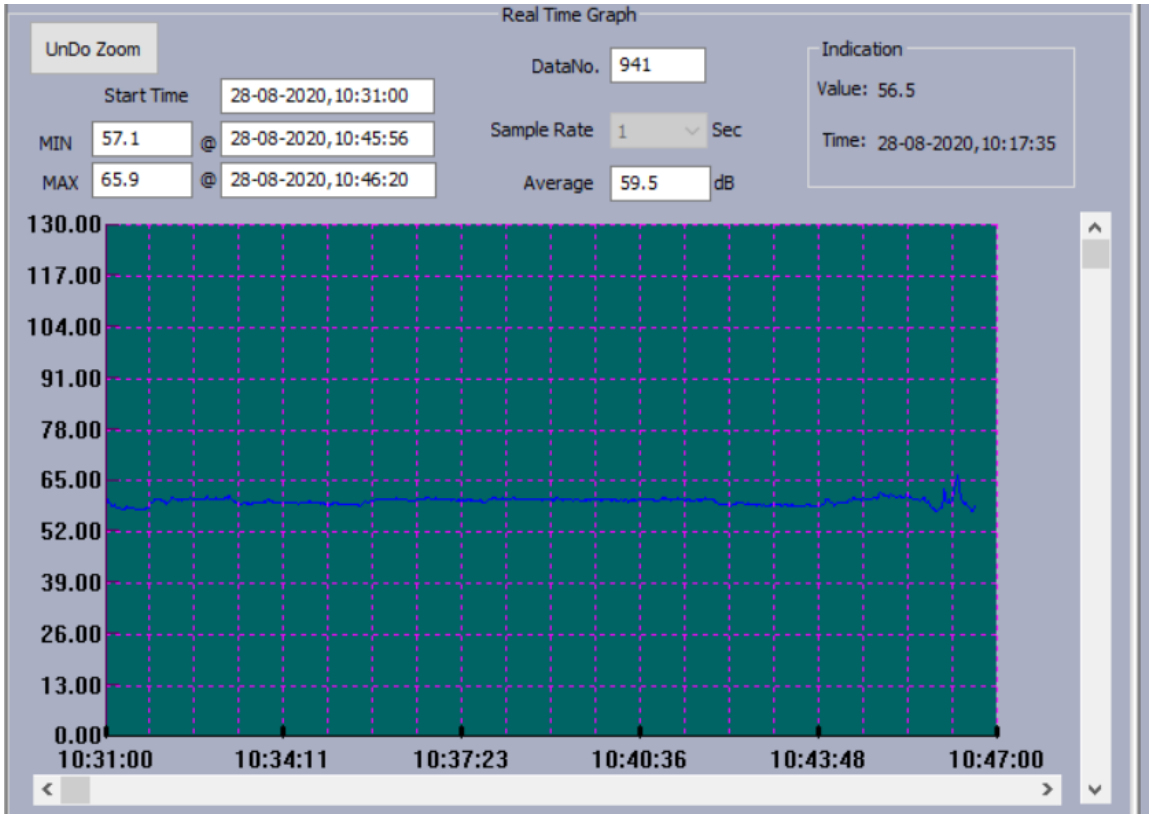
Location 1



Location 2



Location 3



Noise Assessment Report Summary:

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

(Attach Photos of Monitoring Locations)

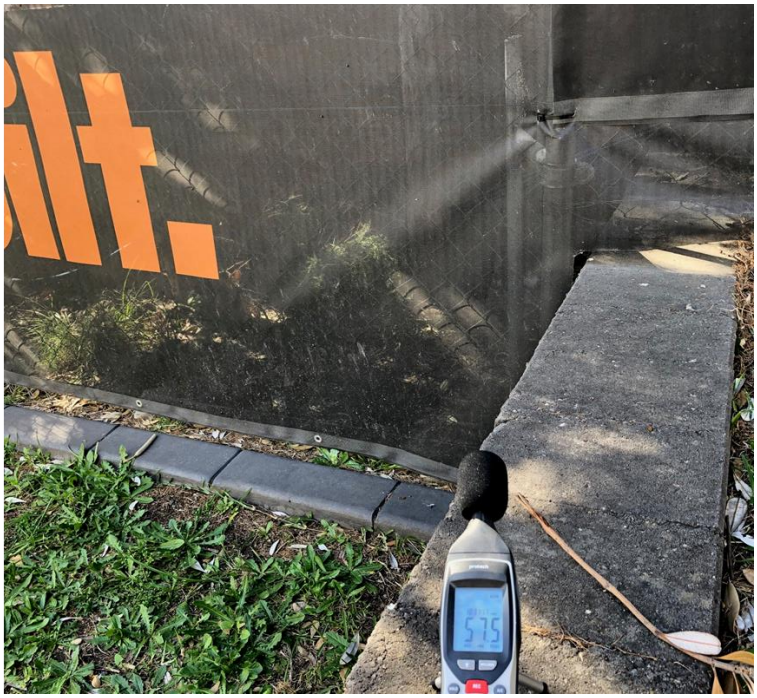
Location 1



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)

RAPT CONSULTING

Built

Construction Noise Monitoring – 9 Church Street Newcastle NSW August 2020

Relationships **A**ttention **P**rofessional **T**rust

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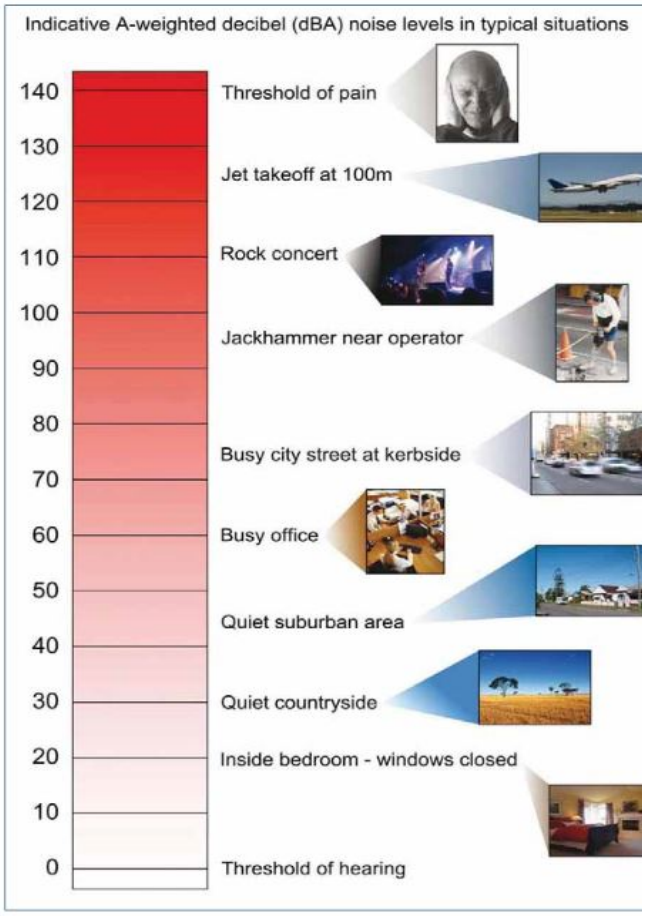
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Glossary of Acoustic Terms

Term	Definition
dB	Decibel is the unit used for expressing the sound pressure level (SPL) or power level (SWL) in acoustics. The picture below indicates typical noise levels from common noise sources. 
dB(A)	Frequency weighting filter used to measure 'A-weighted' sound pressure levels, which conforms approximately to the human ear response, as our hearing is less sensitive at very low and very high frequencies.
$L_{Aeq(period)}$	Equivalent sound pressure level: the steady sound level that, over a specified period of time, would produce the same energy equivalence as the fluctuating sound level actually occurring.
$L_{A10(period)}$	The sound pressure level that is exceeded for 10% of the measurement period.
$L_{A90(period)}$	The sound pressure level that is exceeded for 90% of the measurement period.
L_{Amax}	The maximum sound level recorded during the measurement period.

Noise sensitive receiver	◗ An area or place potentially affected by noise which includes: ◗ A residential dwelling. ◗ An educational institution, library, childcare centre or kindergarten. ◗ A hospital, surgery or other medical institution. ◗ An active (e.g. sports field, golf course) or passive (e.g. national park) recreational area. ◗ Commercial or industrial premises. ◗ A place of worship.
Rating Background Level (RBL)	The overall single-figure background level representing each assessment period (day/evening/night) over the whole monitoring period.
Feasible and Reasonable (Noise Policy for Industry Definition)	**Feasible** mitigation measure is a noise mitigation measure that can be engineered and is practical to build and/or implement, given project constraints such as safety, maintenance and reliability requirements. Selecting **Reasonable** measures from those that are feasible involves judging whether the overall noise benefits outweigh the overall adverse social, economic and environmental effects, including the cost of the mitigation measure. To make a judgement, consider the following: ◗ Noise impacts ◗ Noise mitigation benefits ◗ Cost effectiveness of noise mitigation ◗ Community views.
Sound power level (SWL)	The sound power level of a noise source is the sound energy emitted by the source. Notated as SWL, sound power levels are typically presented in dB(A).

1. Introduction

Background

RAPT Consulting has been engaged to undertake short term attended construction noise monitoring for Built as part of their project at Nihon University. Based on the information provided it is understood there is a requirement for noise and vibration monitoring to be undertaken during construction works of the Nihon University project located at 9 Church Street Newcastle. The site and surrounding area is provided in Figure 1.



Figure 1 Site Location and Surrounding Area

1.1 Limitations

The purpose of this report is to provide an independent noise assessment for the project.

It is not the intention of the assessment to cover every element of the acoustic environment, but rather to conduct the assessment with consideration to the prescribed work scope.

The findings of the noise assessment represent the findings apparent at the date and time of the assessment undertaken. It is the nature of environmental assessments that all variations in environmental conditions cannot be assessed and all uncertainty concerning the conditions of the ambient environment cannot be eliminated. Professional judgement must be exercised in the investigation and interpretation of observations.

In conducting this assessment and preparing the report, current guidelines for noise were referred to. This work has been conducted in good faith with RAPT Consulting's understanding of the client's brief and the generally accepted consulting practice.

No other warranty, expressed or implied, is made as to the information and professional advice included in this report. It is not intended for other parties or other uses.

2. Noise and Vibration Criteria

2.1 Construction Noise

Construction noise is assessed with consideration to DECCW *Interim Construction Noise Guidelines* (ICNG) (July 2009). The INCG is a non-mandatory guideline that is usually referred to by local councils and other NSW government entities when construction / demolition works require development approval. The ICNG recommend standard hours for construction activity as detailed in Table 1.

Table 1 ICNG Recommended Construction Hours

Work type	Recommended standard hours of work
Normal construction	Monday to Friday: 7 am to 6 pm. Saturday: 8 am to 1 pm. No work on Sundays or Public Holidays.
Blasting	Monday to Friday: 9 am to 5 pm. Saturday: 9 am to 1 pm. No work on Sundays or Public Holidays.

The ICNG provides noise management levels for construction noise at residential and other potentially sensitive receivers. These management levels are to be calculated based on the adopted rating background level (RBL) at nearby locations, as shown in Table 2.

Table 2 ICNG Recommended Noise Management Levels

Period	Management Level $L_{Aeq(15\ min)}$
Residential Recommended standard hours	Noise affected level: RBL + 10 Highly noise affected level: 75 dB(A)
Residential Outside recommended standard hours	Noise affected level: RBL + 5
Classrooms at schools and other educational institutions	Internal Noise Level 45 dB(A) (applies when properties are being used)
Offices, retail outlets (external)	70 dB(A)
industrial premises (external)	75 dB(A)

The above levels apply at the boundary of the most affected residences / offices or within 30 m from the residence where the property boundary is more than 30 m from the residence.

The *noise affected level* represents the point above which there may be some community reaction to noise. Where the *noise affected level* is exceeded all feasible and reasonable work practices to minimise noise should be applied and all potentially impacted residents should be informed of the nature of the works, expected noise levels, duration of works and a method of contact. The *noise affected level* is the background noise level plus 10 dB(A)

during recommended standard hours and the background noise level plus 5 dB(A) outside of recommended standard hours.

The *highly noise affected level* represents the point above which there may be strong community reaction to noise and is set at 75 dB(A). Where noise is above this level, the relevant authority may require respite periods by restricting the hours when the subject noisy activities can occur, considering:

- Times identified by the community when they are less sensitive to noise (such as mid-morning or mid-afternoon for works near residences).
- If the community is prepared to accept a longer period of construction in exchange for restrictions on construction times.

Construction noise trigger levels for the project were established by EMM and are found in their document *Noise and Vibration Assessment – Operational and Construction Nihon University – Newcastle Campus. May 2019, Report # H190015 RP#1.* Based on the above and the RBL determined from site monitoring, construction noise trigger levels have been derived, as shown in Table 3.

Table 3 ICNG Noise Goals Leq(15min) dB(A)

Receiver	Standard Hours
	Daytime (7am-6pm)
Residential (external)	59
Offices, retail outlets (external)	70
industrial premises (external)	75
Classrooms (when in use)	45/55 (internal/external)
Hospital Wards and Operating Theatres (when in use)	45/55 (internal/external)
Places of Worship (when in use)	45/55 (internal/external)

3. Construction Noise Monitoring

Attended noise monitoring was undertaken on 04 August 2020 at 36 and 26 Church Street at the request of Built as active construction work was taking place on the eastern and western end of the site including earthmoving equipment being loaded onto transports at the northern end of site. These sites are consistent with being nearest residences to the works. Built additionally requested attended monitoring be undertaken at the James Fletcher Hospital. The monitoring locations are provided in figures 2, 3 and 4.



Figure 2 Noise monitoring Location 36 Church Street



Figure 3 Noise Monitoring 26 Church Street



Figure 4 Noise Monitoring James Fletcher Hospital

During site visits it was noted that construction activities including earthmoving noise sources primarily described the ambient noise environment. Additionally, road traffic was perceptible and a component of the ambient noise environment.

The monitoring was conducted using a RION NL-42 type 2 integrated noise logger within calibration. These units are capable of measuring continuous sound pressure levels and are able to record LAmin, LA90, LA10, LA1, LAmax and LAeq noise descriptors. The measurements were undertaken with consideration to AS 1055-1997, "Acoustics – Description and Measurement of Environmental Noise." The acoustic instrumentation employed during the monitoring complies with the requirements of AS 1259.2 – 1990, "Sound Level Metres" and is within current calibration. Calibration was checked prior to and at the conclusion of the measurements with no significant drift.

Weather conditions were fine 16 degrees with wind speeds < 5 m/s.

Logged data was reviewed and filtered to exclude any extraneous data results during the monitoring period. The noise monitoring results are provided in Table 4.

Table 3 Noise Monitoring Results

Location	Lmax dB(A)	L1 dB(A)	L10 dB(A)	L90 dB(A)	Lmin dB(A)	Leq (dB(A)	Time Interval
36 Church Street	84	72	67	55	53	64	10:25 – 10:40
26 Church Street	79	74	63	55	53	62	10:50 – 11:05
James Fletcher Hospital	72	66	62	54	52	59	11:15 – 11:40

Observations:

- Car Passby 60-64 dB(A)
- Excavation Works 68 – 70 dB(A)
- Semi-Truck 62 – 64 dB(A)
- Loading Backhoe 70 – 74 dB(A)
- Delivery Truck 60 – 66 dB(A)
- Reverse Beacon 60 – 61 dB(A)
- Air Brakes 71 dB(A)

A general description of NML exceedance groups are provided below. The impact of these potential exceedances depends on the period in which they were to occur (generally night-time is more sensitive than daytime or evening for most people).

- Noise levels 1 – 10 dB(A) above NML – Impact generally marginal to minor
- Noise Levels 11 – 20 dB(A) above NML – Impact generally moderate
- Noise Levels > 20 dB(A) above NML – Impact generally high

Attended noise measurements indicated construction noise trigger levels were exceeded at all measured locations however by less than 5 dB(A) at all locations. Additionally the noise measurements at these locations were well below the highly noise affected noise trigger level of 75 dB(A).

4. Conclusion

RAPT Consulting has undertaken standard hours construction noise monitoring for Built. The purpose of the monitoring was to measure while standard hours construction activities were taking place and compare against established project specific standard hours project noise trigger levels.

Should you have any further questions regarding this report, please do not hesitate to contact Greg Collins on 0488512224 or greg@raptconsulting.com.au.

Thank you,



Greg Collins

Director – RAPT Consulting

5. Appendix A Calibration Certificates



Acoustic Research Labs Pty Ltd
Unit 36/14 Loyalty Rd
North Rocks NSW AUSTRALIA 2151
Ph: +61 2 9484 0800 A.B.N. 65 160 399 119
www.acousticresearch.com.au

Sound Level Meter
IEC 61672-3:2013
Calibration Certificate
Calibration Number C19507

Client Details	Rapt Consulting 106/10 Kendrick Street The Junction NSW 2291
Equipment Tested/ Model Number :	Rion NL-42EX
Instrument Serial Number :	00572567
Microphone Serial Number :	170404
Pre-amplifier Serial Number :	72905

Pre-Test Atmospheric Conditions		**Post-Test Atmospheric Conditions**	
Ambient Temperature :	24.4°C	**Ambient Temperature :**	24.6°C
Relative Humidity :	31.3%	**Relative Humidity :**	36%
Barometric Pressure :	101.55kPa	**Barometric Pressure :**	100.4kPa

Calibration Technician : Lucky Jaiswal
Calibration Date : 21 Aug 2019
Secondary Check: James Jepsen
Report Issue Date : 23 Aug 2019
Approved Signatory : Ken Williams

Clause and Characteristic Tested	Result	Clause and Characteristic Tested	Result
12: Acoustical Sig. tests of a frequency weighting	Pass	17: Level linearity incl. the level range control	Pass
13: Electrical Sig. tests of frequency weightings	Pass	18: Toneburst response	Pass
14: Frequency and time weightings at 1 kHz	Pass	19: C Weighted Peak Sound Level	Pass
15: Long Term Stability	Pass	20: Overload Indication	Pass
16: Level linearity on the reference level range	Pass	21: High Level Stability	Pass

The sound level meter submitted for testing has successfully completed the class 2 periodic tests of IEC 61672-3 2013, for the environmental conditions under which the tests were performed.

However, no general statement or conclusion can be made about conformance of the sound level meter to the full requirements of IEC 61672-1:2013 because evidence was not publicly available, from an independent testing organisation responsible for pattern approvals, to demonstrate that the model of sound level meter fully conformed to the requirements in IEC 61672-1:2013 and because the periodic tests of IEC 61672-3:2013 cover only a limited subset of the specifications in IEC 61672-1:2013.

Least Uncertainties of Measurement -

Acoustic Tests		Environmental Conditions	
31.5 Hz to 8kHz:	*±0.18dB*	*Temperature*	*±0.2°C*
12.5kHz:	*±0.19dB*	*Relative Humidity*	*±2.4%*
16kHz:	*±0.29dB*	*Barometric Pressure*	*±0.015kPa*
Electrical Tests			
31.5 Hz to 20 kHz:	*±0.11dB*		

All uncertainties are derived at the 95% confidence level with a coverage factor of 2.

This calibration certificate is to be read in conjunction with the calibration test report.

Acoustic Research Labs Pty Ltd is NATA Accredited Laboratory Number 14172.
Accredited for compliance with ISO/IEC 17025 - calibration.

The results of the tests, calibrations and/or measurements included in this document are traceable to Australian/national standards.

NATA is a signatory to the ILAC Mutual Recognition Arrangement for the mutual recognition of the equivalence of testing, medical testing, calibration and inspection reports.

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Acoustic Research Labs Pty Ltd
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Sound Calibrator
IEC 60942-2017

Calibration Certificate

Calibration Number C19509

Client Details Rapt Consulting
106/10 Kendrick Street
The Junction NSW 2291

Equipment Tested/ Model Number : Pulsar Model 106
Instrument Serial Number : 79635

Atmospheric Conditions
Ambient Temperature : 24.6°C
Relative Humidity : 35.7%
Barometric Pressure : 100.38kPa

Calibration Technician : Lucky Jaiswal
Calibration Date : 21 Aug 2019
Secondary Check: James Jepsen
Report Issue Date : 23 Aug 2019
Approved Signatory : Ken Williams

Characteristic Tested	Result
Generated Sound Pressure Level	Pass
Frequency Generated	Pass
Total Distortion	Pass

	Nominal Level	Nominal Frequency	Measured Level	Measured Frequency
Measured Output	94.0	1000.0	93.8	1000.38

The sound calibrator has been shown to conform to the class 2 requirements for periodic testing, described in Annex B of IEC 60942:2017 for the sound pressure level(s) and frequency(ies) stated, for the environmental conditions under which the tests were performed.

Least Uncertainties of Measurement -

Specific Tests		Environmental Conditions	
Generated SPL	*±0.14dB*	*Temperature*	*±0.2°C*
Frequency	*±0.01%*	*Relative Humidity*	*±2.4%*
Distortion	*±0.48%*	*Barometric Pressure*	*±0.015kPa*

All uncertainties are derived at the 95% confidence level with a coverage factor of 2.

* The tests <1000 kHz are not covered by Acoustic Research Labs Pty Ltd NATA accreditation.

This calibration certificate is to be read in conjunction with the calibration test report.

Acoustic Research Labs Pty Ltd is NATA Accredited Laboratory Number 14172.
Accredited for compliance with ISO/IEC 17025 - calibration.

The results of the tests, calibrations and/or measurements included in this document are traceable to Australian/national standards.

