

CONSTRUCTION MANAGEMENT PLAN

Key Workers Accommodation

for NSW Health Infrastructure
10 January 2024 / Revision - C]

176 Thomas Street, Broken Hill, NSW, 2880



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Project Organisational Chart

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Site Layout Plan

1. Introduction

1.1 Introduction

This Construction Management Plan has been prepared to demonstrate the controls and logistical strategy of the works for The Key Workers Accommodation Program Wide Contractor project for NSW Health Infrastructure.

It is understood that this plan will be forwarded to relevant stakeholders for review, in order to understand the potential impacts relating to the project. The site is located at 176 Thomas Street, Broken Hill NSW 2880

Please note that due to the scale and nature of the project issues may arise that haven't been expressly advised within this management plan. As such, Hutchinson Builders will advise Mostyn Copper and other relevant stakeholders of any changes to the details noted below.

Should you require any further information, please do not hesitate to contact the following Hutchinson Builders representatives:

Project Manager	Rian Cherry	0457 521 389;	rian.cherry@hutchinsonbuilders.com.au
Site Manager	Mal Campbell	0408 776 436;	mal.campbell@hutchinsonbuilders.com.au

In the event of a 24-hour emergency please call the contacts noted above.

1.2 Site Details

Name	Key Workers Accommodation
Address	176 Thomas Street, Broken Hill NSW 2880
RP	3751/-/DP757298



2. Construction

2.1 Scope of Works

Key Workers Accommodation is located at 176 Thomas Street, Broken Hill. This project entails construction of a new modular two storey accommodation units for health workers within the hospital grounds.

The objective of this project is to deliver and install modern, well-equipped, self-contained, modular accommodation units. These units will be used for short term and long term housing accommodation for health workers in the region.

2.2 Construction Team and Contacts

A complete project organizational chart for the project is available and is provided in **Appendix 4**; this will show all communication channels between the Hutchinson Builders construction team and internal/external stakeholders.

All gates and entry/exit points to work fronts will have signage installed according to legislation. These signs will also contain project information and emergency contact details.

2.3 Construction Sequence

The construction period will be completed in various phases. The main construction process will be as follows:

- **Offsite Manufacture**
 - The construction of these two storeys modules will be completed in the Hutchinson Builders Toowoomba yard, including the completion of the internal fit-out where possible prior to being wrapped ready for transportation.
- **Site Establishment**
 - To commence the site establishment works, Hutchinson Builders will undertake a dilapidation service and install temporary fencing, sediment control and building / construction signage in accordance with legislation requirements.
 - These works will also include the preparation of a laydown area and the removal of any vegetation requirements in preparation for the commencing of the civil / foundation works.
- **Modular Installation**
 - The installation works will commence prior to the modulars being delivered to site with the coordination of the services and installation of foundation piers / fire separation requirements.
 - Once the pre-delivery works have been completed the modulars will be landed and connected to the substructure. The modules will complete any finalisation works for the fit-off and the surrounding. ancillary works.
- **Certification and Handover**
 - At the completion of the fit-off / connection works, the modules will be commissioned, cleaned and prepped for handover including the coordination of all required regulatory certification and testing certificates.

A detailed sequencing plan is included at the rear of this document in **Appendix 2**.

2.4 Site Hours

Generally, the hours of operation and site activities will be in accordance with the Broken Hill City Council requirements. Any changes to these times will be through Broken Hill City Council and the appropriate applications and approvals in consultation with Specialised Property Consulting.

2.4.1 Proposed working times

Monday – Friday	7 am to 6 pm
Saturday:	8 am to 1pm
Sunday:	No Work
Public Holidays:	No Work

2.4.2 Out of Hours Work

Hutchinson Builders will make every endeavour to complete the works during normal working hours, however out of hours works are likely to be triggered by events outside of the control of Hutchinson Builders such as road closure permits or works in a public space. Where out of hours works are likely to occur, Hutchinson Builders will notify and coordinate the works with the relevant bodies to ensure minimal disruptions.