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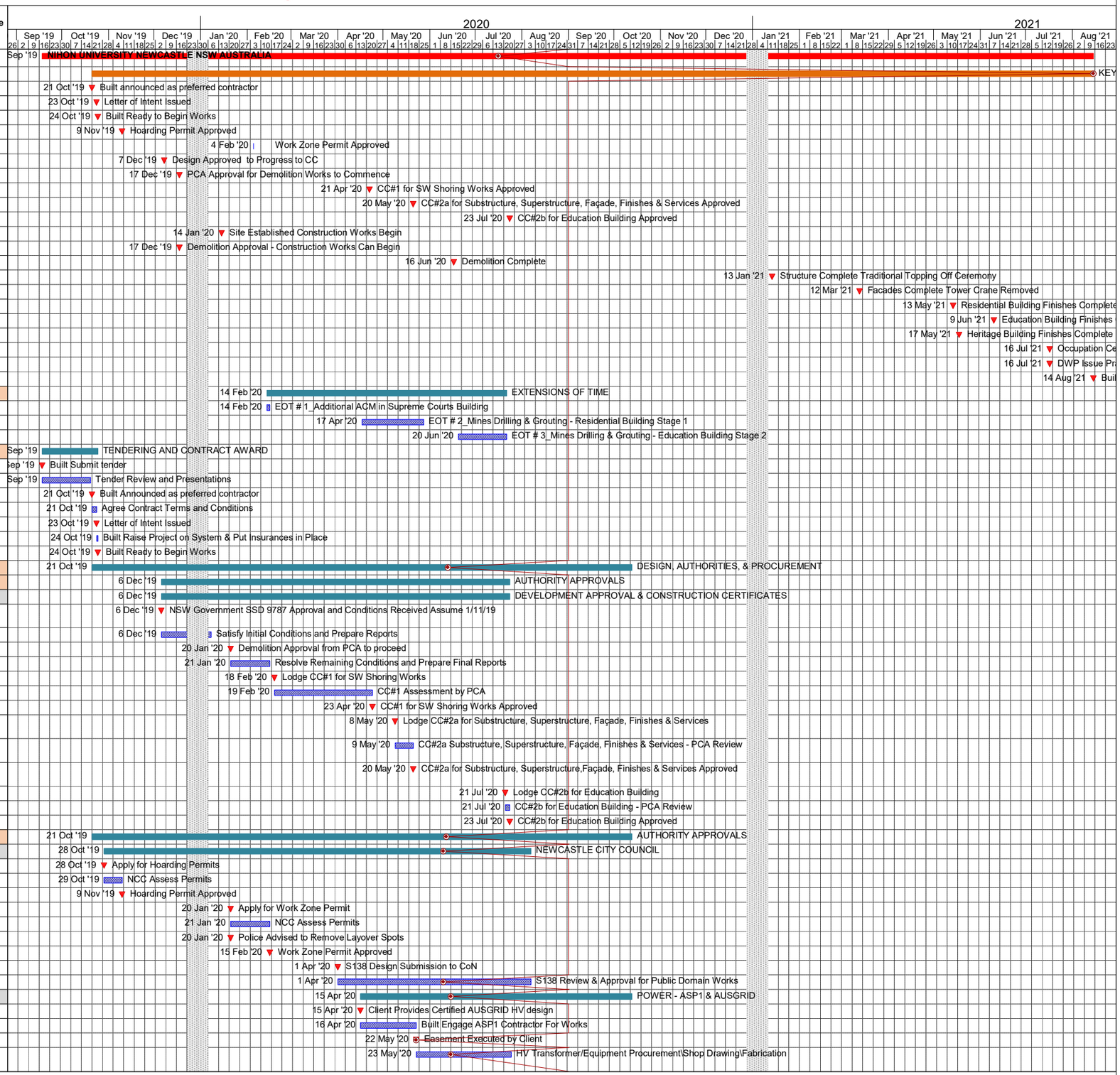
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Appendix D – Statused Contract Programme

Prepared By: RMc
Checked:
Revision : Rev 7 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**	**43%**
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*	*Wed 13/01/21*	*Wed 13/01/21*	*0%*
16	*Facades Complete Tower Crane Removed*	*0 d*	*Fri 12/03/21*	*Fri 12/03/21*	*0%*
17	*Residential Building Finishes Complete*	*0 d*	*Thu 13/05/21*	*Thu 13/05/21*	*0%*
18	*Education Building Finishes Complete*	*0 d*	*Wed 9/06/21*	*Wed 9/06/21*	*0%*
19	*Heritage Building Finishes Complete*	*0 d*	*Mon 17/05/21*	*Mon 17/05/21*	*0%*
20	*Occupation Certificate Issued*	*0 d*	*Fri 16/07/21*	*Fri 16/07/21*	*0%*
21	*DWP Issue Practical Completion*	*0 d*	*Fri 16/07/21*	*Fri 16/07/21*	*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%**
24	EOT # 1_Additional ACM in Supreme Courts Building	2 d	Fri 14/02/20	Sat 15/02/20	100%
25	EOT # 2_Mines Drilling & Grouting - Residential Building Stage 1	33 d	Fri 17/04/20	Wed 27/05/20	100%
26	EOT # 3_Mines Drilling & Grouting - Education Building Stage 2	27 d	Sat 20/06/20	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**	**273 d**	**Mon 21/10/19**	**Mon 12/10/20**	**90%**
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**	**273 d**	**Mon 21/10/19**	**Mon 12/10/20**	**77%**
52	**NEWCASTLE CITY COUNCIL**	**212 d**	**Mon 28/10/19**	**Thu 6/08/20**	**62%**
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	100 d	Wed 1/04/20	Thu 6/08/20	50%
62	**POWER - ASP1 & AUSGRID**	**145 d**	**Wed 15/04/20**	**Mon 12/10/20**	**43%**
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	30 d	Thu 16/04/20	Fri 22/05/20	100%
65	*Easement Executed by Client*	*0 d*	*Fri 22/05/20*	*Fri 22/05/20*	*0%*
66	HV Transformer/Equipment Procurement\Shop Drawing\Fabrication	10 wks	Sat 23/05/20	Fri 24/07/20	30%

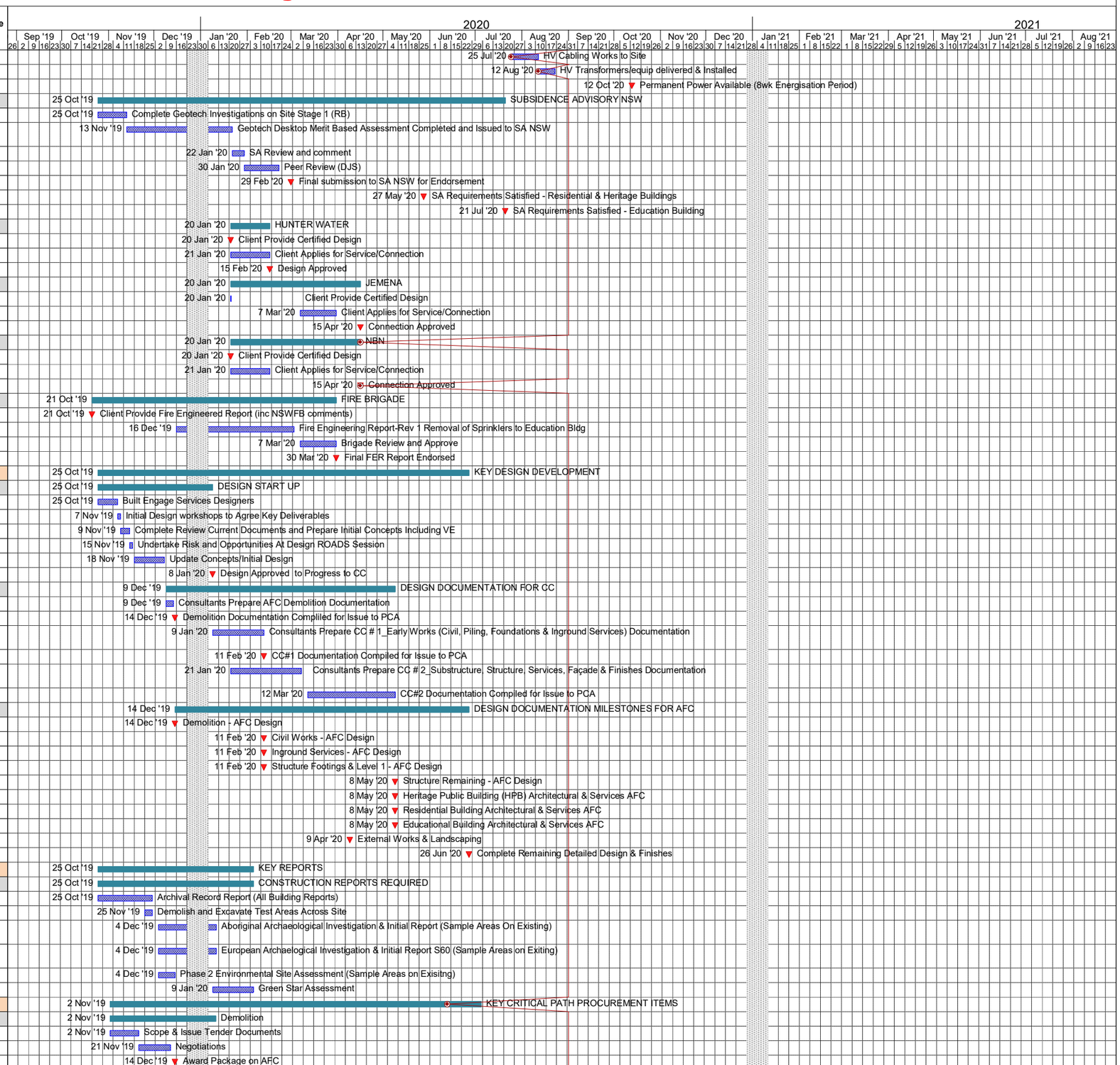


Critical Task | Non-critical | Milestone | Project Summary | Summary

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Built NIHON UNIVERSITY
9 CHURCH STREET NEWCASTLE 2300
Contract Programme

ID	Task Name	Dur	Start	Finish	% Complete
67	HV Cabling Works to Site	15 d	Sat 25/07/20	Tue 11/08/20	0%
68	HV Transformers/equip delivered & Installed	10 d	Wed 12/08/20	Sat 22/08/20	0%
69	Permanent Power Available (8wk Energisation Period)	0 d	Mon 12/10/20	Mon 12/10/20	*0%*
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**	**67 d**	**Mon 20/01/20**	**Wed 15/04/20**	**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*	*Wed 15/04/20*	*Wed 15/04/20*	*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**	**95%**
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%*



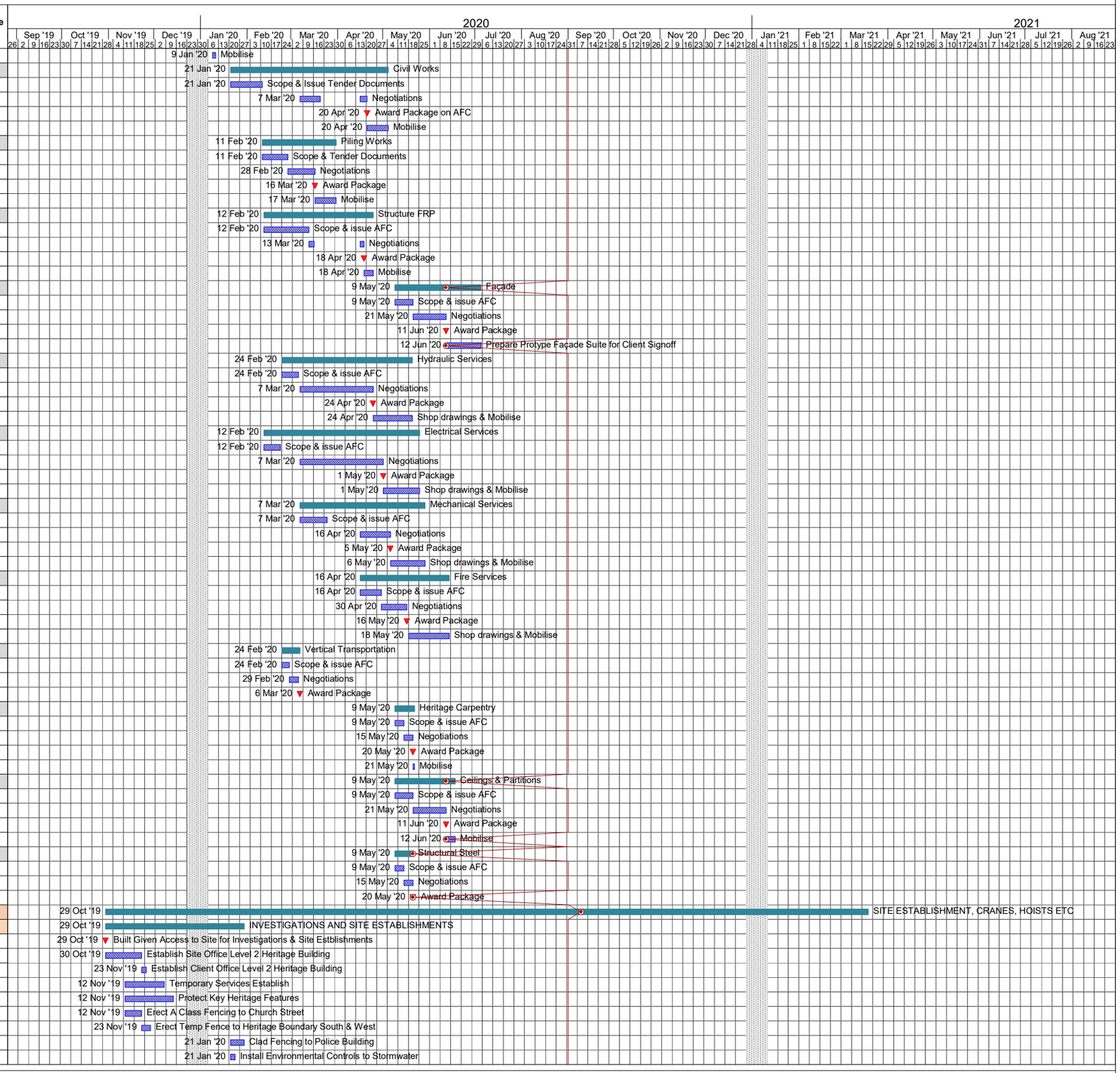
Critical Task — Non-critical — Milestone — Project Summary — Summary

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Contract Programme

Built.

ID	Task Name	Dur	Start	Finish	% Complete
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%
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**	**56%**
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	0%
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**	**83%**
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	0%
189	**Structural Steel**	**10 d**	**Sat 9/05/20**	**Wed 20/05/20**	**99%**
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*	*0%*
193	**SITE ESTABLISHMENT, CRANES, HOISTS ETC**	**378 d**	**Tue 29/10/19**	**Thu 18/03/21**	**62%**
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%

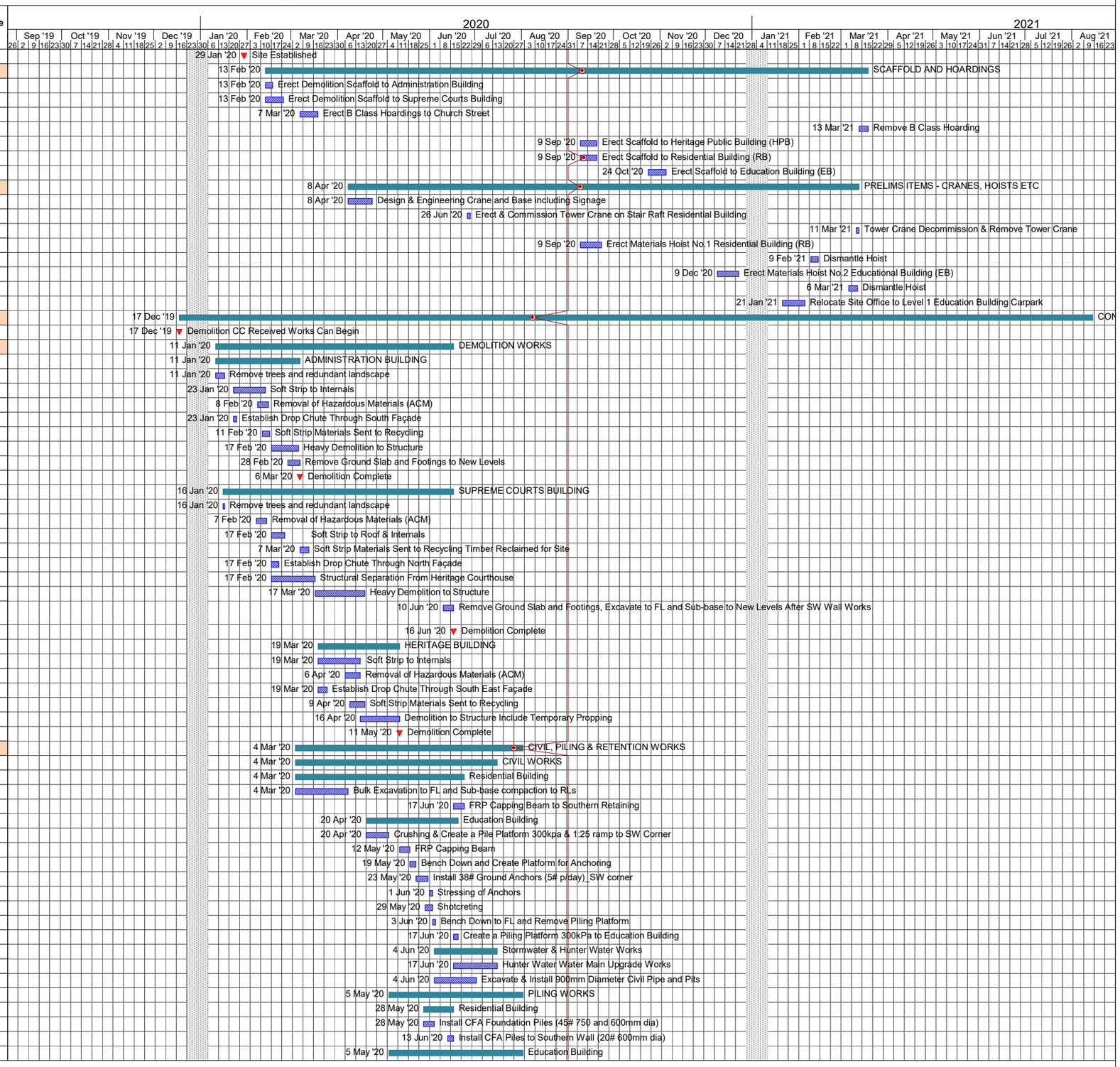


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ID	Task Name	Dur	Start	Finish	% Complete
204	Site Established	0 d	Wed 29/01/20	Wed 29/01/20	*100%*
205	**SCAFFOLD AND HOARDINGS**	**308 d**	**Thu 13/02/20**	**Thu 18/03/21**	**45%**
206	Erect Demolition Scaffold to Administration Building	4 d	Thu 13/02/20	Mon 17/02/20	100%
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	Sat 13/03/21	Thu 18/03/21	0%
210	Erect Scaffold to Heritage Public Building (HPB)	10 d	Wed 9/09/20	Sat 19/09/20	0%
211	Erect Scaffold to Residential Building (RB)	10 d	Wed 9/09/20	Sat 19/09/20	25%
212	Erect Scaffold to Education Building (EB)	10 d	Sat 24/10/20	Wed 4/11/20	0%
213	**PRELIMS ITEMS - CRANES, HOISTS ETC**	**256 d**	**Wed 8/04/20**	**Fri 12/03/21**	**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	Thu 11/03/21	Fri 12/03/21	0%
217	Erect Materials Hoist No.1 Residential Building (RB)	12 d	Wed 9/09/20	Tue 22/09/20	0%
218	Dismantle Hoist	5 d	Tue 9/02/21	Sat 13/02/21	0%
219	Erect Materials Hoist No.2 Educational Building (EB)	12 d	Wed 9/12/20	Tue 22/12/20	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	Thu 21/01/21	Thu 4/02/21	0%
222	**CONSTRUCTION WORKS**	**458 d**	**Tue 17/12/19**	**Sat 14/08/21**	**19%**
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**	**96%**
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%**

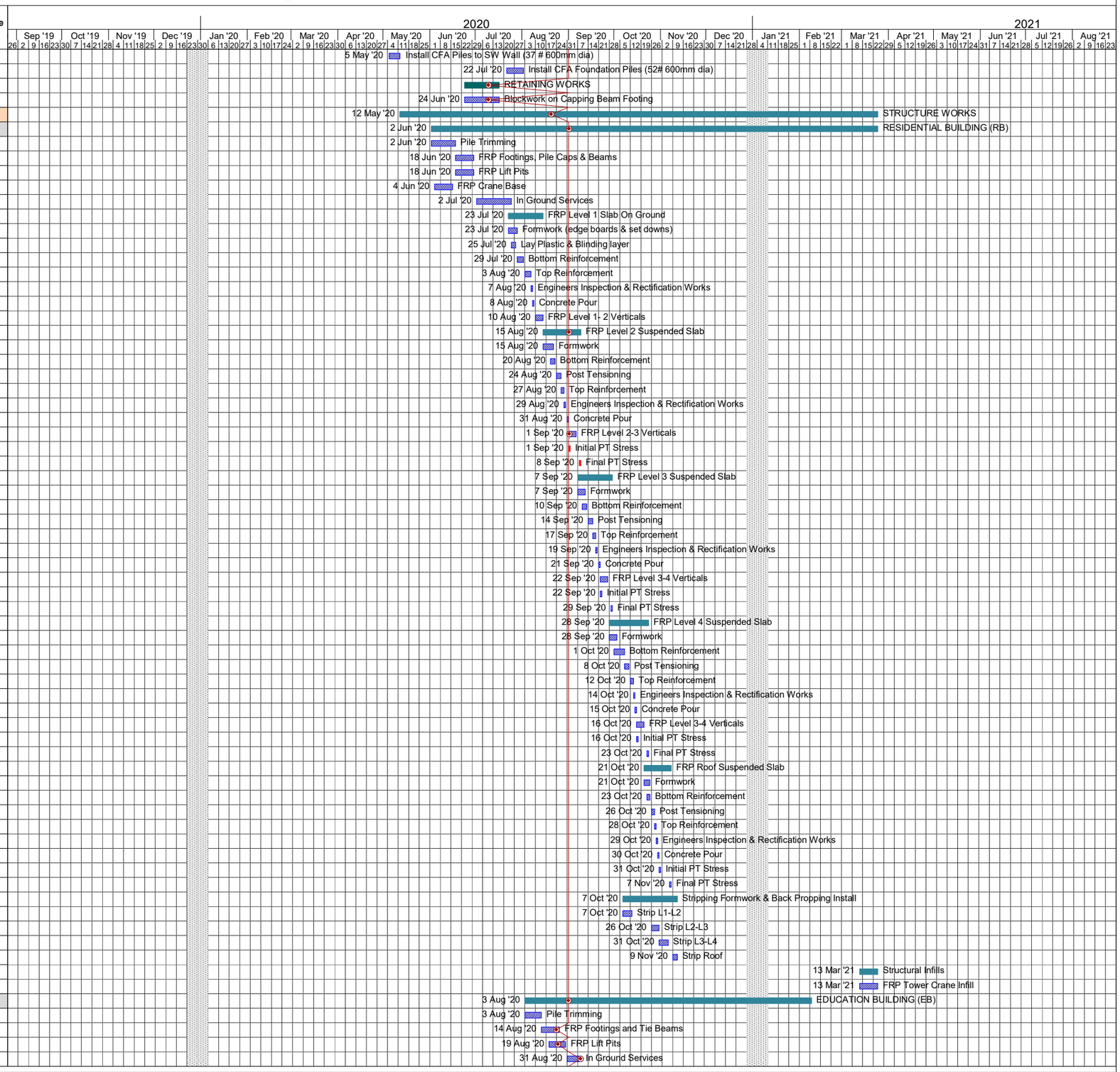


Critical Task — Non-critical — Milestone — Project Summary — Summary

Prepared By: RMc
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9 CHURCH STREET NEWCASTLE 2300
Contract Programme

ID	Task Name	Dur	Start	Finish	% Complete
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**	**70%**
276	Blockwork on Capping Beam Footing	20 d	Wed 24/06/20	Thu 16/07/20	70%
277	**STRUCTURE WORKS**	**243 d**	**Tue 12/05/20**	**Wed 24/03/21**	**38%**
278	**RESIDENTIAL BUILDING (RB)**	**225 d**	**Tue 2/06/20**	**Wed 24/03/21**	**51%**
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**	**21 d**	**Sat 15/08/20**	**Tue 8/09/20**	**72%**
293	Formwork	6 d	Sat 15/08/20	Fri 21/08/20	100%
294	Bottom Reinforcement	3 d	Thu 20/08/20	Sat 22/08/20	100%
295	Post Tensioning	3 d	Mon 24/08/20	Wed 26/08/20	100%
296	Top Reinforcement	2 d	Thu 27/08/20	Fri 28/08/20	100%
297	Engineers Inspection & Rectification Works	1 d	Sat 29/08/20	Sat 29/08/20	100%
298	Concrete Pour	1 d	Mon 31/08/20	Mon 31/08/20	100%
299	FRP Level 2-3 Verticals	5 d	Tue 1/09/20	Sat 5/09/20	10%
300	Initial PT Stress	1 d	Tue 1/09/20	Tue 1/09/20	0%
301	Final PT Stress	1 d	Tue 8/09/20	Tue 8/09/20	0%
302	**FRP Level 3 Suspended Slab**	**20 d**	**Mon 7/09/20**	**Tue 29/09/20**	**0%**
303	Formwork	5 d	Mon 7/09/20	Fri 11/09/20	0%
304	Bottom Reinforcement	3 d	Thu 10/09/20	Sat 12/09/20	0%
305	Post Tensioning	3 d	Mon 14/09/20	Wed 16/09/20	0%
306	Top Reinforcement	2 d	Thu 17/09/20	Fri 18/09/20	0%
307	Engineers Inspection & Rectification Works	1 d	Sat 19/09/20	Sat 19/09/20	0%
308	Concrete Pour	1 d	Mon 21/09/20	Mon 21/09/20	0%
309	FRP Level 3-4 Verticals	5 d	Tue 22/09/20	Sat 26/09/20	0%
310	Initial PT Stress	1 d	Tue 22/09/20	Tue 22/09/20	0%
311	Final PT Stress	1 d	Tue 29/09/20	Tue 29/09/20	0%
312	**FRP Level 4 Suspended Slab**	**20 d**	**Mon 28/09/20**	**Fri 23/10/20**	**0%**
313	Formwork	5 d	Mon 28/09/20	Fri 2/10/20	0%
314	Bottom Reinforcement	3 d	Thu 1/10/20	Wed 7/10/20	0%
315	Post Tensioning	3 d	Thu 8/10/20	Sat 10/10/20	0%
316	Top Reinforcement	2 d	Mon 12/10/20	Tue 13/10/20	0%
317	Engineers Inspection & Rectification Works	1 d	Wed 14/10/20	Wed 14/10/20	0%
318	Concrete Pour	1 d	Thu 15/10/20	Thu 15/10/20	0%
319	FRP Level 3-4 Verticals	4 d	Fri 16/10/20	Tue 20/10/20	0%
320	Initial PT Stress	1 d	Fri 16/10/20	Fri 16/10/20	0%
321	Final PT Stress	1 d	Fri 23/10/20	Fri 23/10/20	0%
322	**FRP Roof Suspended Slab**	**16 d**	**Wed 21/10/20**	**Sat 7/11/20**	**0%**
323	Formwork	4 d	Wed 21/10/20	Sat 24/10/20	0%
324	Bottom Reinforcement	2 d	Fri 23/10/20	Sat 24/10/20	0%
325	Post Tensioning	2 d	Mon 26/10/20	Tue 27/10/20	0%
326	Top Reinforcement	1 d	Wed 28/10/20	Wed 28/10/20	0%
327	Engineers Inspection & Rectification Works	1 d	Thu 29/10/20	Thu 29/10/20	0%
328	Concrete Pour	1 d	Fri 30/10/20	Fri 30/10/20	0%
329	Initial PT Stress	1 d	Sat 31/10/20	Sat 31/10/20	0%
330	Final PT Stress	1 d	Sat 7/11/20	Sat 7/11/20	0%
331	**Stripping Formwork & Back Propping Install**	**31 d**	**Wed 7/10/20**	**Wed 11/11/20**	**0%**
332	Strip L1-L2	5 d	Wed 7/10/20	Mon 12/10/20	0%
333	Strip L2-L3	5 d	Mon 26/10/20	Fri 30/10/20	0%
334	Strip L3-L4	5 d	Sat 31/10/20	Thu 5/11/20	0%
335	Strip Roof	3 d	Mon 9/11/20	Wed 11/11/20	0%
336	**Structural Infills**	**10 d**	**Sat 13/03/21**	**Wed 24/03/21**	**0%**
337	FRP Tower Crane Infill	10 d	Sat 13/03/21	Wed 24/03/21	0%
338	**EDUCATION BUILDING (EB)**	**138 d**	**Mon 3/08/20**	**Mon 8/02/21**	**20%**
339	Pile Trimming	10 d	Mon 3/08/20	Thu 13/08/20	100%
340	FRP Footings and Tie Beams	10 d	Fri 14/08/20	Tue 25/08/20	80%
341	FRP Lift Pits	10 d	Wed 19/08/20	Sat 29/08/20	50%
342	In Ground Services	8 d	Mon 31/08/20	Tue 8/09/20	100%

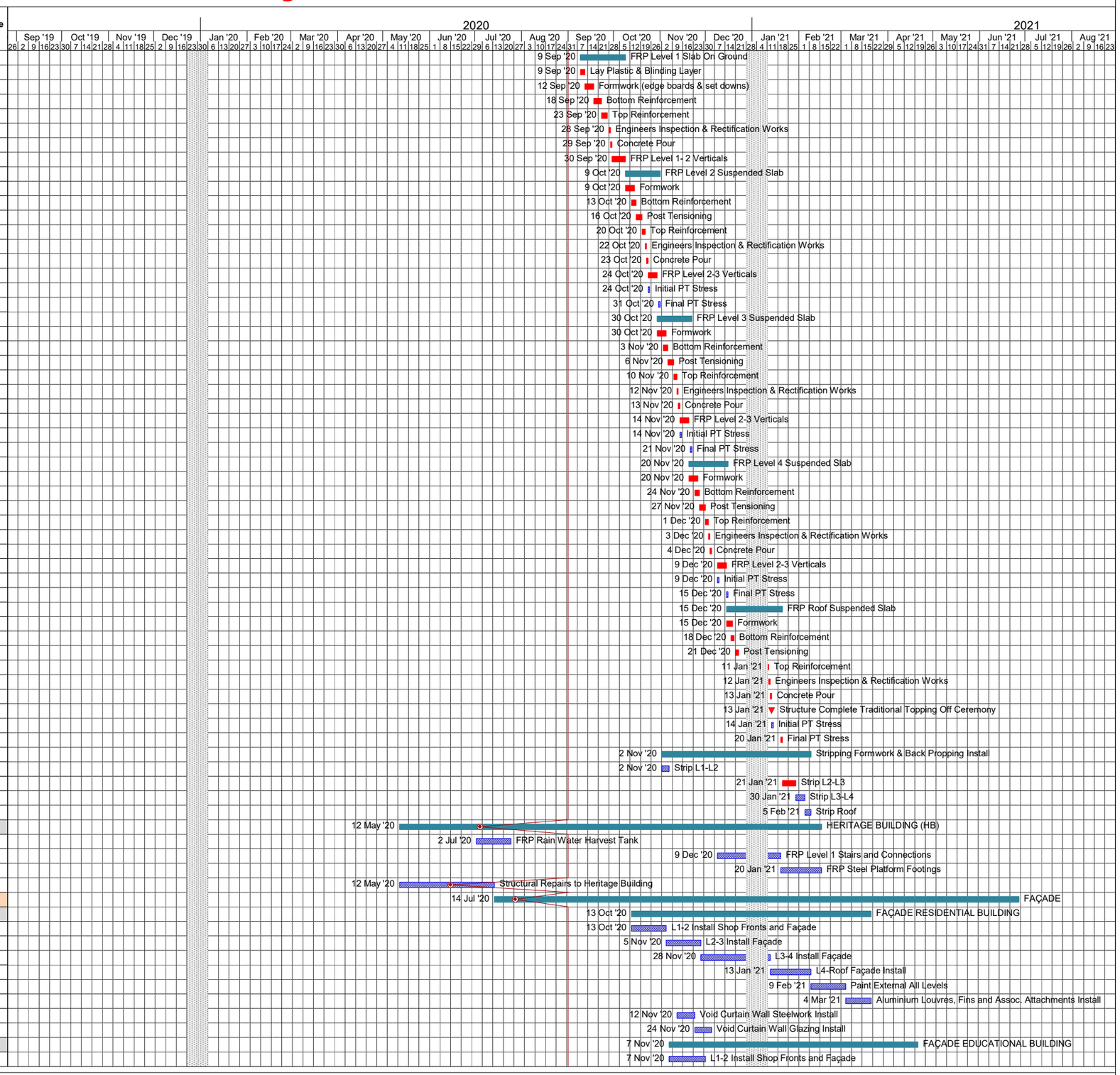


Critical Task | Non-critical | Milestone | Project Summary | Summary

Prepared By: RMc
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9 CHURCH STREET NEWCASTLE 2300
Contract Programme

ID	Task Name	Dur	Start	Finish	% Complete
343	**FRP Level 1 Slab On Ground**	**23 d**	**Wed 9/09/20**	**Thu 8/10/20**	**0%**
344	Lay Plastic & Blinding Layer	3 d	Wed 9/09/20	Fri 11/09/20	0%
345	Formwork (edge boards & set downs)	5 d	Sat 12/09/20	Thu 17/09/20	0%
346	Bottom Reinforcement	4 d	Fri 18/09/20	Tue 22/09/20	0%
347	Top Reinforcement	4 d	Wed 23/09/20	Sat 26/09/20	0%
348	Engineers Inspection & Rectification Works	1 d	Mon 28/09/20	Mon 28/09/20	0%
349	Concrete Pour	1 d	Tue 29/09/20	Tue 29/09/20	0%
350	FRP Level 1- 2 Verticals	5 d	Wed 30/09/20	Thu 8/10/20	0%
351	**FRP Level 2 Suspended Slab**	**20 d**	**Fri 9/10/20**	**Sat 31/10/20**	**0%**
352	Formwork	5 d	Fri 9/10/20	Wed 14/10/20	0%
353	Bottom Reinforcement	3 d	Tue 13/10/20	Thu 15/10/20	0%
354	Post Tensioning	3 d	Fri 16/10/20	Mon 19/10/20	0%
355	Top Reinforcement	2 d	Tue 20/10/20	Wed 21/10/20	0%
356	Engineers Inspection & Rectification Works	1 d	Thu 22/10/20	Thu 22/10/20	0%
357	Concrete Pour	1 d	Fri 23/10/20	Fri 23/10/20	0%
358	FRP Level 2-3 Verticals	5 d	Sat 24/10/20	Thu 29/10/20	0%
359	Initial PT Stress	1 d	Sat 24/10/20	Sat 24/10/20	0%
360	Final PT Stress	1 d	Sat 31/10/20	Sat 31/10/20	0%
361	**FRP Level 3 Suspended Slab**	**20 d**	**Fri 30/10/20**	**Sat 21/11/20**	**0%**
362	Formwork	5 d	Fri 30/10/20	Wed 4/11/20	0%
363	Bottom Reinforcement	3 d	Tue 3/11/20	Thu 5/11/20	0%
364	Post Tensioning	3 d	Fri 6/11/20	Mon 9/11/20	0%
365	Top Reinforcement	2 d	Tue 10/11/20	Wed 11/11/20	0%
366	Engineers Inspection & Rectification Works	1 d	Thu 12/11/20	Thu 12/11/20	0%
367	Concrete Pour	1 d	Fri 13/11/20	Fri 13/11/20	0%
368	FRP Level 2-3 Verticals	5 d	Sat 14/11/20	Thu 19/11/20	0%
369	Initial PT Stress	1 d	Sat 14/11/20	Sat 14/11/20	0%
370	Final PT Stress	1 d	Sat 21/11/20	Sat 21/11/20	0%
371	**FRP Level 4 Suspended Slab**	**19 d**	**Fri 20/11/20**	**Tue 15/12/20**	**0%**
372	Formwork	5 d	Fri 20/11/20	Wed 25/11/20	0%
373	Bottom Reinforcement	3 d	Tue 24/11/20	Thu 26/11/20	0%
374	Post Tensioning	3 d	Fri 27/11/20	Mon 30/11/20	0%
375	Top Reinforcement	2 d	Tue 1/12/20	Wed 2/12/20	0%
376	Engineers Inspection & Rectification Works	1 d	Thu 3/12/20	Thu 3/12/20	0%
377	Concrete Pour	1 d	Fri 4/12/20	Fri 4/12/20	0%
378	FRP Level 2-3 Verticals	5 d	Wed 9/12/20	Mon 14/12/20	0%
379	Initial PT Stress	1 d	Wed 9/12/20	Wed 9/12/20	0%
380	Final PT Stress	1 d	Tue 15/12/20	Tue 15/12/20	0%
381	**FRP Roof Suspended Slab**	**16 d**	**Tue 15/12/20**	**Wed 20/01/21**	**0%**
382	Formwork	4 d	Tue 15/12/20	Fri 18/12/20	0%
383	Bottom Reinforcement	2 d	Fri 18/12/20	Sat 19/12/20	0%
384	Post Tensioning	2 d	Mon 21/12/20	Tue 22/12/20	0%
385	Top Reinforcement	1 d	Mon 11/01/21	Mon 11/01/21	0%
386	Engineers Inspection & Rectification Works	1 d	Tue 12/01/21	Tue 12/01/21	0%
387	Concrete Pour	1 d	Wed 13/01/21	Wed 13/01/21	0%
388	*Structure Complete Traditional Topping Off Ceremony*	*0 d*	*Wed 13/01/21*	*Wed 13/01/21*	*0%*
389	Initial PT Stress	1 d	Thu 14/01/21	Thu 14/01/21	0%
390	Final PT Stress	1 d	Wed 20/01/21	Wed 20/01/21	0%
391	**Stripping Formwork & Back Propping Install**	**63 d**	**Mon 2/11/20**	**Mon 8/02/21**	**0%**
392	Strip L1-L2	5 d	Mon 2/11/20	Fri 6/11/20	0%
393	Strip L2-L3	5 d	Thu 21/01/21	Fri 29/01/21	0%
394	Strip L3-L4	5 d	Sat 30/01/21	Thu 4/02/21	0%
395	Strip Roof	3 d	Fri 5/02/21	Mon 8/02/21	0%
396	**HERITAGE BUILDING (HB)**	**211 d**	**Tue 12/05/20**	**Mon 15/02/21**	**41%**
397	FRP Rain Water Harvest Tank	20 d	Thu 2/07/20	Fri 24/07/20	100%
398	FRP Level 1 Stairs and Connections	20 d	Wed 9/12/20	Tue 19/01/21	0%
399	FRP Steel Platform Footings	20 d	Wed 20/01/21	Mon 15/02/21	0%
400	Structural Repairs to Heritage Building	50 d	Tue 12/05/20	Mon 13/07/20	50%
401	**FAÇADE**	**264 d**	**Tue 14/07/20**	**Sat 26/06/21**	**2%**
402	**FAÇADE RESIDENTIAL BUILDING**	**115 d**	**Tue 13/10/20**	**Sat 20/03/21**	**0%**
403	L1-2 Install Shop Fronts and Façade	20 d	Tue 13/10/20	Wed 4/11/20	0%
404	L2-3 Install Façade	20 d	Thu 5/11/20	Fri 27/11/20	0%
405	L3-4 Install Façade	20 d	Sat 28/11/20	Tue 12/01/21	0%
406	L4-Roof Façade Install	20 d	Wed 13/01/21	Mon 8/02/21	0%
407	Paint External All Levels	20 d	Tue 9/02/21	Wed 3/03/21	0%
408	Aluminium Louvres, Fins and Assoc. Attachments Install	15 d	Thu 4/03/21	Sat 20/03/21	0%
409	Void Curtain Wall Steelwork Install	10 d	Thu 12/11/20	Mon 23/11/20	0%
410	Void Curtain Wall Glazing Install	10 d	Tue 24/11/20	Fri 4/12/20	0%
411	**FAÇADE EDUCATIONAL BUILDING**	**115 d**	**Sat 7/11/20**	**Tue 20/04/21**	**0%**
412	L1-2 Install Shop Fronts and Façade	20 d	Sat 7/11/20	Mon 30/11/20	0%



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

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9 CHURCH STREET NEWCASTLE 2300
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ID	Task Name	Dur	Start	Finish	% Complete
413	L2-3 Install Façade	20 d	Tue 1/12/20	Thu 14/01/21	0%
414	L3-4 Install Façade	20 d	Fri 15/01/21	Wed 10/02/21	0%
415	L4-Roof Façade Install	20 d	Thu 11/02/21	Fri 5/03/21	0%
416	Paint External All Levels	20 d	Sat 6/03/21	Mon 29/03/21	0%
417	Aluminium Louvres, Fins and Assoc. Attachments Install	15 d	Tue 30/03/21	Tue 20/04/21	0%
418	Void Curtain Wall Steelwork Install	10 d	Tue 9/02/21	Fri 19/02/21	0%
419	Void Curtain Wall Glazing Install	10 d	Sat 20/02/21	Wed 3/03/21	0%
420	**FAÇADE HERITAGE / PUBLIC BUILDING**	**80 d**	**Mon 21/09/20**	**Sat 16/01/21**	**0%**
421	Paint and Repairs Northern Face	20 d	Mon 21/09/20	Fri 16/10/20	0%
422	Paint and Repairs Eastern Face	20 d	Sat 17/10/20	Mon 9/11/20	0%
423	Paint and Repairs Western Face	20 d	Tue 10/11/20	Wed 2/12/20	0%
424	Paint and Repairs Southern Face	20 d	Thu 3/12/20	Sat 16/01/21	0%
425	**CONNECTION CANOPIES**	**264 d**	**Tue 14/07/20**	**Sat 26/06/21**	**3%**
426	Install Heritage - Residential Building Connection Canopy	20 d	Sat 28/11/20	Tue 12/01/21	0%
427	Install Heritage - Educational Building Connection Canopy	20 d	Fri 15/01/21	Wed 10/02/21	0%
428	**SERVICES**	**264 d**	**Tue 14/07/20**	**Sat 26/06/21**	**3%**
429	**SERVICES RESIDENTIAL BUILDING**	**165 d**	**Thu 15/10/20**	**Fri 28/05/21**	**0%**
430	L1 Run High Level Services	10 d	Thu 15/10/20	Mon 26/10/20	0%
431	L2 Run High Level Services	15 d	Mon 2/11/20	Wed 18/11/20	0%
432	L3 Run High Level Services	15 d	Thu 19/11/20	Wed 9/12/20	0%
433	L4 Run High Level Services	10 d	Thu 10/12/20	Mon 21/12/20	0%
434	L1 Rough In Trades Sequence, Hydraulic, Mechanical, Fir	10 d	Sat 7/11/20	Wed 18/11/20	0%
435	L2 Rough In Trades Sequence, Hydraulic, Mechanical, Fir	10 d	Tue 1/12/20	Tue 15/12/20	0%
436	L3 Rough In Trades Sequence, Hydraulic, Mechanical, Fir	10 d	Tue 22/12/20	Wed 20/01/21	0%
437	L4 Rough In Trades Sequence, Hydraulic, Mechanical, Fi	8 d	Thu 21/01/21	Tue 2/02/21	0%
438	Roof Plant Install Services	15 d	Wed 3/02/21	Fri 19/02/21	0%
439	Level 1 Fitoff Services	10 d	Sat 6/03/21	Wed 17/03/21	0%
440	Level 2 Fitoff Services	10 d	Wed 7/04/21	Sat 17/04/21	0%
441	Level 3 Fitoff Services	10 d	Wed 21/04/21	Wed 5/05/21	0%
442	Level 4 Fitoff Services	10 d	Thu 6/05/21	Mon 17/05/21	0%
443	Commission Services	10 d	Tue 18/05/21	Fri 28/05/21	0%
444	**SERVICES EDUCATION BUILDING**	**167 d**	**Sat 7/11/20**	**Sat 26/06/21**	**0%**
445	L1 Run High Level Services	15 d	Sat 7/11/20	Tue 24/11/20	0%
446	L2 Run High Level Services	15 d	Wed 25/11/20	Tue 15/12/20	0%
447	L3 Run High Level Services	15 d	Tue 2/02/21	Thu 18/02/21	0%
448	L4 Run High Level Services	10 d	Fri 19/02/21	Tue 2/03/21	0%
449	L1 Rough In Trades Sequence, Hydraulic, Mechanical, Fir	10 d	Wed 25/11/20	Wed 9/12/20	0%
450	L2 Rough In Trades Sequence, Hydraulic, Mechanical, Fir	10 d	Thu 10/12/20	Mon 21/12/20	0%
451	L3 Rough In Trades Sequence, Hydraulic, Mechanical, Fir	10 d	Mon 15/03/21	Thu 25/03/21	0%
452	L4 Rough In Trades Sequence, Hydraulic, Mechanical, Fi	8 d	Fri 26/03/21	Thu 8/04/21	0%
453	Roof Plant Install Services	10 d	Fri 9/04/21	Tue 20/04/21	0%
454	Level 2 Fitoff Services	10 d	Thu 15/04/21	Thu 29/04/21	0%
455	Level 3 Fitoff Services	6 d	Sat 29/05/21	Fri 4/06/21	0%
456	Level 4 Fitoff Services	6 d	Sat 5/06/21	Fri 11/06/21	0%
457	Commission Services	10 d	Wed 16/06/21	Sat 26/06/21	0%
458	**SERVICES HERITAGE BUILDING**	**162 d**	**Tue 14/07/20**	**Tue 16/02/21**	**14%**
459	L1 Rough In Trades Sequence, Hydraulic, Mechanical, Fire & Electrical	15 d	Tue 14/07/20	Thu 30/07/20	55%
460	L2 Rough In Trades Sequence, Hydraulic, Mechanical, Fire & Electrical	15 d	Fri 31/07/20	Mon 17/08/20	20%
461	L3 Rough In Trades Sequence, Hydraulic, Mechanical, Fire & Electrical	15 d	Tue 18/08/20	Thu 3/09/20	5%
462	Level 1 Fitoff Services	10 d	Tue 17/11/20	Fri 27/11/20	0%
463	Level 2 Fitoff Services	10 d	Sat 28/11/20	Sat 12/12/20	0%
464	Level 3 Fitoff Services	10 d	Mon 14/12/20	Tue 12/01/21	0%
465	Commission Services	10 d	Fri 5/02/21	Tue 16/02/21	0%
466	**FINISHES**	**253 d**	**Fri 31/07/20**	**Thu 1/07/21**	**0%**
467	**FINISHES RESIDENTIAL BUILDING STUDENT ACCOMM**	**154 d**	**Tue 13/10/20**	**Thu 13/05/21**	**0%**
468	L1 Mark Up Slab	2 d	Tue 13/10/20	Wed 14/10/20	0%
469	L1 Frame Partitions	10 d	Tue 27/10/20	Fri 6/11/20	0%
470	L1 Frame Ceilings	10 d	Sat 7/11/20	Wed 18/11/20	0%
471	L1 Sheet, Set & Sand Partitions	10 d	Thu 19/11/20	Mon 30/11/20	0%
472	L1 Sheet, Set & Sand Ceilings	10 d	Tue 1/12/20	Tue 15/12/20	0%
473	L1 Membrane and Tiling	10 d	Wed 16/12/20	Thu 14/01/21	0%
474	L1 Door Hardware	10 d	Fri 15/01/21	Fri 29/01/21	0%
475	L1 Joinery	10 d	Sat 30/01/21	Wed 10/02/21	0%
476	L1 Floor Finishes	10 d	Thu 11/02/21	Mon 22/02/21	0%
477	L1 Paint	10 d	Tue 23/02/21	Fri 5/03/21	0%
478	L1 FFE	5 d	Sat 6/03/21	Thu 11/03/21	0%
479	L1 Clean and Defects	5 d	Fri 12/03/21	Wed 17/03/21	0%
480	L1 Cafeteria and Kitchen Fitout	40 d	Thu 18/03/21	Tue 11/05/21	0%