2.5 Construction Methodology & Engineering

Hutchinson Builders will develop all required engineering details and methodologies in conjunction with the client, design team and relevant local authorities.

This will include specific details regarding:

- A review of all documentation by the client representative & their consultant team.
- Specific engineered details for the construction of the works which includes all temporary engineering required to successfully and safely deliver both stages of the project.
- Traffic & pedestrian guidance schemes where relevant.
- Detailed construction and look ahead programs.

3. Site Establishment

3.1 Site Establishment

3.1.1 Dilapidation Report

In preparation for the possession of site, a dilapidation report of the site will be completed prior to any demolition, clearing or construction activities commencing onsite. The dilapidation report will be an important reference for all parties due to the close proximity of existing buildings and infrastructure.

3.1.2 Site Compound

Hutchinson Builders will always use a combination of safety measures to protect the public and construction workers.

During any external works, the site will be secured with the use of temporary fencing panels, hoarding and scaffolding. Specific solutions will be adopted depending on the type of activities and level of potential risk to site employees and the general public.

Hoarding and fencing solutions will be used to secure and to separate the site from the operational environment as well as the general public on all required boundaries. Directional signage will be fitted to the temporary fencing, where required notifying the public of entry points both to and around the site.

3.1.3 Site Access, Site Office and Amenities

The main construction site access entrance and exit points will be clearly signed for all subcontractors and suppliers. Information regarding the access, including clear instructions and guideline, will be provided to all contractors prior to their commencement onsite. Suppliers and Deliveries will be provided instructions for deliverables to the construction site upon the placement of an order.

The site office, amenities and storage areas will be positioned in accordance with the provided site layout plan located in **Appendix 5**. This positioning will ensure all required works to be carried out without the requirement to relocate the buildings during the construction works.

3.2 Site Services

Prior to any construction activities commencing, Hutchinson Builders have accessed “Dial-Before-You-Dig” plans and will carry out a location of the services within the vicinity of the works. If any hazards are identified, a risk assessment and control measures will be implemented, eliminating the likelihood of any incident occurring. Generally, work permits within existing services are necessary or the DBYD plans are included as part of the permits to work within the relevant work areas.

3.3 Construction Zones

Where construction activities are anticipated to extend into or require the use of the public footpaths, all necessary applications will be made to Broken Hill City Council prior to commencement of the construction activity.

Construction activities will impact on Morgan Street, and internal roads of the hospital, all activities where public impacts area anticipated will be with approval from Broken Hill City Council and the respective authorities.

4. Traffic Management & Materials Handling

4.1 Deliveries & Vehicular Movement Routes

Deliveries will be scheduled in advance and coordinated daily with the Hutchinson Builders Site Manager. Deliveries will be limited to body trucks only and will be reversing in from Morgan Street. Spotters will be present during these times to ensure seamless logistical management. The delivery times will be managed during the entire construction process. Traffic control will only be present on an as need basis. Cautionary signage will be installed in strategic locations ensuring public notification.

4.2 Pedestrian traffic

Pedestrian redirection will not be required on this project as we have developed a means of control when deliveries are coordinated on site. In short deliveries reversing in off Morgan Street, will be controlled by skilled Hutchies site team members and highly communicated with all relevant stakeholders.

We will ensure clear communication of traffic requirements on site – shared spaces including roads, footpaths, loading docks and use of general and larger service lifts, designated parking areas, etc, and specify expectations regarding deliveries, including timing, and the types of vehicles to be used.

All access to the site will be secured from the public.

4.3 Rubbish Removal, Sorting and Recycling

Rubbish and waste generated during the construction period will be transported in skip bins and accessed via internal hospital roads off Morgan Street.

4.4 Site Parking

Parking available on Morgan Street and all surrounding street will be utilised for all subcontractor parking as parking on the hospital ground are to remain available to hospital patrons during the project.

5. Environmental Management

5.1 Environmental Management

Hutchinson Builders will prepare a detailed HSE & Environmental management plan prior to the commencement of works. These reports include the development and implementation of Hutchinson Builders environmental systems which is certified ISO14001.