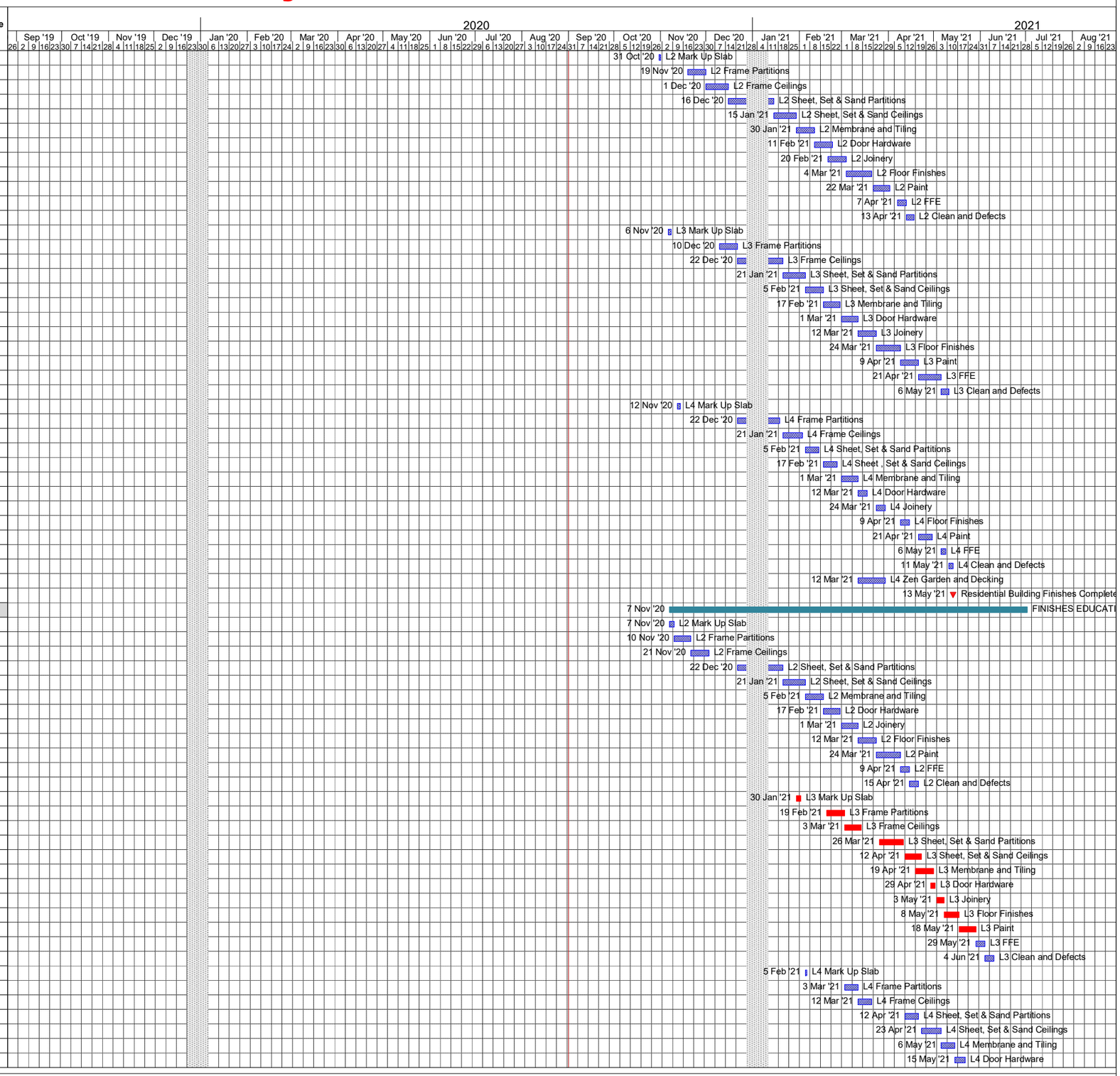


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Contract Programme

ID	Task Name	Dur	Start	Finish	% Complete
481	L2 Mark Up Slab	1 d	Sat 31/10/20	Sat 31/10/20	0%
482	L2 Frame Partitions	10 d	Thu 19/11/20	Mon 30/11/20	0%
483	L2 Frame Ceilings	10 d	Tue 1/12/20	Tue 15/12/20	0%
484	L2 Sheet, Set & Sand Partitions	10 d	Wed 16/12/20	Thu 14/01/21	0%
485	L2 Sheet, Set & Sand Ceilings	10 d	Fri 15/01/21	Fri 29/01/21	0%
486	L2 Membrane and Tiling	10 d	Sat 30/01/21	Wed 10/02/21	0%
487	L2 Door Hardware	10 d	Thu 11/02/21	Mon 22/02/21	0%
488	L2 Joinery	10 d	Sat 20/02/21	Wed 3/03/21	0%
489	L2 Floor Finishes	15 d	Thu 4/03/21	Sat 20/03/21	0%
490	L2 Paint	10 d	Mon 22/03/21	Thu 1/04/21	0%
491	L2 FFE	5 d	Wed 7/04/21	Mon 12/04/21	0%
492	L2 Clean and Defects	5 d	Tue 13/04/21	Sat 17/04/21	0%
493	L3 Mark Up Slab	2 d	Fri 6/11/20	Sat 7/11/20	0%
494	L3 Frame Partitions	10 d	Thu 10/12/20	Mon 21/12/20	0%
495	L3 Frame Ceilings	10 d	Tue 22/12/20	Wed 20/01/21	0%
496	L3 Sheet, Set & Sand Partitions	10 d	Thu 21/01/21	Thu 4/02/21	0%
497	L3 Sheet, Set & Sand Ceilings	10 d	Fri 5/02/21	Tue 16/02/21	0%
498	L3 Membrane and Tiling	10 d	Wed 17/02/21	Sat 27/02/21	0%
499	L3 Door Hardware	10 d	Mon 1/03/21	Thu 11/03/21	0%
500	L3 Joinery	10 d	Fri 12/03/21	Tue 23/03/21	0%
501	L3 Floor Finishes	10 d	Wed 24/03/21	Thu 8/04/21	0%
502	L3 Paint	10 d	Fri 9/04/21	Tue 20/04/21	0%
503	L3 FFE	10 d	Wed 21/04/21	Wed 5/05/21	0%
504	L3 Clean and Defects	4 d	Thu 6/05/21	Mon 10/05/21	0%
505	L4 Mark Up Slab	2 d	Thu 12/11/20	Fri 13/11/20	0%
506	L4 Frame Partitions	8 d	Tue 22/12/20	Mon 18/01/21	0%
507	L4 Frame Ceilings	8 d	Thu 21/01/21	Tue 2/02/21	0%
508	L4 Sheet, Set & Sand Partitions	8 d	Fri 5/02/21	Sat 13/02/21	0%
509	L4 Sheet , Set & Sand Ceilings	8 d	Wed 17/02/21	Thu 25/02/21	0%
510	L4 Membrane and Tiling	10 d	Mon 1/03/21	Thu 11/03/21	0%
511	L4 Door Hardware	5 d	Fri 12/03/21	Wed 17/03/21	0%
512	L4 Joinery	5 d	Wed 24/03/21	Mon 29/03/21	0%
513	L4 Floor Finishes	5 d	Fri 9/04/21	Wed 14/04/21	0%
514	L4 Paint	5 d	Wed 21/04/21	Thu 29/04/21	0%
515	L4 FFE	3 d	Thu 6/05/21	Sat 8/05/21	0%
516	L4 Clean and Defects	3 d	Tue 11/05/21	Thu 13/05/21	0%
517	L4 Zen Garden and Decking	15 d	Fri 12/03/21	Mon 29/03/21	0%
518	*Residential Building Finishes Complete*	*0 d*	*Thu 13/05/21*	*Thu 13/05/21*	*0%*
519	**FINISHES EDUCATIONAL BUILDING**	**171 d**	**Sat 7/11/20**	**Thu 1/07/21**	**0%**
520	L2 Mark Up Slab	2 d	Sat 7/11/20	Mon 9/11/20	0%
521	L2 Frame Partitions	10 d	Tue 10/11/20	Fri 20/11/20	0%
522	L2 Frame Ceilings	10 d	Sat 21/11/20	Wed 2/12/20	0%
523	L2 Sheet, Set & Sand Partitions	10 d	Tue 22/12/20	Wed 20/01/21	0%
524	L2 Sheet, Set & Sand Ceilings	10 d	Thu 21/01/21	Thu 4/02/21	0%
525	L2 Membrane and Tiling	10 d	Fri 5/02/21	Tue 16/02/21	0%
526	L2 Door Hardware	10 d	Wed 17/02/21	Sat 27/02/21	0%
527	L2 Joinery	10 d	Mon 1/03/21	Thu 11/03/21	0%
528	L2 Floor Finishes	10 d	Fri 12/03/21	Tue 23/03/21	0%
529	L2 Paint	10 d	Wed 24/03/21	Thu 8/04/21	0%
530	L2 FFE	5 d	Fri 9/04/21	Wed 14/04/21	0%
531	L2 Clean and Defects	5 d	Thu 15/04/21	Tue 20/04/21	0%
532	L3 Mark Up Slab	2 d	Sat 30/01/21	Mon 1/02/21	0%
533	L3 Frame Partitions	10 d	Fri 19/02/21	Tue 2/03/21	0%
534	L3 Frame Ceilings	10 d	Wed 3/03/21	Sat 13/03/21	0%
535	L3 Sheet, Set & Sand Partitions	10 d	Fri 26/03/21	Sat 10/04/21	0%
536	L3 Sheet, Set & Sand Ceilings	10 d	Mon 12/04/21	Thu 22/04/21	0%
537	L3 Membrane and Tiling	8 d	Mon 19/04/21	Fri 30/04/21	0%
538	L3 Door Hardware	3 d	Thu 29/04/21	Sat 1/05/21	0%
539	L3 Joinery	5 d	Mon 3/05/21	Fri 7/05/21	0%
540	L3 Floor Finishes	8 d	Sat 8/05/21	Mon 17/05/21	0%
541	L3 Paint	10 d	Tue 18/05/21	Fri 28/05/21	0%
542	L3 FFE	5 d	Sat 29/05/21	Thu 3/06/21	0%
543	L3 Clean and Defects	5 d	Fri 4/06/21	Wed 9/06/21	0%
544	L4 Mark Up Slab	1 d	Fri 5/02/21	Fri 5/02/21	0%
545	L4 Frame Partitions	8 d	Wed 3/03/21	Thu 11/03/21	0%
546	L4 Frame Ceilings	8 d	Fri 12/03/21	Sat 20/03/21	0%
547	L4 Sheet, Set & Sand Partitions	8 d	Mon 12/04/21	Tue 20/04/21	0%
548	L4 Sheet, Set & Sand Ceilings	8 d	Fri 23/04/21	Wed 5/05/21	0%
549	L4 Membrane and Tiling	8 d	Thu 6/05/21	Fri 14/05/21	0%
550	L4 Door Hardware	6 d	Sat 15/05/21	Fri 21/05/21	0%

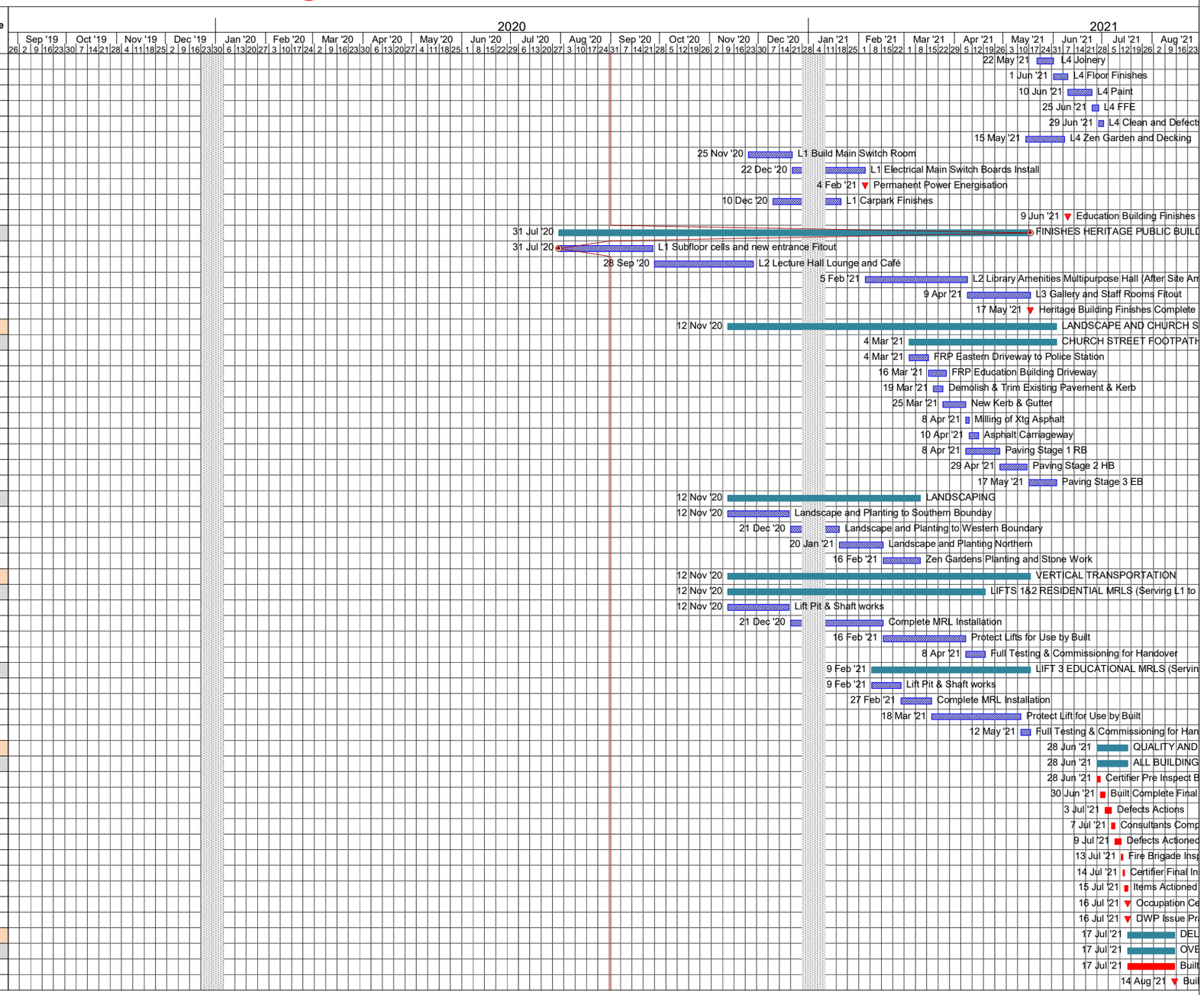


Critical Task | Non-critical | Milestone | Project Summary | Summary

Prepared By: RMc
Checked:
Revision : Rev 7 Contract

Built NIHON UNIVERSITY
9 CHURCH STREET NEWCASTLE 2300
Contract Programme

ID	Task Name	Dur	Start	Finish	% Complete
551	L4 Joinery	8 d	Sat 22/05/21	Mon 31/05/21	0%
552	L4 Floor Finishes	8 d	Tue 1/06/21	Wed 9/06/21	0%
553	L4 Paint	10 d	Thu 10/06/21	Thu 24/06/21	0%
554	L4 FFE	3 d	Fri 25/06/21	Mon 28/06/21	0%
555	L4 Clean and Defects	3 d	Tue 29/06/21	Thu 1/07/21	0%
556	L4 Zen Garden and Decking	20 d	Sat 15/05/21	Mon 7/06/21	0%
557	L1 Build Main Switch Room	20 d	Wed 25/11/20	Mon 21/12/20	0%
558	L1 Electrical Main Switch Boards Install	20 d	Tue 22/12/20	Thu 4/02/21	0%
559	*Permanent Power Energisation*	*0 d*	*Thu 4/02/21*	*Thu 4/02/21*	*0%*
560	L1 Carpark Finishes	20 d	Thu 10/12/20	Wed 20/01/21	0%
561	*Education Building Finishes Complete*	*0 d*	*Wed 9/06/21*	*Wed 9/06/21*	*0%*
562	**FINISHES HERITAGE PUBLIC BUILDING**	**217 d**	**Fri 31/07/20**	**Mon 17/05/21**	**0%**
563	L1 Subfloor cells and new entrance Fitout	50 d	Fri 31/07/20	Sat 26/09/20	0%
564	L2 Lecture Hall Lounge and Café	50 d	Mon 28/09/20	Fri 27/11/20	0%
565	L2 Library Amenities Multipurpose Hall (After Site Amenities Rem	50 d	Fri 5/02/21	Thu 8/04/21	0%
566	L3 Gallery and Staff Rooms Fitout	30 d	Fri 9/04/21	Mon 17/05/21	0%
567	*Heritage Building Finishes Complete*	*0 d*	*Mon 17/05/21*	*Mon 17/05/21*	*0%*
568	**LANDSCAPE AND CHURCH STREET WORKS**	**145 d**	**Thu 12/11/20**	**Wed 2/06/21**	**0%**
569	**CHURCH STREET FOOTPATH & ENTRY WORKS**	**71 d**	**Thu 4/03/21**	**Wed 2/06/21**	**0%**
570	FRP Eastern Driveway to Police Station	10 d	Thu 4/03/21	Mon 15/03/21	0%
571	FRP Education Building Driveway	10 d	Tue 16/03/21	Fri 26/03/21	0%
572	Demolish & Trim Existing Pavement & Kerb	5 d	Fri 19/03/21	Wed 24/03/21	0%
573	New Kerb & Gutter	8 d	Thu 25/03/21	Wed 7/04/21	0%
574	Milling of Xtg Asphalt	2 d	Thu 8/04/21	Fri 9/04/21	0%
575	Asphalt Carriageway	5 d	Sat 10/04/21	Thu 15/04/21	0%
576	Paving Stage 1 RB	15 d	Thu 8/04/21	Wed 28/04/21	0%
577	Paving Stage 2 HB	15 d	Thu 29/04/21	Sat 15/05/21	0%
578	Paving Stage 3 EB	15 d	Mon 17/05/21	Wed 2/06/21	0%
579	**LANDSCAPING**	**80 d**	**Thu 12/11/20**	**Wed 10/03/21**	**0%**
580	Landscape and Planting to Southern Bounday	30 d	Thu 12/11/20	Sat 19/12/20	0%
581	Landscape and Planting to Western Boundary	10 d	Mon 21/12/20	Tue 19/01/21	0%
582	Landscape and Planting Northern	20 d	Wed 20/01/21	Mon 15/02/21	0%
583	Zen Gardens Planting and Stone Work	20 d	Tue 16/02/21	Wed 10/03/21	0%
584	**VERTICAL TRANSPORTATION**	**131 d**	**Thu 12/11/20**	**Mon 17/05/21**	**0%**
585	**LIFTS 1&2 RESIDENTIAL MRLS (Serving L1 to L4)**	**110 d**	**Thu 12/11/20**	**Mon 19/04/21**	**0%**
586	Lift Pit & Shaft works	30 d	Thu 12/11/20	Sat 19/12/20	0%
587	Complete MRL Installation	30 d	Mon 21/12/20	Mon 15/02/21	0%
588	Protect Lifts for Use by Built	40 d	Tue 16/02/21	Wed 7/04/21	0%
589	Full Testing & Commissioning for Handover	10 d	Thu 8/04/21	Mon 19/04/21	0%
590	**LIFT 3 EDUCATIONAL MRLS (Serving L1 to L4)**	**77 d**	**Tue 9/02/21**	**Mon 17/05/21**	**0%**
591	Lift Pit & Shaft works	16 d	Tue 9/02/21	Fri 26/02/21	0%
592	Complete MRL Installation	16 d	Sat 27/02/21	Wed 17/03/21	0%
593	Protect Lift for Use by Built	40 d	Thu 18/03/21	Tue 11/05/21	0%
594	Full Testing & Commissioning for Handover	5 d	Wed 12/05/21	Mon 17/05/21	0%
595	**QUALITY AND HANDOVER PLANNING**	**17 d**	**Mon 28/06/21**	**Fri 16/07/21**	**0%**
596	**ALL BUILDINGS**	**17 d**	**Mon 28/06/21**	**Fri 16/07/21**	**0%**
597	Certifier Pre Inspect Buildings	2 d	Mon 28/06/21	Tue 29/06/21	0%
598	Built Complete Final Defect List	3 d	Wed 30/06/21	Fri 2/07/21	0%
599	Defects Actions	3 d	Sat 3/07/21	Tue 6/07/21	0%
600	Consultants Complete Defect List	2 d	Wed 7/07/21	Thu 8/07/21	0%
601	Defects Actioned	3 d	Fri 9/07/21	Mon 12/07/21	0%
602	Fire Brigade Inspect & Life Safety Measures In Place	1 d	Tue 13/07/21	Tue 13/07/21	0%
603	Certifier Final Inspection	1 d	Wed 14/07/21	Wed 14/07/21	0%
604	Items Actioned	2 d	Thu 15/07/21	Fri 16/07/21	0%
605	*Occupation Certificate Issued*	*0 d*	*Fri 16/07/21*	*Fri 16/07/21*	*0%*
606	*DWP Issue Practical Completion*	*0 d*	*Fri 16/07/21*	*Fri 16/07/21*	*0%*
607	**DELAY ALLOWANCE**	**25 d**	**Sat 17/07/21**	**Sat 14/08/21**	**0%**
608	**OVERALL DELAY ALLOWANCE**	**25 d**	**Sat 17/07/21**	**Sat 14/08/21**	**0%**
609	Built Project Delay Allowance	25 d	Sat 17/07/21	Sat 14/08/21	0%
610	*Built Project Complete*	*0 d*	*Sat 14/08/21*	*Sat 14/08/21*	*0%*



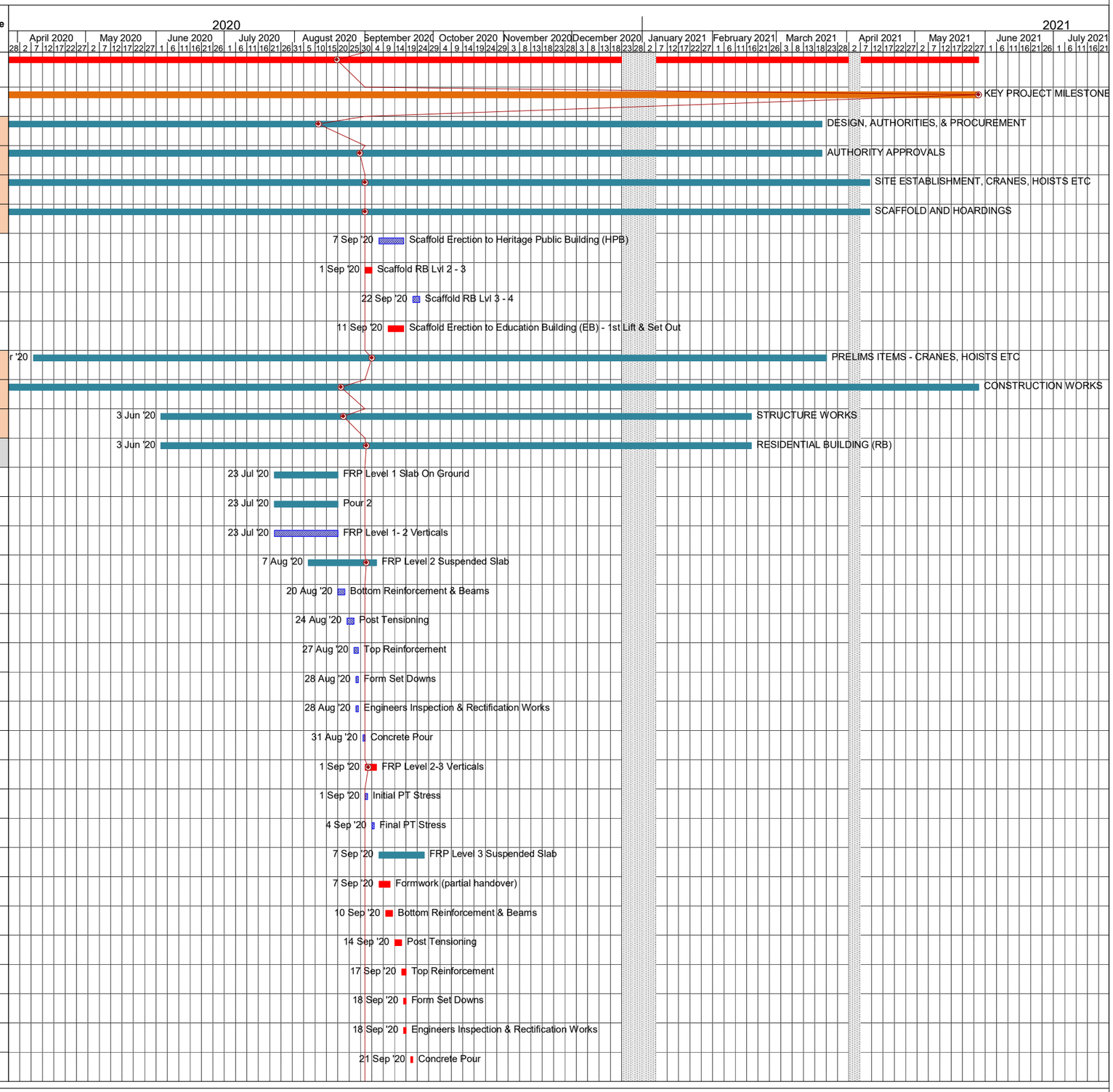
Critical Task | Non-critical | Milestone | Project Summary | Summary

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**	**465 d**	**Wed 18/09/19**	**Fri 28/05/21**	**54%**
1	**KEY PROJECT MILESTONES**	**435 d**	**Mon 21/10/19**	**Fri 28/05/21**	**99%**
31	**DESIGN, AUTHORITIES, & PROCUREMENT**	**388 d**	**Mon 21/10/19**	**Sat 20/03/21**	**98%**
48	**AUTHORITY APPROVALS**	**388 d**	**Mon 21/10/19**	**Sat 20/03/21**	**96%**
188	**SITE ESTABLISHMENT, CRANES, HOISTS ETC**	**394 d**	**Tue 29/10/19**	**Sat 10/04/21**	**64%**
200	**SCAFFOLD AND HOARDINGS**	**341 d**	**Tue 21/01/20**	**Sat 10/04/21**	**35%**
205	Scaffold Erection to Heritage Public Building (HPB)	10 d	Mon 7/09/20	Thu 17/09/20	0%
207	Scaffold RB Lvl 2 - 3	3 d	Tue 1/09/20	Thu 3/09/20	0%
208	Scaffold RB Lvl 3 - 4	3 d	Tue 22/09/20	Thu 24/09/20	0%
210	Scaffold Erection to Education Building (EB) - 1st Lift & Set Out	6 d	Fri 11/09/20	Thu 17/09/20	0%
217	**PRELIMS ITEMS - CRANES, HOISTS ETC**	**264 d**	**Wed 8/04/20**	**Mon 22/03/21**	**50%**
225	**CONSTRUCTION WORKS**	**394 d**	**Tue 17/12/19**	**Fri 28/05/21**	**25%**
284	**STRUCTURE WORKS**	**194 d**	**Wed 3/06/20**	**Wed 17/02/21**	**37%**
285	**RESIDENTIAL BUILDING (RB)**	**194 d**	**Wed 3/06/20**	**Wed 17/02/21**	**51%**
290	**FRP Level 1 Slab On Ground**	**24 d**	**Thu 23/07/20**	**Wed 19/08/20**	**100%**
299	**Pour 2**	**24 d**	**Thu 23/07/20**	**Wed 19/08/20**	**100%**
307	FRP Level 1- 2 Verticals	24 d	Thu 23/07/20	Wed 19/08/20	100%
308	**FRP Level 2 Suspended Slab**	**26 d**	**Fri 7/08/20**	**Sat 5/09/20**	**75%**
310	Bottom Reinforcement & Beams	3 d	Thu 20/08/20	Sat 22/08/20	100%
311	Post Tensioning	3 d	Mon 24/08/20	Wed 26/08/20	100%
312	Top Reinforcement	2 d	Thu 27/08/20	Fri 28/08/20	100%
313	Form Set Downs	1 d	Fri 28/08/20	Fri 28/08/20	100%
314	Engineers Inspection & Rectification Works	1 d	Fri 28/08/20	Fri 28/08/20	100%
315	Concrete Pour	1 d	Mon 31/08/20	Mon 31/08/20	100%
316	FRP Level 2-3 Verticals	5 d	Tue 1/09/20	Sat 5/09/20	25%
317	Initial PT Stress	1 d	Tue 1/09/20	Tue 1/09/20	0%
318	Final PT Stress	1 d	Fri 4/09/20	Fri 4/09/20	0%
319	**FRP Level 3 Suspended Slab**	**18 d**	**Mon 7/09/20**	**Sat 26/09/20**	**0%**
320	Formwork (partial handover)	5 d	Mon 7/09/20	Fri 11/09/20	0%
321	Bottom Reinforcement & Beams	3 d	Thu 10/09/20	Sat 12/09/20	0%
322	Post Tensioning	3 d	Mon 14/09/20	Wed 16/09/20	0%
323	Top Reinforcement	2 d	Thu 17/09/20	Fri 18/09/20	0%
324	Form Set Downs	1 d	Fri 18/09/20	Fri 18/09/20	0%
325	Engineers Inspection & Rectification Works	1 d	Fri 18/09/20	Fri 18/09/20	0%
326	Concrete Pour	1 d	Mon 21/09/20	Mon 21/09/20	0%

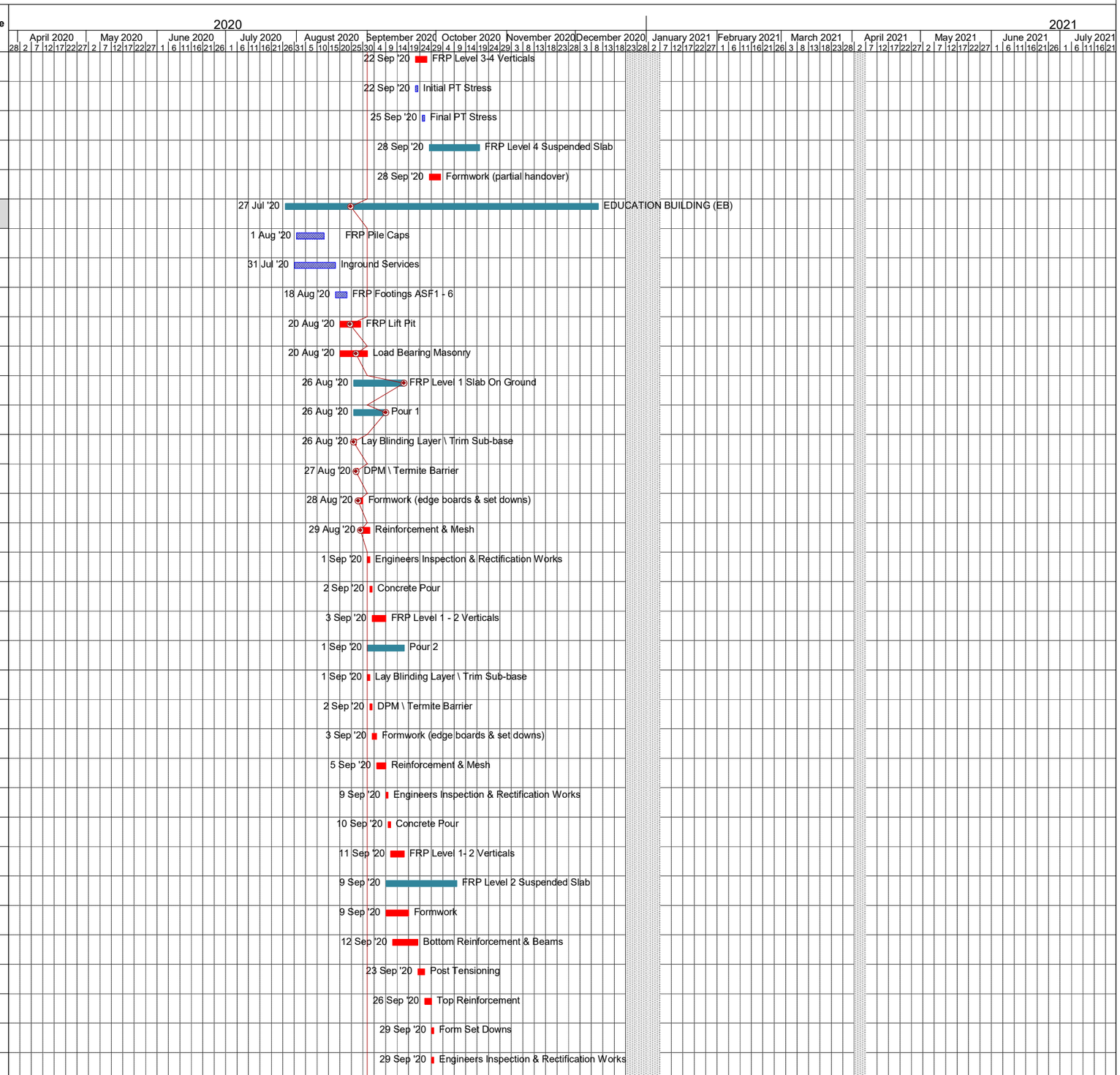


Critical Task | Non-critical | Milestone | Project Summary | Summary

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
327	FRP Level 3-4 Verticals	5 d	Tue 22/09/20	Sat 26/09/20	0%
328	Initial PT Stress	1 d	Tue 22/09/20	Tue 22/09/20	0%
329	Final PT Stress	1 d	Fri 25/09/20	Fri 25/09/20	0%
330	**FRP Level 4 Suspended Slab**	**16 d**	**Mon 28/09/20**	**Mon 19/10/20**	**0%**
331	Formwork (partial handover)	5 d	Mon 28/09/20	Fri 2/10/20	0%
356	**EDUCATION BUILDING (EB)**	**112 d**	**Mon 27/07/20**	**Thu 10/12/20**	**25%**
358	FRP Pile Caps	16 d	Sat 1/08/20	Wed 19/08/20	100%
359	Inground Services	15 d	Fri 31/07/20	Mon 17/08/20	100%
360	FRP Footings ASF1 - 6	5 d	Tue 18/08/20	Sat 22/08/20	100%
361	FRP Lift Pit	8 d	Thu 20/08/20	Fri 28/08/20	40%
362	Load Bearing Masonry	10 d	Thu 20/08/20	Mon 31/08/20	60%
363	**FRP Level 1 Slab On Ground**	**19 d**	**Wed 26/08/20**	**Wed 16/09/20**	**0%**
364	**Pour 1**	**12 d**	**Wed 26/08/20**	**Tue 8/09/20**	**0%**
365	Lay Blinding Layer \ Trim Sub-base	1 d	Wed 26/08/20	Wed 26/08/20	0%
366	DPM \ Termite Barrier	1 d	Thu 27/08/20	Thu 27/08/20	0%
367	Formwork (edge boards & set downs)	2 d	Fri 28/08/20	Sat 29/08/20	0%
368	Reinforcement & Mesh	3 d	Sat 29/08/20	Tue 1/09/20	0%
369	Engineers Inspection & Rectification Works	1 d	Tue 1/09/20	Tue 1/09/20	0%
370	Concrete Pour	1 d	Wed 2/09/20	Wed 2/09/20	0%
371	FRP Level 1 - 2 Verticals	5 d	Thu 3/09/20	Tue 8/09/20	0%
372	**Pour 2**	**14 d**	**Tue 1/09/20**	**Wed 16/09/20**	**0%**
373	Lay Blinding Layer \ Trim Sub-base	1 d	Tue 1/09/20	Tue 1/09/20	0%
374	DPM \ Termite Barrier	1 d	Wed 2/09/20	Wed 2/09/20	0%
375	Formwork (edge boards & set downs)	2 d	Thu 3/09/20	Fri 4/09/20	0%
376	Reinforcement & Mesh	3 d	Sat 5/09/20	Tue 8/09/20	0%
377	Engineers Inspection & Rectification Works	1 d	Wed 9/09/20	Wed 9/09/20	0%
378	Concrete Pour	1 d	Thu 10/09/20	Thu 10/09/20	0%
379	FRP Level 1- 2 Verticals	5 d	Fri 11/09/20	Wed 16/09/20	0%
380	**FRP Level 2 Suspended Slab**	**24 d**	**Wed 9/09/20**	**Fri 9/10/20**	**0%**
381	Formwork	9 d	Wed 9/09/20	Fri 18/09/20	0%
382	Bottom Reinforcement & Beams	9 d	Sat 12/09/20	Tue 22/09/20	0%
383	Post Tensioning	3 d	Wed 23/09/20	Fri 25/09/20	0%
384	Top Reinforcement	2 d	Sat 26/09/20	Mon 28/09/20	0%
385	Form Set Downs	1 d	Tue 29/09/20	Tue 29/09/20	0%
386	Engineers Inspection & Rectification Works	1 d	Tue 29/09/20	Tue 29/09/20	0%

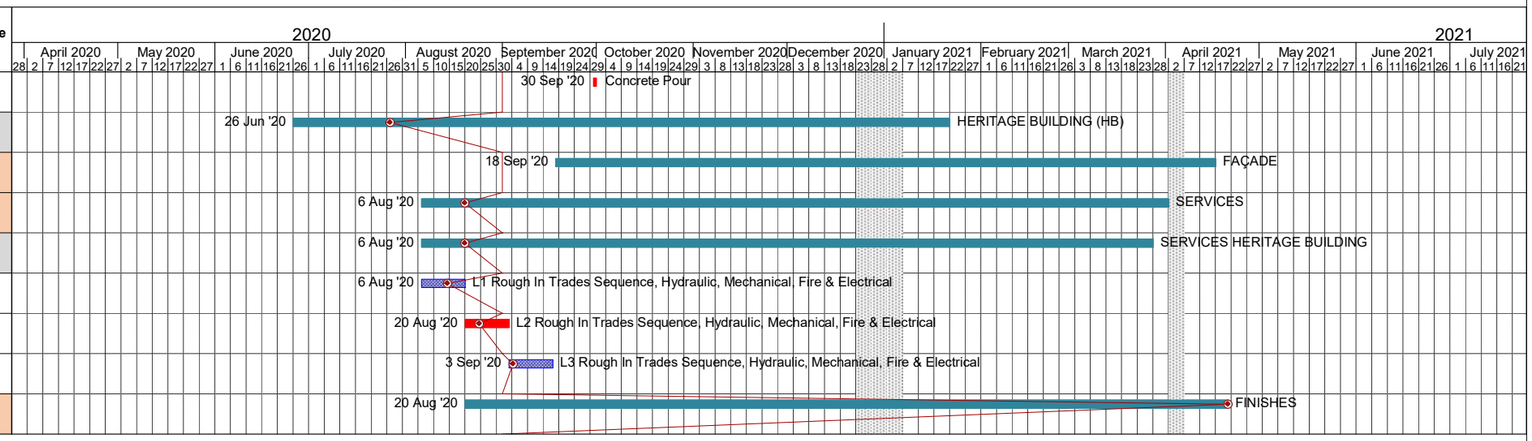


Critical Task | Non-critical | Milestone | Project Summary | Summary

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
387	Concrete Pour	1 d	Wed 30/09/20	Wed 30/09/20	0%
428	**HERITAGE BUILDING (HB)**	**158 d**	**Fri 26/06/20**	**Thu 21/01/21**	**35%**
433	**FAÇADE**	**152 d**	**Fri 18/09/20**	**Fri 16/04/21**	**0%**
480	**SERVICES**	**180 d**	**Thu 6/08/20**	**Thu 1/04/21**	**5%**
510	**SERVICES HERITAGE BUILDING**	**176 d**	**Thu 6/08/20**	**Sat 27/03/21**	**17%**
511	L1 Rough In Trades Sequence, Hydraulic, Mechanical, Fire & Ele	12 d	Thu 6/08/20	Wed 19/08/20	60%
512	L2 Rough In Trades Sequence, Hydraulic, Mechanical, Fire & Ele	12 d	Thu 20/08/20	Wed 2/09/20	30%
513	L3 Rough In Trades Sequence, Hydraulic, Mechanical, Fire & Ele	12 d	Thu 3/09/20	Wed 16/09/20	10%
518	**FINISHES**	**180 d**	**Thu 20/08/20**	**Tue 20/04/21**	**0%**



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

Appendix F – Monthly Progress Photos

Building A – Education



Photo 01: Stormwater pump out pit being installed



Photo 02: Inground services being installed



Photo 03: Inground services being installed

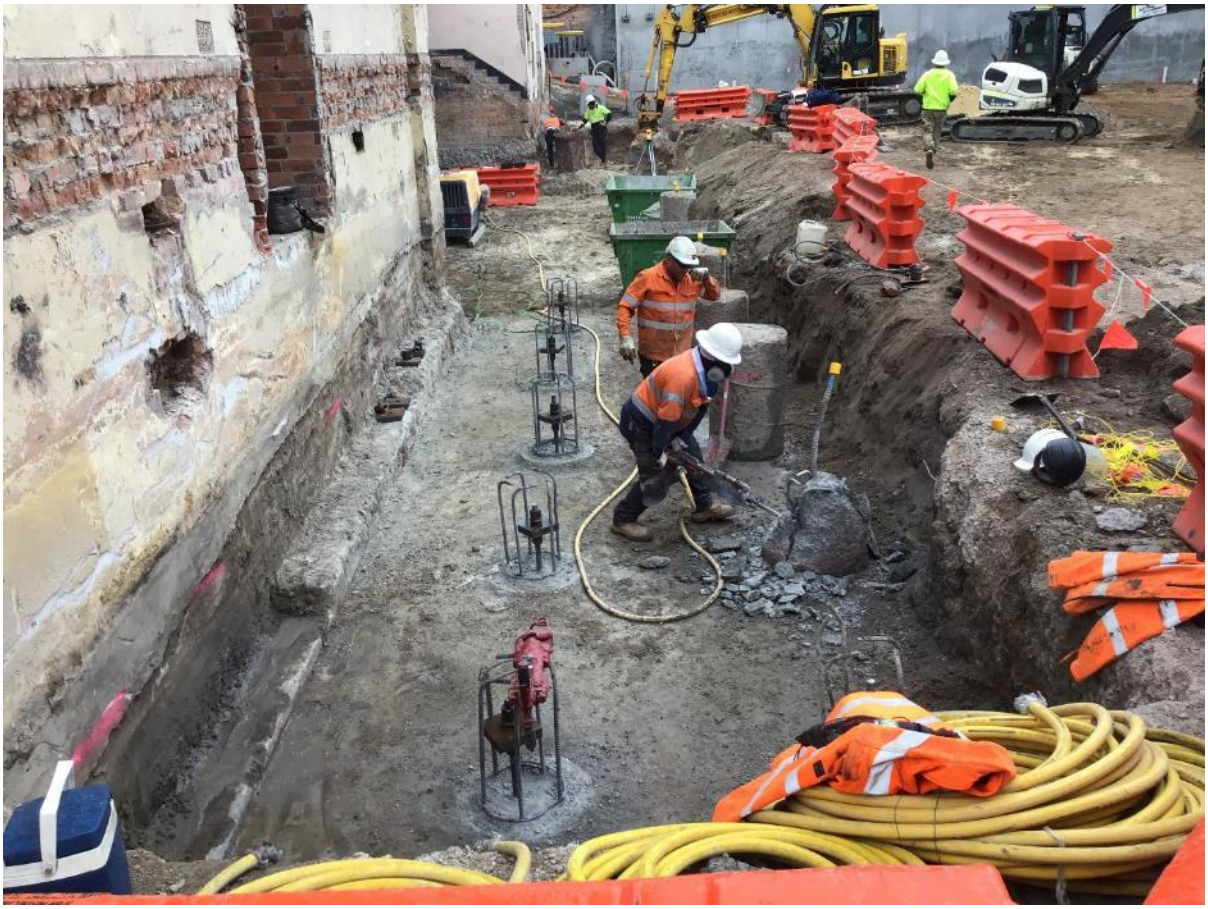


Photo 04: CFA piles installed and being broken down

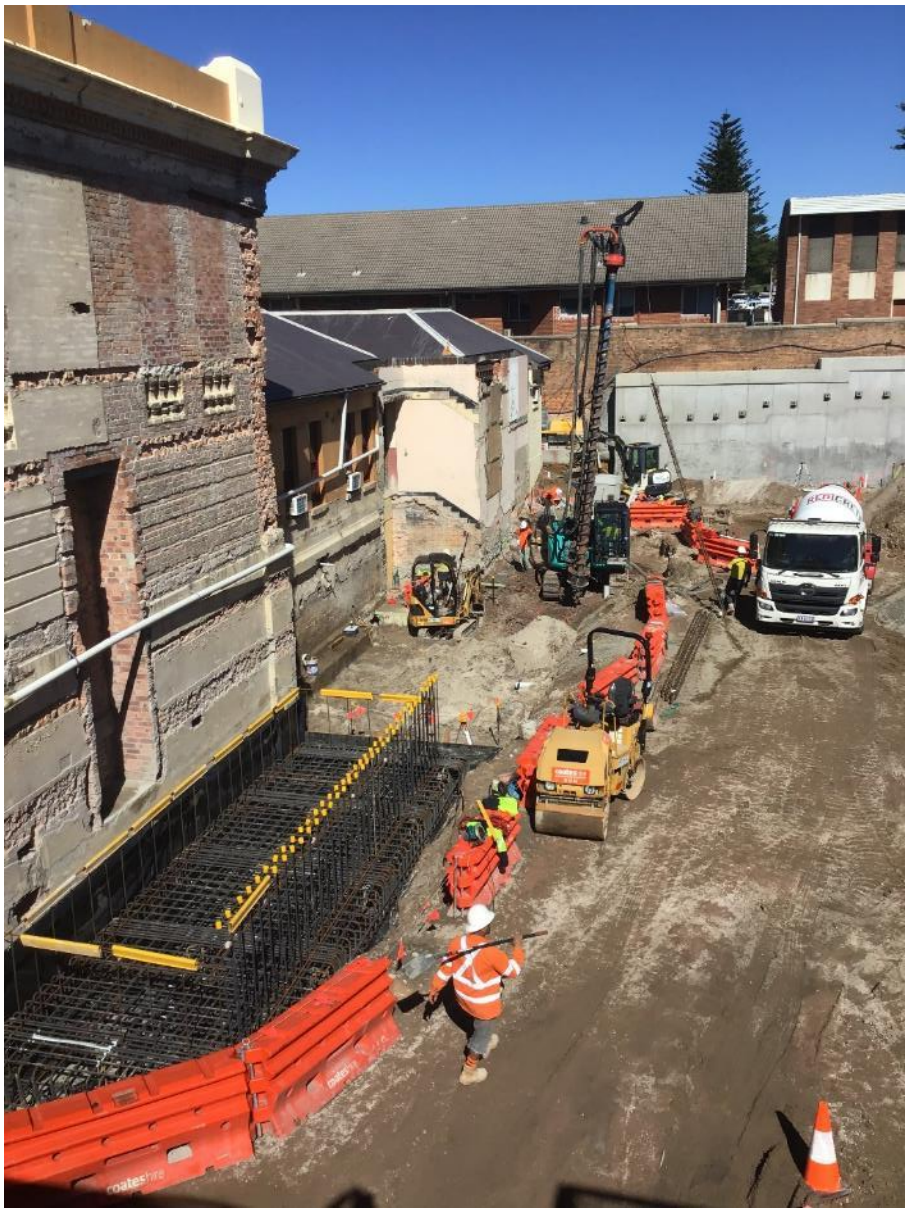


Photo 05: Pile Cap reinforcement and piling rig in background



Photo 06: Overview of Building A site in early August 2020



Photo 07: Pile Caps & Footings poured along Western boundary



Photo 08: Pile Caps & Footings poured along Eastern boundary



Photo 09: Blockwork in progress and Lift Pit being poured



Photo 10: Overview of Building A site looking South-West

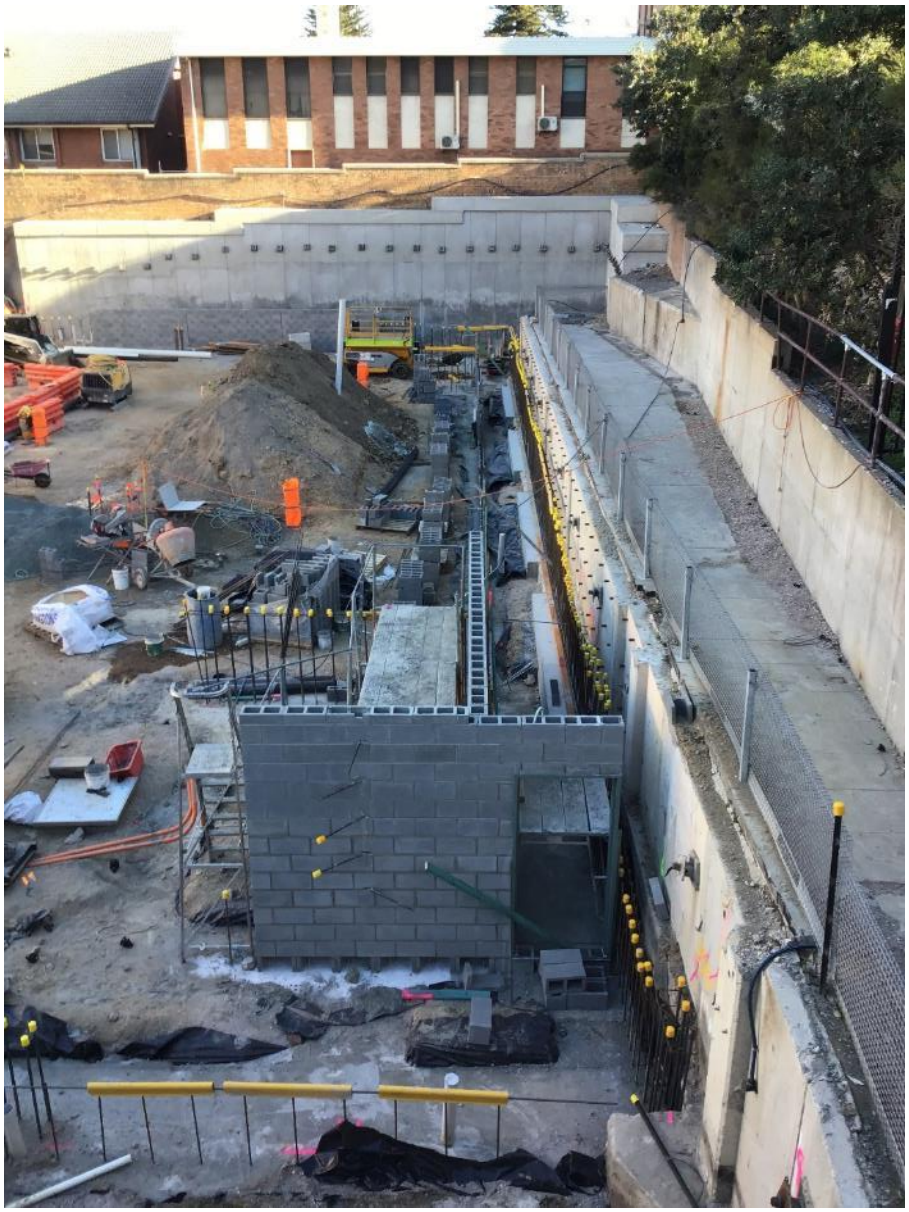


Photo 11: Blockwork to MSB Room along Western boundary

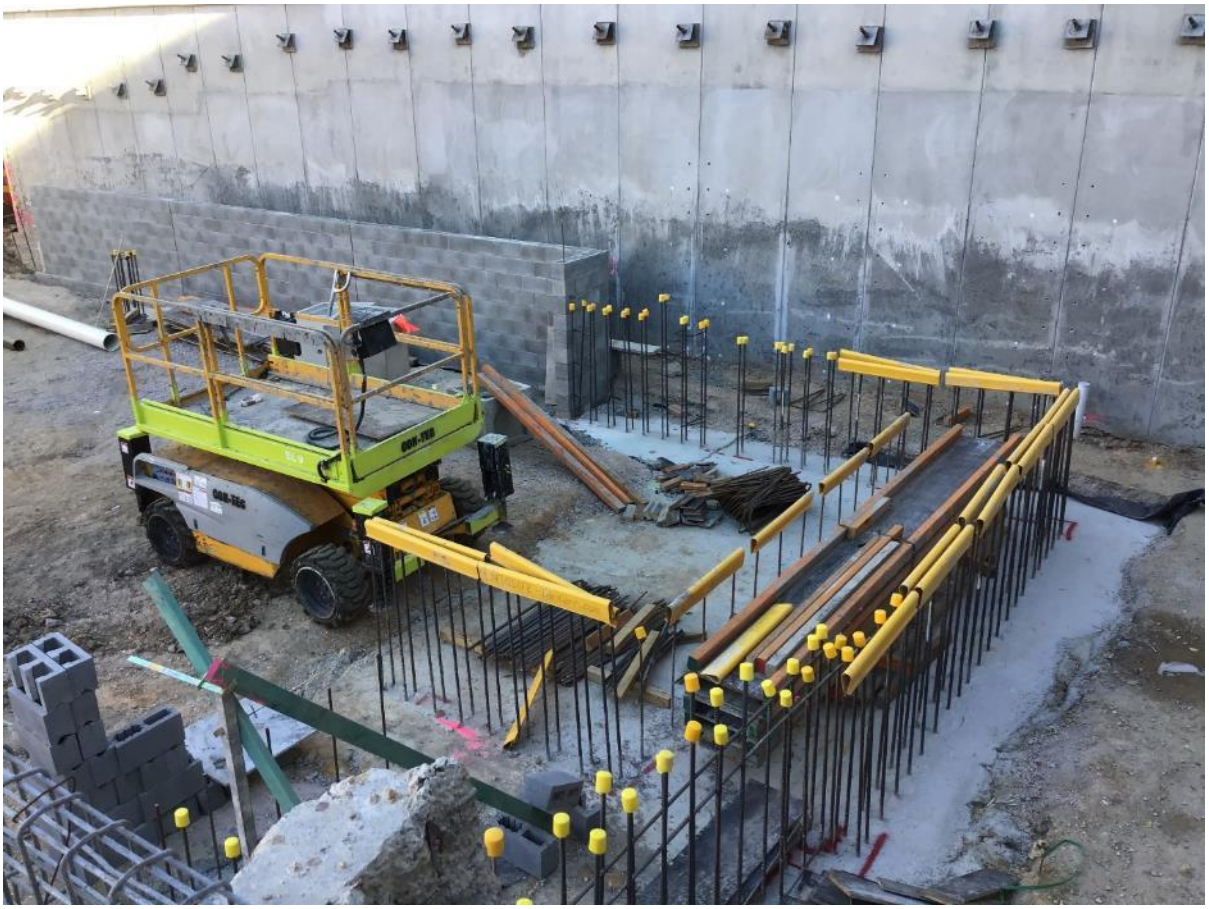


Photo 12: Footings poured and blockwork in progress in South-West corner



Photo 13: Photo looking North toward Church Street



Photo 14: Photo looking East at Heritage Courthouse

Building B – Heritage Courthouse



Photo 15: Mechanical pipework roughed in on Level 1



Photo 16: Services roughed in on Level 1



Photo 17: Services roughed in on Level 1



Photo 18: Services roughed in on Level 1



Photo 19: Services roughed in on Level 1



Photo 20: Services roughed in on Level 1

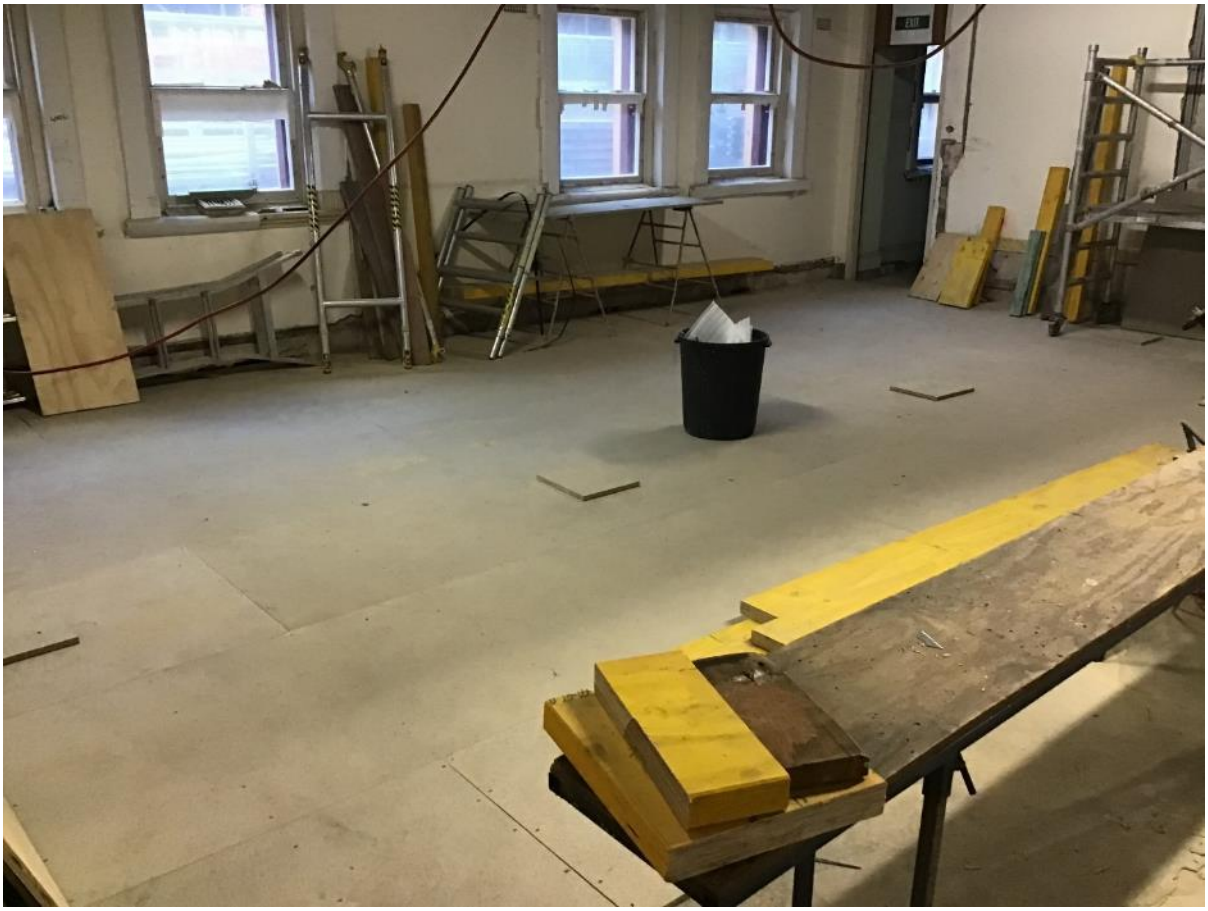


Photo 21: New flooring installed on Level 1 to replace rotted areas



Photo 22: New flooring installed and services roughed in on Level 1

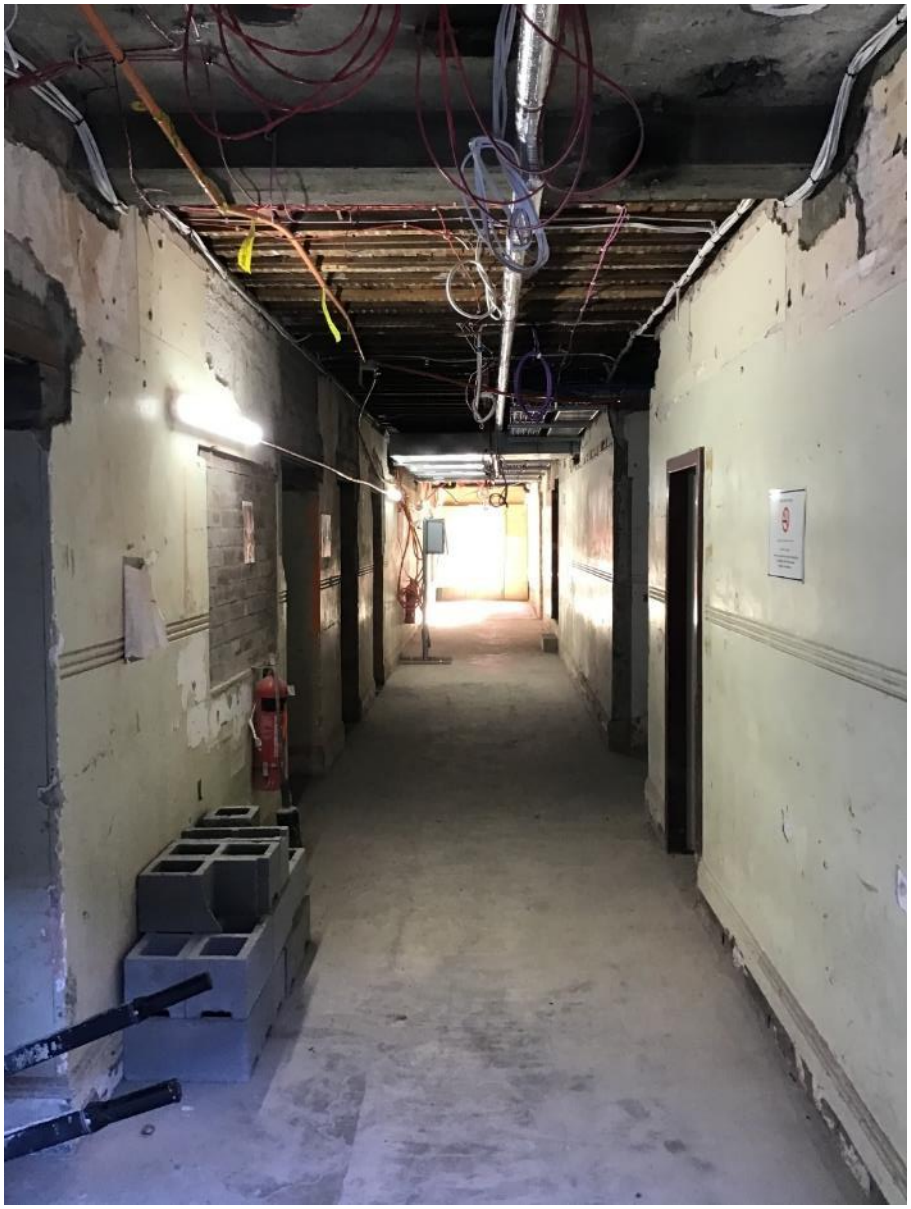


Photo 23: Services roughed in to Corridor looking West to Building A



Photo 24: Services roughed in to Corridor looking East to Building C



Photo 25: Services roughed in to L1 toilets



Photo 26: Services roughed in and new flooring installed to Lift Lobby Area



Photo 27: Mechanical plant installed to L1



Photo 28: Mechanical plant installed to L1



Photo 29: Services roughed in on Level 2 (temporary lunch room)



Photo 30: Services roughed in on Level 2 (temporary lunch room)



Photo 31: Services roughed in to L2 (temporary site meeting room)



Photo 32: Services roughed in to L2 Corridor looking West to Building A



Photo 33: View of Main Courtroom



Photo 34: View of Main Courtroom



Photo 35: Services roughed in and mechanical duct prepared for install in L2 Male Amenities



Photo 36: Timber framing and flooring to L2 Female Amenities showing mechanical duct ready for install



Photo 37: Framing to L2 Female Amenities

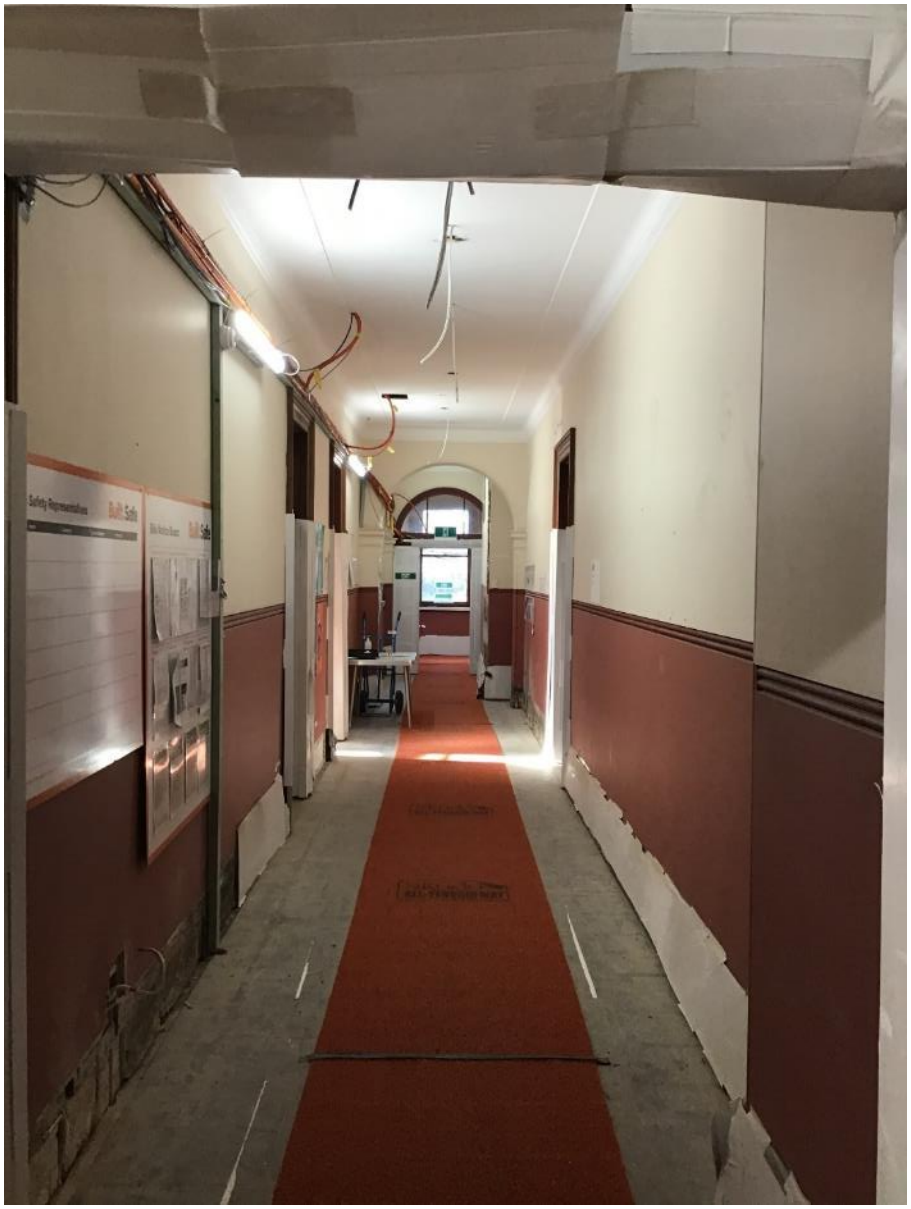


Photo 38: L2 Corridor looking to North to Main Entry showing electrical rough in



Photo 39: L2 Corridor looking to South



Photo 40: View looking East to L2 Foyer



Photo 41: View of Courthouse Entry



Photo 42: View of Courthouse Entry from Building C Scaffold

Building C – Residential



Photo 43: Overview of Building C taken on 01st August 2020 showing L1 ground slab being prepared



Photo 44: Overview of Building C taken on the first week of August 2020 showing L1 ground slab ready for pour



Photo 45: Overview of Building C taken on the second week of August 2020 showing L2 formwork tables



Photo 46: Overview of Building C taken on the third week of August 2020 showing L2 reinforcement and services



Photo 47: Overview of Building C taken on the 28th August 2020 showing L2 ready to be poured.



Photo 48: Lint & Grease Trap Tanks ready for install



Photo 49: Tanks being installed



Photo 50: Tanks being installed



Photo 51: Perimeter scaffold to Eastern elevation

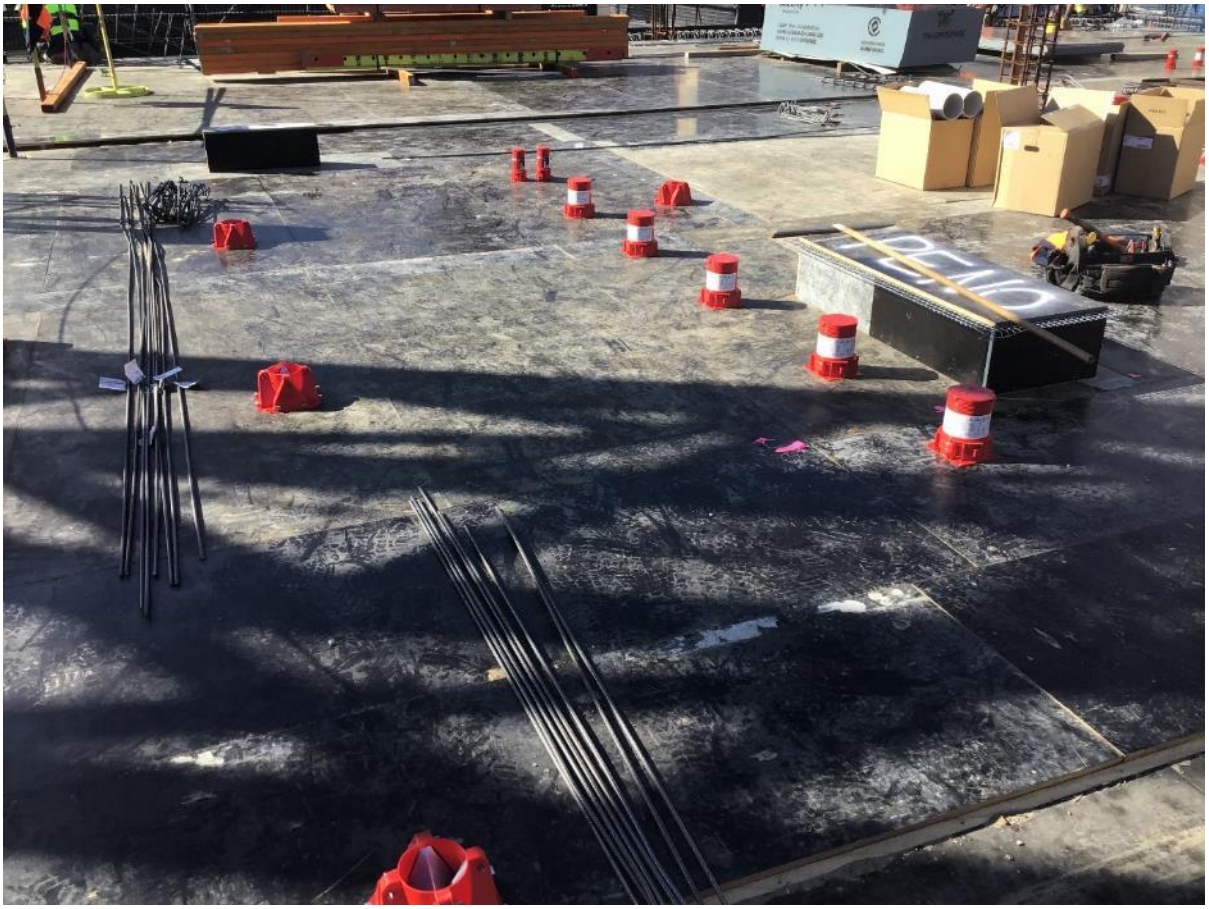


Photo 52: Hydraulic cast-in fire collars to L2 formwork deck



Photo 53: Atrium infill slabs poured & block outs for steel columns



Photo 54: Atrium infill slab poured showing sawn joints



Photo 55: View looking West across front of Building C



Photo 56: View looking South East of L2 deck ready to pour



Photo 57: View looking South of L2 deck ready to pour



Photo 58: View looking South West of L2 deck ready to pour



Photo 59: View looking South of Atrium infill slab showing perimeter scaffold

External



Photo 60: View of site from Church Street looking South West



Photo 61: View of site frontage looking West from Building C Gate



Photo 62: View of site from Church Street looking South



Photo 63: View of site & Building A Gate from Church Street looking South West



Photo 64: Main personnel entry gate



Photo 65: Building A Vehicle Gate

Appendix G – Green Star Pathway Status

Appendix H – Workflow Status

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SHOP DRAWINGS - COMPLETED - FOR CONSTRUCTION ISSUE

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pdf	895-1	Wallform details	C	For Construction	Structural	Climbform Engineering	18/08/2020	Shop Drawing
pdf	895-10	Stair C1 - Concrete outline & Formwork arrangement (Level 1 to Level 2)	F	For Construction	Structural	Climbform Engineering	18/08/2020	Shop Drawing
pdf	895-16	Stair C1 - Concrete outline & Formwork arrangement (Level 2 to Roof)	B	For Construction	Structural	Climbform Engineering	18/08/2020	Shop Drawing
pdf	895-20	Stair C2 - Concrete outlines & Formwork arrangement (Level 1 to Level 2)	E	For Construction	Structural	Climbform Engineering	18/08/2020	Shop Drawing
pdf	895-50	Stair A1 - Concrete outline & Formwork arrangement (Level 1 to Level 2)	C	For Construction	Structural	Climbform Engineering	26/08/2020	Shop Drawing
pdf	895-51	Stair A1 - Concrete outline & Formwork arrangement (Level 2 to Roof)	B	For Construction	Structural	Climbform Engineering	18/08/2020	Shop Drawing
pdf	895-52	Stair A1 - Section & Pour sequence	C	For Construction	Structural	Climbform Engineering	18/08/2020	Shop Drawing
pdf	895-60	Stair A2 - Concrete outlines & Formwork arrangment (Level 1 to Roof)	D	For Construction	Structural	Climbform Engineering	26/08/2020	Shop Drawing

pdf	895-61	Stair A2 - Section & Pour sequence (Level 1 to Roof)	D	For Construction	Structural	Climbform Engineering	26/08/2020	Shop Drawing
pdf	895-70	Shear walls SW1 & SW2 - Concrete outline & Formwork arrangement (Level 1 to Level 4)	B	For Construction	Structural	Climbform Engineering	26/08/2020	Shop Drawing
pdf	895-71	Shear walls SW1 & SW2 - Section & Pour sequence	B	For Construction	Structural	Climbform Engineering	26/08/2020	Shop Drawing
pdf	895-80	Shear wall SW3 - Concrete outline & Formwork arrangement (Level 1 to Roof)	B	For Construction	Structural	Climbform Engineering	26/08/2020	Shop Drawing
pdf	INPT19226-001	GENERAL NOTES	A	For Construction	Structural	Interspan Pty Ltd	14/08/2020	Shop Drawing
pdf	INPT19226-010	LEVEL 2 RESIDENTIAL SHEAR DETAILS	C	For Construction	Structural	Interspan Pty Ltd	14/08/2020	Shop Drawing
pdf	INPT19226-050	LEVEL 2 RESIDENTIAL SECTION DETAILS	C	For Construction	Structural	Interspan Pty Ltd	14/08/2020	Shop Drawing
pdf	INPT19226-1100	LEVEL 2 RESIDENTIAL GENERAL ARRANGEMENT PLAN	C	For Construction	Structural	Interspan Pty Ltd	14/08/2020	Shop Drawing
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pdf	INPT19226-1101	LEVEL 2 RESIDENTIAL POST TENSIONING PLAN	C	For Construction	Structural	Interspan Pty Ltd	14/08/2020	Shop Drawing

pdf	INPT19226-1102	LEVEL 2 RESIDENTIAL BOTTOM REINFORCEMENT PLAN	C	For Construction	Structural	Interspan Pty Ltd	14/08/2020	Shop Drawing
pdf	INPT19226-1103	LEVEL 2 RESIDENTIAL TOP REINFORCEMENT PLAN	C	For Construction	Structural	Interspan Pty Ltd	14/08/2020	Shop Drawing

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SHOP DRAWINGS TO BE AMENDED AND AWAITING FOR CONSTRUCTION ISSUE

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pdf	895-23	Stair C2 - Concrete outlines & Formwork arrangement (Level 2 to Roof)	A	Approved Subject to Comments	Structural	Climbform Engineering	07/08/2020	Shop Drawing
pdf	895-30	Lift C1 & C2 - Concrete ourlines & Formwork arrangement (Level 1 to Roof)	C	Approved Subject to Comments	Structural	Climbform Engineering	10/08/2020	Shop Drawing
pdf	895-40	Lift A1 - Concrete ourline & Formwork arrangement (Level 1 to Roof)	B	Approved Subject to Comments	Structural	Climbform Engineering	18/08/2020	Shop Drawing
pdf	895-BA-L2-TL	Education Building A Level 2 - Table layout	C	Approved Subject to Comments	Structural	Climbform Engineering	12/08/2020	Shop Drawing
pdf	895-BC-L2-CP	Residential Building C Level 2 - Concrete profile	B	Approved Subject to Comments	Structural	Climbform Engineering	10/08/2020	Shop Drawing
pdf	895-BC-L2-TL	Residential Building C Level 2 - Table layout	B	Approved	Structural	Climbform Engineering	10/08/2020	Shop Drawing
pdf	895-BC-L3-CP	Residential Building C Level 3 - Concrete profile	A	Approved Subject to Comments	Structural	Climbform Engineering	10/08/2020	Shop Drawing
pdf	895-BC-L3-TL	Residential Building C Level 3 - Table layout	B	Approved Subject to Comments	Structural	Climbform Engineering	10/08/2020	Shop Drawing

pdf	E1 For Approval Rev B	E1 For Approval Rev B	B	Approved Subject to Comments	Vertical Trans	KONE Elevators - NSW	12/08/2020	Shop Drawing
pdf	H-17 Syfonic - 3970-819V1 - EDU	H-17 Syfonic Mark-Up	1	Reviewed with Comments	Hydraulic	Gerrard Murphy (Drainage) Pty Limited	20/08/2020	Shop Drawing
pdf	H-25 Syfonic - 3970-819V1 - EDU	H-25 Syfonic Mark-Up	1	Reviewed with Comments	Hydraulic	Gerrard Murphy (Drainage) Pty Limited	20/08/2020	Shop Drawing
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pdf	INPT19226-051	LEVEL 3 RESIDENTIAL SECTION DETAILS	1	Approved Subject to Comments	Structural	Interspan Pty Ltd	13/08/2020	Shop Drawing
pdf	INPT19226-1200	LEVEL 3 RESIDENTIAL GENERAL ARRANGEMENT PLAN	1	Approved Subject to Comments	Structural	Interspan Pty Ltd	13/08/2020	Shop Drawing
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pdf	INPT19226-1201	LEVEL 3 RESIDENTIAL POST TENSIONING PLAN	1	Approved Subject to Comments	Structural	Interspan Pty Ltd	13/08/2020	Shop Drawing
pdf	INPT19226-1202	LEVEL 3 RESIDENTIAL BOTTOM REINFORCEMENT PLAN	1	Approved Subject to Comments	Structural	Interspan Pty Ltd	13/08/2020	Shop Drawing

pdf	INPT19226-1203	LEVEL 3 RESIDENTIAL TOP REINFORCEMENT PLAN	1	Approved Subject to Comments	Structural	Interspan Pty Ltd	13/08/2020	Shop Drawing
pdf	P2020007rev1	Syphonic Roof Water System	2	Reviewed with Comments	Hydraulic	Gerrard Murphy (Drainage) Pty Limited	20/08/2020	Shop Drawing
pdf	R2 For Approval Rev B	R2 For Approval Rev B	2	Approved Subject to Comments	Vertical Trans	KONE Elevators - NSW	23/07/2020	Shop Drawing
pdf	R3 For Approval Rev A	R3 For Approval Rev A	1	Approved Subject to Comments	Vertical Trans	KONE Elevators - NSW	23/07/2020	Shop Drawing
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pdf	895-BA-L3-CP	Building A - Level 3 - Concrete Profile	A	Issued for Review/Approval	Structural	Climbform Engineering	18/08/2020	Shop Drawing	Yes (workflow)	WF-00049
pdf	895-BC-L4-CP	Building C - Level 4 - Concrete Profile	A	Issued for Review/Approval	Structural	Climbform Engineering	18/08/2020	Shop Drawing	Yes (workflow)	WF-00048
pdf	895-BC-ROOF-CP	Building C - Roof - Concrete Profile	A	Issued for Review/Approval	Structural	Climbform Engineering	18/08/2020	Shop Drawing	Yes (workflow)	WF-00048
pdf	INPT19226-0000	Typical Shear Details	0	Issued for Review/Approval	Post Tensioni	Interspan Pty Ltd	20/08/2020	Shop Drawing	Yes (workflow)	WF-00052
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pdf	INPT19226-2101	LEVEL 2 EDUCATION POST TENSIONING PLAN	1	Issued for Review/Approval	Structural	Interspan Pty Ltd	14/08/2020	Shop Drawing	Yes (workflow)	WF-00046
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pdf	PD/MSB/REV2	Main switch board	1	Issued for Review/Approval	Electrical Sho	Mailec Electrical Pty Ltd	21/08/2020	Shop Drawing	Yes (workflow)	WF-00054

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SHOP DRAWINGS TO BE RESUBMITTED FOR APPROVAL

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pdf	8129-NIHON UNIVERSITY-SD-00	DRAWING SCHEDULE	A	Rejected	Architectural	Arcadia	24/08/2020	Shop Drawing	No
pdf	8129-NIHON UNIVERSITY-SD-01	LEVEL 01 FLOOR PLAN	A	Rejected	Architectural	Arcadia	24/08/2020	Shop Drawing	No
pdf	8129-NIHON UNIVERSITY-SD-02	LEVEL 03 FLOOR PLAN	A	Rejected	Architectural	Arcadia	24/08/2020	Shop Drawing	No
pdf	8129-NIHON UNIVERSITY-SD-03	LEVEL 04 FLOOR PLAN	A	Rejected	Architectural	Arcadia	24/08/2020	Shop Drawing	No
pdf	8129-NIHON UNIVERSITY-SD-04	ROOF LEVEL FLOOR PLAN	A	Rejected	Architectural	Arcadia	24/08/2020	Shop Drawing	No
pdf	8129-NIHON UNIVERSITY-SD-05	OVERALL NORTH & SOUTH ELEVATION	A	Rejected	Architectural	Arcadia	24/08/2020	Shop Drawing	No
pdf	8129-NIHON UNIVERSITY-SD-06	OUTER WEST & EAST ELEVATION	A	Rejected	Architectural	Arcadia	24/08/2020	Shop Drawing	No
pdf	8129-NIHON UNIVERSITY-SD-07	EXTERNAL SUNSCREENS NORTH ELEVATION - RESIDENTIAL	A	Rejected	Architectural	Arcadia	24/08/2020	Shop Drawing	No
pdf	8129-NIHON UNIVERSITY-SD-08	EXTERNAL SUNSCREENS NORTH ELEVATION - EDUCATIONAL	A	Rejected	Architectural	Arcadia	24/08/2020	Shop Drawing	No
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pdf	8129-NIHON UNIVERSITY-SD-19	ARCADIA HUSH® 300 ACOUSTIC LOUVRES DOOR DETAIL	A	Rejected	Architectural	Arcadia	24/08/2020	Shop Drawing	No
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pdf	895-10	Stair C1 - Concrete outline & Formwork arrangement (Level 1 to Level 2)	F	For Construction	Structural	Climbform Engineering	18/08/2020	Shop Drawing	No
pdf	895-16	Stair C1 - Concrete outline & Formwork arrangement (Level 2 to Roof)	B	For Construction	Structural	Climbform Engineering	18/08/2020	Shop Drawing	No
pdf	895-20	Stair C2 - Concrete outlines & Formwork arrangement (Level 1 to Level 2)	E	For Construction	Structural	Climbform Engineering	18/08/2020	Shop Drawing	No

pdf	895-23	Stair C2 - Concrete outlines & Formwork arrangement (Level 2 to Roof)	A	Approved Subject to Comments	Structural	Climbform Engineering	07/08/2020	Shop Drawing	No
pdf	895-30	Lift C1 & C2 - Concrete ourlines & Formwork arrangement (Level 1 to Roof)	C	Approved Subject to Comments	Structural	Climbform Engineering	10/08/2020	Shop Drawing	No
pdf	895-40	Lift A1 - Concrete ourline & Formwork arrangement (Level 1 to Roof)	B	Approved Subject to Comments	Structural	Climbform Engineering	18/08/2020	Shop Drawing	No
pdf	895-50	Stair A1 - Concrete outline & Formwork arrangement (Level 1 to Level 2)	C	For Construction	Structural	Climbform Engineering	26/08/2020	Shop Drawing	No
pdf	895-51	Stair A1 - Concrete outline & Formwork arrangement (Level 2 to Roof)	B	For Construction	Structural	Climbform Engineering	18/08/2020	Shop Drawing	No
pdf	895-52	Stair A1 - Section & Pour sequence	C	For Construction	Structural	Climbform Engineering	18/08/2020	Shop Drawing	No
pdf	895-60	Stair A2 - Concrete outlines & Formwork arrangment (Level 1 to Roof)	D	For Construction	Structural	Climbform Engineering	26/08/2020	Shop Drawing	No
pdf	895-61	Stair A2 - Section & Pour sequence (Level 1 to Roof)	D	For Construction	Structural	Climbform Engineering	26/08/2020	Shop Drawing	No
pdf	895-70	Shear walls SW1 & SW2 - Concrete outline & Formwork arrangement (Level 1 to Level 4)	B	For Construction	Structural	Climbform Engineering	26/08/2020	Shop Drawing	No
pdf	895-71	Shear walls SW1 & SW2 - Section & Pour sequence	B	For Construction	Structural	Climbform Engineering	26/08/2020	Shop Drawing	No

pdf	895-80	Shear wall SW3 - Concrete outline & Formwork arrangement (Level 1 to Roof)	B	For Construction	Structural	Climbform Engineering	26/08/2020	Shop Drawing	No
pdf	895-BA-L2-CP	Education Building A Level 2 - Concrete profile	A	Not Approved Revise & Resubmit as Noted	Structural	Climbform Engineering	04/08/2020	Shop Drawing	No
pdf	895-BA-L2-TL	Education Building A Level 2 - Table layout	C	Approved Subject to Comments	Structural	Climbform Engineering	12/08/2020	Shop Drawing	No
pdf	895-BC-L2-CP	Residential Building C Level 2 - Concrete profile	B	Approved Subject to Comments	Structural	Climbform Engineering	10/08/2020	Shop Drawing	No
pdf	895-BC-L2-TL	Residential Building C Level 2 - Table layout	B	Approved	Structural	Climbform Engineering	10/08/2020	Shop Drawing	No
pdf	895-BC-L3-CP	Residential Building C Level 3 - Concrete profile	A	Approved Subject to Comments	Structural	Climbform Engineering	10/08/2020	Shop Drawing	No
pdf	895-BC-L3-TL	Residential Building C Level 3 - Table layout	B	Approved Subject to Comments	Structural	Climbform Engineering	10/08/2020	Shop Drawing	No
pdf	E1 For Approval Rev A	E1 For Approval Rev A	1	Rejected	Vertical Trans	KONE Elevators - NSW	14/07/2020	Shop Drawing	No
pdf	E1 For Approval Rev B	E1 For Approval Rev B	B	Approved Subject to Comments	Vertical Trans	KONE Elevators - NSW	12/08/2020	Shop Drawing	No
pdf	E1 For Approval Rev C	E1 For Approval Rev C	C	For Review	Vertical Trans	KONE Elevators - NSW	14/08/2020	Shop Drawing	No
pdf	E1 Prelim Rev 02	E1 Prelim Rev 02	2	Preliminary	Vertical Trans	KONE Elevators - NSW	29/06/2020	Shop Drawing	No
pdf	GU39641-5	RB150 lift specification	6	For Review	Vertical Trans	Lifts 4 Life P/L	20/08/2020	Shop Drawing	No
pdf	H-17 Syfonic - 3970-819V1 - EDU	H-17 Syfonic Mark-Up	1	Reviewed with Comments	Hydraulic	Gerrard Murphy (Drainage) Pty Limited	20/08/2020	Shop Drawing	No
pdf	H-25 Syfonic - 3970-819V1 - EDU	H-25 Syfonic Mark-Up	1	Reviewed with Comments	Hydraulic	Gerrard Murphy (Drainage) Pty Limited	20/08/2020	Shop Drawing	No

pdf	H-27 Syfonic - 3970-819V1 - RES	H-27 Syfonic Mark-Up	1	Reviewed with Comments	Hydraulic	Gerrard Murphy (Drainage) Pty Limited	20/08/2020	Shop Drawing	No
pdf	INPT19226-001	GENERAL NOTES	A	For Construction	Structural	Interspan Pty Ltd	14/08/2020	Shop Drawing	No
pdf	INPT19226-010	LEVEL 2 RESIDENTIAL SHEAR DETAILS	C	For Construction	Structural	Interspan Pty Ltd	14/08/2020	Shop Drawing	No
pdf	INPT19226-012	LEVEL 4 RESIDENTIAL SHEAR DETAILS	1	Rejected	Structural	Interspan Pty Ltd	18/08/2020	Shop Drawing	No
pdf	INPT19226-013	ROOF RESIDENTIAL SHEAR DETAILS	1	Rejected	Post Tensioni	Interspan Pty Ltd	25/08/2020	Shop Drawing	No
pdf	INPT19226-020	LEVEL 3 RESIDENTIAL SHEAR DETAILS SHEET 1 OF 2	1	Approved Subject to Comments	Structural	Interspan Pty Ltd	13/08/2020	Shop Drawing	No
pdf	INPT19226-050	LEVEL 2 RESIDENTIAL SECTION DETAILS	C	For Construction	Structural	Interspan Pty Ltd	14/08/2020	Shop Drawing	No
pdf	INPT19226-051	LEVEL 3 RESIDENTIAL SECTION DETAILS	1	Approved Subject to Comments	Structural	Interspan Pty Ltd	13/08/2020	Shop Drawing	No
pdf	INPT19226-052	LEVEL 4 RESIDENTIAL SECTION DETAILS	1	Rejected	Structural	Interspan Pty Ltd	18/08/2020	Shop Drawing	No
pdf	INPT19226-053	ROOF RESIDENTIAL SECTION DETAILS	1	Rejected	Post Tensioni	Interspan Pty Ltd	25/08/2020	Shop Drawing	No
pdf	INPT19226-1100	LEVEL 2 RESIDENTIAL GENERAL ARRANGEMENT PLAN	C	For Construction	Structural	Interspan Pty Ltd	14/08/2020	Shop Drawing	No
dwg	INPT19226-1100-DWG	LEVEL 2 RESIDENTIAL GENERAL ARRANGEMENT PLAN	C	For Construction	Structural	Interspan Pty Ltd	14/08/2020	Shop Drawing	No
pdf	INPT19226-1101	LEVEL 2 RESIDENTIAL POST TENSIONING PLAN	C	For Construction	Structural	Interspan Pty Ltd	14/08/2020	Shop Drawing	No

pdf	INPT19226-1102	LEVEL 2 RESIDENTIAL BOTTOM REINFORCEMENT PLAN	C	For Construction	Structural	Interspan Pty Ltd	14/08/2020	Shop Drawing	No
pdf	INPT19226-1103	LEVEL 2 RESIDENTIAL TOP REINFORCEMENT PLAN	C	For Construction	Structural	Interspan Pty Ltd	14/08/2020	Shop Drawing	No
pdf	INPT19226-1200	LEVEL 3 RESIDENTIAL GENERAL ARRANGEMENT PLAN	1	Approved Subject to Comments	Structural	Interspan Pty Ltd	13/08/2020	Shop Drawing	No
dwg	INPT19226-1200-DWG	LEVEL 3 RESIDENTIAL GENERAL ARRANGEMENT PLAN	1	Approved Subject to Comments	Structural	Interspan Pty Ltd	13/08/2020	Shop Drawing	No
pdf	INPT19226-1201	LEVEL 3 RESIDENTIAL POST TENSIONING PLAN	1	Approved Subject to Comments	Structural	Interspan Pty Ltd	13/08/2020	Shop Drawing	No
pdf	INPT19226-1202	LEVEL 3 RESIDENTIAL BOTTOM REINFORCEMENT PLAN	1	Approved Subject to Comments	Structural	Interspan Pty Ltd	13/08/2020	Shop Drawing	No
pdf	INPT19226-1203	LEVEL 3 RESIDENTIAL TOP REINFORCEMENT PLAN	1	Approved Subject to Comments	Structural	Interspan Pty Ltd	13/08/2020	Shop Drawing	No
pdf	INPT19226-1300	LEVEL 4 RESIDENTIAL GENERAL ARRANGEMENT PLAN	1	Rejected	Structural	Interspan Pty Ltd	18/08/2020	Shop Drawing	No
dwg	INPT19226-1300-DWG	LEVEL 4 RESIDENTIAL GENERAL ARRANGEMENT PLAN	1	Rejected	Structural	Interspan Pty Ltd	18/08/2020	Shop Drawing	No

pdf	INPT19226-1301	LEVEL 4 RESIDENTIAL POST TENSIONING PLAN	1	Rejected	Structural	Interspan Pty Ltd	18/08/2020	Shop Drawing	No
pdf	INPT19226-1302	LEVEL 4 RESIDENTIAL BOTTOM REINFORCEMENT PLAN	1	Rejected	Structural	Interspan Pty Ltd	18/08/2020	Shop Drawing	No
pdf	INPT19226-1303	LEVEL 4 RESIDENTIAL TOP REINFORCEMENT PLAN	1	Rejected	Structural	Interspan Pty Ltd	18/08/2020	Shop Drawing	No
pdf	INPT19226-1400	ROOF RESIDENTIAL GENERAL ARRANGEMENT PLAN	1	Rejected	Post Tensioni	Interspan Pty Ltd	25/08/2020	Shop Drawing	No
dwg	INPT19226-1400-DWG	ROOF RESIDENTIAL GENERAL ARRANGEMENT PLAN	1	Rejected	Post Tensioni	Interspan Pty Ltd	25/08/2020	Shop Drawing	No
pdf	INPT19226-1401	ROOF RESIDENTIAL POST TENSIONING PLAN	1	Rejected	Post Tensioni	Interspan Pty Ltd	25/08/2020	Shop Drawing	No
pdf	INPT19226-1402	ROOF RESIDENTIAL BOTTOM REINFORCEMENT PLAN	1	Rejected	Post Tensioni	Interspan Pty Ltd	25/08/2020	Shop Drawing	No
pdf	INPT19226-1403	ROOF RESIDENTIAL TOP REINFORCEMENT PLAN	1	Rejected	Post Tensioni	Interspan Pty Ltd	25/08/2020	Shop Drawing	No
pdf	MechEducationEqu	Education Building Equipment Schedule	1	Issued for Review/Approval	Mechanical	Coles	24/08/2020	Shop Drawing	No
pdf	MechExiEquSchedule	Existing Building Equipment Schedule	1	Issued for Review/Approval	Mechanical	Coles	24/08/2020	Shop Drawing	No
pdf	MechResnEqu	Residential Building Equipment Schedule	1	Issued for Review/Approval	Mechanical	Coles	24/08/2020	Shop Drawing	No

pdf	P2020007rev1	Syphonic Roof Water System	2	Reviewed with Comments	Hydraulic	Gerrard Murphy (Drainage) Pty Limited	20/08/2020	Shop Drawing	No
pdf	QT03630-2	Exhaust hood Drawing	2	For Review	Kitchen	J&H Commercial Services	24/08/2020	Shop Drawing	No
pdf	R2 For Approval Rev B	R2 For Approval Rev B	2	Approved Subject to Comments	Vertical Trans	KONE Elevators - NSW	23/07/2020	Shop Drawing	No
pdf	R2 Prelim Rev 02	R2 Prelim Rev 02	2	Preliminary	Vertical Trans	KONE Elevators - NSW	29/06/2020	Shop Drawing	No
pdf	R3 For Approval Rev A	R3 For Approval Rev A	1	Approved Subject to Comments	Vertical Trans	KONE Elevators - NSW	23/07/2020	Shop Drawing	No
pdf	R3 Prelim Rev 02	R3 Prelim Rev 02	2	Preliminary	Vertical Trans	KONE Elevators - NSW	29/06/2020	Shop Drawing	No
pdf	TMV_RLS_dwp-AR-A704-PDF_8	TMV Locations	0	Reviewed with Comments	Hydraulic	Gerrard Murphy (Drainage) Pty Limited	20/08/2020	Shop Drawing	No
pdf	TMV_RLS_dwp-AR-A710-PDF_7	TMV Locations	0	Reviewed with Comments	Hydraulic	Gerrard Murphy (Drainage) Pty Limited	20/08/2020	Shop Drawing	No
pdf	TMV_RLS_dwp-AR-A735-PDF_9	TMV Locations	0	Reviewed with Comments	Hydraulic	Gerrard Murphy (Drainage) Pty Limited	20/08/2020	Shop Drawing	No
pdf	TMV_RLS_dwp-AR-A740-PDF_9	TMV Locations	0	Reviewed with Comments	Hydraulic	Gerrard Murphy (Drainage) Pty Limited	20/08/2020	Shop Drawing	No
pdf	TMV_RLS_dwp-AR-A768-PDF	TMV Locations	0	Reviewed with Comments	Hydraulic	Gerrard Murphy (Drainage) Pty Limited	20/08/2020	Shop Drawing	No
pdf	TMV_RLS_dwp-AR-A769-PDF	TMV Locations	0	Reviewed with Comments	Hydraulic	Gerrard Murphy (Drainage) Pty Limited	20/08/2020	Shop Drawing	No
pdf	TMV_RLS_dwp-AR-A770-PDF	TMV Locations	0	Reviewed with Comments	Hydraulic	Gerrard Murphy (Drainage) Pty Limited	20/08/2020	Shop Drawing	No
pdf	TMV_RLS_dwp-AR-A772-PDF	TMV Locations	0	Reviewed with Comments	Hydraulic	Gerrard Murphy (Drainage) Pty Limited	20/08/2020	Shop Drawing	No

pdf	TMV_RLS_dwp-AR-A773-PDF	TMV Locations	0	Reviewed with Comments	Hydraulic	Gerrard Murphy (Drainage) Pty Limited	20/08/2020	Shop Drawing	No
pdf	TMV_RLS_dwp-AR-A774-PDF	TMV Locations	0	Reviewed with Comments	Hydraulic	Gerrard Murphy (Drainage) Pty Limited	20/08/2020	Shop Drawing	No
pdf	TMV_RLS_dwp-AR-A776-PDF	TMV Locations	0	Reviewed with Comments	Hydraulic	Gerrard Murphy (Drainage) Pty Limited	20/08/2020	Shop Drawing	No
pdf	TMV_RLS_dwp-AR-A779-PDF	TMV Locations	0	Reviewed with Comments	Hydraulic	Gerrard Murphy (Drainage) Pty Limited	20/08/2020	Shop Drawing	No
pdf	TMV_RLS_dwp-AR-A780-PDF	TMV Locations	0	Reviewed with Comments	Hydraulic	Gerrard Murphy (Drainage) Pty Limited	20/08/2020	Shop Drawing	No
pdf	TMV_RLS_dwp-AR-A781-PDF	TMV Locations	0	Reviewed with Comments	Hydraulic	Gerrard Murphy (Drainage) Pty Limited	20/08/2020	Shop Drawing	No
pdf	UA476-20	Nihon Mechanical Fan Schedules	1	Issued for Review/Approval	Mechanical	Coles	24/08/2020	Shop Drawing	No

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	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				✓	GHD Audit 02 - Compliant
	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	✓				Submitted to Planning Secretary with acknowledgment of receipt from DoP 18/02/20 noting no further comment at this time
A10	A Staging Report prepared in accordance with condition A9 must: (a) if staged construction is proposed, set out how the construction of the whole of the project will be staged, including details of work and other activities to be carried out in each stage and the general timing of when construction of each stage will commence and finish; (b) if staged operation is proposed, set out how the operation of the whole of the project will be staged, including details of work and other activities to be carried out in each stage and the general timing of when operation of each stage will commence and finish (if relevant); (c) specify how compliance with conditions will be achieved across and between each of the stages of the project; and (d) set out mechanisms for managing any cumulative impacts arising from the proposed staging.									Submitted to Planning Secretary
	[i] The Built construction staging triggers this condition - Planning Secretary to be advised		**Note**	**dwp**	31-Jan-20					
	[ii] Nihon is not planning a staged operation - no action required - no staging documentation to be forwarded to the Planning Sectretary	**Note**		**dwp**	31-Jan-20					
A11	Where staging is proposed, the project must be staged in accordance with the Staging Report, as submitted to the Planning Secretary.	Note	Note							Noted
A12	Where staging is proposed, the terms of this approval that apply or are relevant to the works or activities to be carried out in a specific stage must be complied with at the relevant time for that stage.	Note	Note							Noted
	Staging, Combining and Updating Strategies, Plans or Programs									
A13	With the approval of the Planning Secretary, the Applicant may: (a) prepare and submit any strategy, plan (including management plan, architectural or design plan) or program required by this consent on a staged basis (if a clear description is provided as to the specific stage and scope of the development to which the strategy, plan (including management plan, architectural or design plan) or program applies, the relationship of the stage to any future stages and the trigger for updating the strategy, plan (including management plan, architectural or design plan) or program); (b) combine any strategy, plan (including management plan, architectural or design plan), or program required by this consent (if a clear relationship is demonstrated between the strategies, plans (including management plan, architectural or design plan) or programs that are proposed to be combined); and (c) update any strategy, plan (including management plan, architectural or design plan), or program required by this consent (to ensure the strategies, plans (including management plan, architectural or design plan), or programs required under this consent are updated on a regular basis and incorporate additional measures or amendments to improve the environmental performance of the development).	Note	Note			✓				Submitted to Planning Secretary
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	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	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									

	SSD 9787 - FINAL CONDITIONS | SCHEDULE 2 MATRIX	Responsibility		Relevent Consultant/s	Date Addressed	CC # 1	CC # 2	CC # 3	Aug-20	Status
		Owner	Contractor							
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**						
	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							Noted
A27	Subsequent notification must be given and reports submitted in accordance with the requirements set out in **Appendix 2.**	Note	Note							
	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									

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		Owner	Contractor							
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.
	[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**					

	SSD 9787 - FINAL CONDITIONS | SCHEDULE 2 MATRIX	Responsibility		Relevent Consultant/s	Date Addressed	CC # 1	CC # 2	CC # 3	Aug-20	Status
		Owner	Contractor							
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									
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

	SSD 9787 - FINAL CONDITIONS | SCHEDULE 2 MATRIX	Responsibility		Relevent Consultant/s	Date Addressed	CC # 1	CC # 2	CC # 3	Aug-20	Status
		Owner	Contractor							
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					
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**						

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		Owner	Contractor							
	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									
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**

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		Owner	Contractor							
	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.									GHD Audit 02 identified non-conformance in relation to Condition C8(a)(i) & extended working hours. This has been rectified and closed out
	[i] Monitoring of compliance with management plans		**Built**							**Ongoing**
	Construction Traffic									
D9	All construction vehicles (excluding site personnel vehicles) are to be contained wholly within the site, except if located in an approved on-street work zone, and vehicles must enter the site before stopping.		**Built**						✓	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
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									

	SSD 9787 - FINAL CONDITIONS | SCHEDULE 2 MATRIX	Responsibility		Relevent Consultant/s	Date Addressed	CC # 1	CC # 2	CC # 3	Aug-20	Status
		Owner	Contractor							
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						Not triggered
	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 completed on 25th & 26th August 2020. Draft report pending.
	[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**						

	SSD 9787 - FINAL CONDITIONS | SCHEDULE 2 MATRIX	Responsibility		Relevent Consultant/s	Date Addressed	CC # 1	CC # 2	CC # 3	Aug-20	Status
		Owner	Contractor							
D33	Requirements (Department 2018), the Applicant must: (a) review and respond to each Independent Audit Report prepared under condition D30 of this consent; (b) submit the response to the Planning Secretary and the Certifier; and (c) make each Independent Audit Report and response to it publicly available 60 days after submission to the Planning Secretary and notify the Planning Secretary and the Certifier in writing at least seven days before this is done.									Noted
	[i] Response required to each independent audit - Planning Secretary and the Certifier notified	**Nihon**	**Built**	**Azusa | dwp**						
D34	Notwithstanding the requirements of the Independent Audit Post Approval Requirements (Department 2018), the Planning Secretary may approve a request for ongoing annual operational audits to be ceased, where it has been demonstrated to the Planning Secretary's satisfaction that an audit has demonstrated operational compliance.	Note	Note							Noted

NB Rows for post PC hidden above

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

AUGUST 2020

Towards a Sustainable Future

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

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

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

1. OVERVIEW

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.

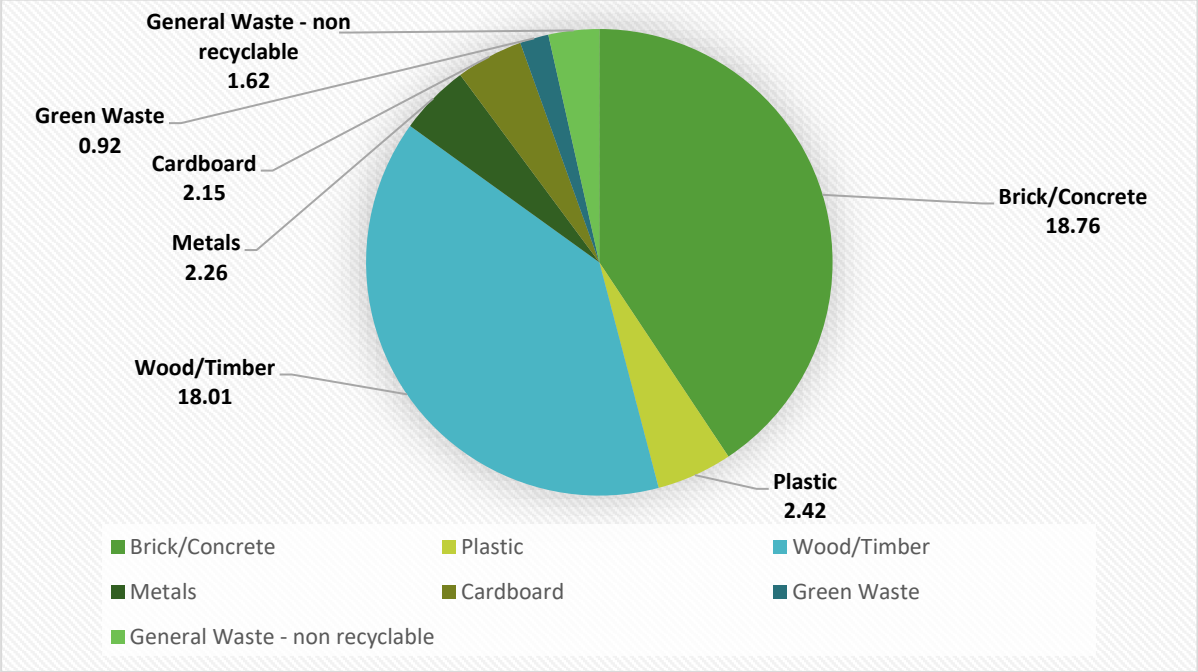
Materials were free of contamination by food or other organic matter which assists in recovery rates, however, non-recoverable/difficult material such as plastics, etc. were found and disposed of as per local regulations.

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)	46.14
Total Recovered (Tonnes)	42.10
Total Recovery Percentage	91.24%

RESOURCE TYPE	TONNES RECOVERED	PERCENTAGE
WOOD/TIMBER	18.01	39.03%
BRICK/CONCRETE	18.76	40.66%
METALS	2.26	4.90%
PLASTICS	2.42	5.24%
CARDBOARD	2.15	4.66%
GREEN WASTE	0.92	1.99%
GENERAL WASTE (NON RECYCLABLE)	1.62	3.51%



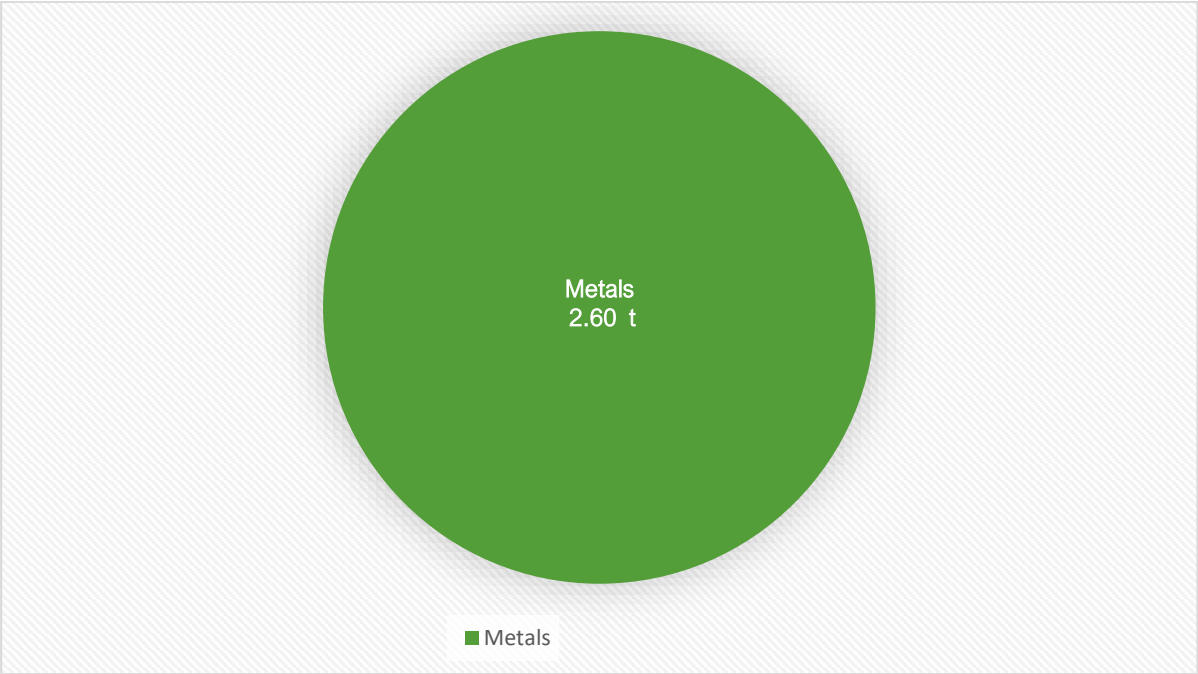
3. OTHER FACILITIES - RECOVERABLE MATERIALS MONTHLY BREAKDOWN

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

- Metals – Sell & Parker

MONTHLY BREAKDOWN	
Total Amount Received (Tonnes)	2.60
Total Recovered (Tonnes)	2.60
Total Recovery Percentage	100%

METALS	2.60



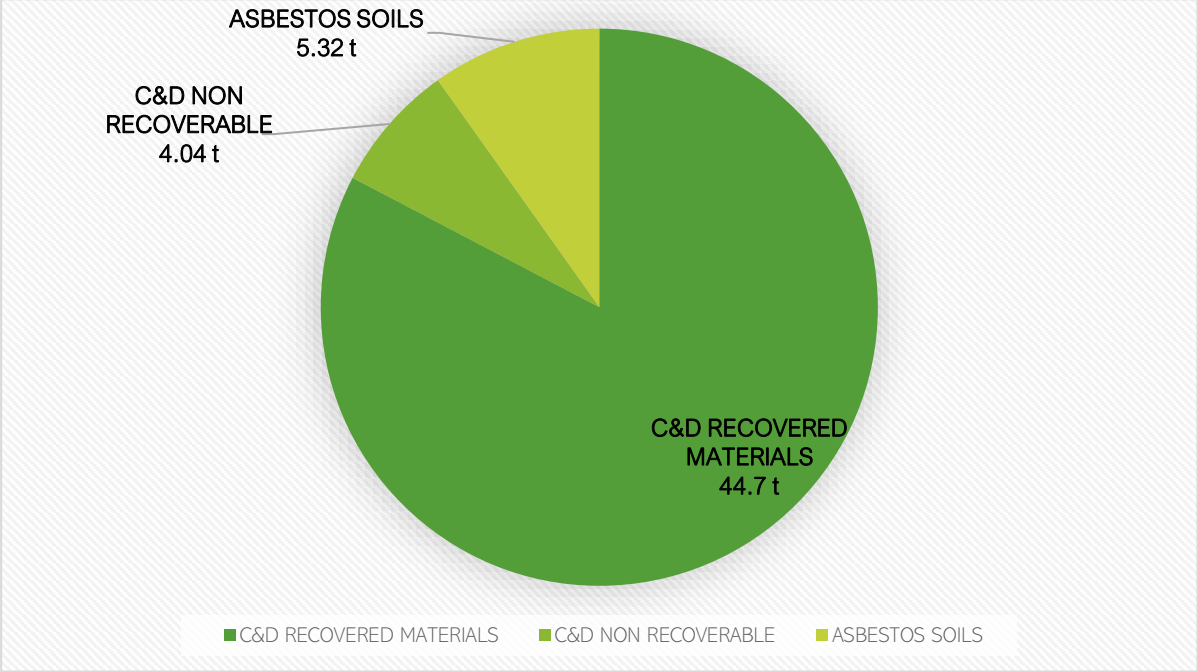
4. RECOVERY SUMMARY

MONTHLY BREAKDOWN	CWS	OTHER FACILITIES (material specific)	TOTAL
Total Amount Received (Tonnes)	46.14	2.60	48.74
Total Recovered (Tonnes)	42.10	2.60	44.70
C&D Non-Recoverable Percentage	8.76%	0%	8.29%
Total Recovery Percentage	91.24%	100%	91.71%

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

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

RESOURCE TYPE	TONNES
C&D RECOVERED MATERIALS	44.70
C&D NON RECOVERABLE	4.04
ASBESTOS SOILS	5.32



CENTRAL WASTE STATION

DRUMDERG SERVICES

NIHON UNIVERSITY

RESOURCE RECOVERY REPORT

AUGUST 2020

Towards a Sustainable Future

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

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

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

1. OVERVIEW

For the month of August, 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 August, 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	1383.92