The purpose of this Environmental Management Plan is to:

- Identify the environmental issues (aspects and impacts) for this project.
- Establish, communicate & implement environmental operational controls to reduce any adverse impacts on the environment from the company's activities, products, and services.
- Ensure compliance by Hutchinson Builders and its suppliers & Subcontractors with all relevant environmental Legislation, any applicable license, approval and permit, regulatory requirements, and this EMP.

- Ensure that works are managed to reduce adverse impacts on the environment.
- Action any outcomes from incidents or accidents, project audits or other identified non-conformances and to continually improve the Environmental Management System

5.2 Aspect and Impacts

Erosion and Sediment Control

The erosion & sediment risk is considered low to medium. As part of our site establishment processes all aspects of the project are reviewed to minimize/negate on-site erosion or sediment effect of storm water. Erosion and Sediment control plan detailed at **Appendix 3**.

Hutchinson Builders acknowledge the requirement to produce a detailed Erosion and Sediment Control (ESC) program for the site, compliant with Councils erosion and sediment control standard (version 9 or later). Noting the Guideline within item 7 (7a & 7b) states "The Erosion & Sediment Control Management Plan is not required to be submitted to council for endorsement"

Where applicable the following controls will be implemented:

- A suitable washout facility will be provided onsite for the cleaning of painting & plastering trades tools.
- Silt socks will be fitted to all drains to control run off
- Mesh will be fitted to all drains where there is a risk of debris present
- Curbs and gutters will have sediment control measure installed incrementally to control any water flow onsite during heavy downfall.
- Entry and exit to site will have adequate management and control measures.
- A chemical and hazardous materials spill kit will be kept onsite at all times.
- Storage of chemical and hazardous materials (for example diesel fuel) will be in a designated and isolated area with adequate controls.

Hutchinson Builders will complete and comply with all local council documentation, fact sheets and guidelines.

In the event of a complaint, Hutchinson Builders will implement a clear communication system and will review & analyse the cause of the complaint, then introducing new controls in order to prevent a reoccurrence of the problem.

Dust Control:

Hutchinson Builders recognises the importance of ensuring that there is no impact from construction materials or processes on internal footpaths, residents, staff, or the public. This project contains demolition which can create dust or environmental impacts. However as required, the following key items will be implemented to address these issues:

All machinery and tools which generate dust are to be fitted with water attachments or dust removal devices where necessary.

Exhaust systems, extraction fans and the like, will be provided where necessary.

All trucks carting material to and from the site are to have their loads appropriately covered.

Any works involving the production of silica dusts is not to be undertaken without formal controls being determined.

Noise Control:

Hutchinson Builders recognizes the adjacent neighbouring buildings on the site and understand the sensitivity to noise during the day & night. The nature of the construction works require extended hours of work. Hutchinson Builders will adopt all possible methods available to mitigate unnecessary noise emissions.

In the event of a complaint, Hutchinson Builders site contacts will be available on call 24 hours. This allows the relevant site contact to liaise with the complainant, then Hutchinson Builders will review and analyse the cause of the complaint and where possible introducing new controls in order to prevent a reoccurrence of the problem.

Exposure to Noise

No person is to be exposed to noise levels in excess of 85dB, averaged over 8 hours. In order to prevent this, Hutchinson Builders will implement the following methods for noise control:

Attempt to block all excessive noise at the source.

Take methods to stop the transmission of noise.

Prevent the exposure of noise.

Rubbish Removal / Waste

Removal of construction waste will be via skip bins provided by a local waste disposal contractor. Construction waste bins will be contained within our Contractors Zone at all times and storage of all waste will be contained within these bins at all times.

Where possible rubbish will be sorted onsite for recycling to minimize impacts on landfill.

Demolition / Asbestos Removal

If any asbestos or contaminated material is found as part of the demolition or civil works it will be addressed in accordance with the site RAP, Asbestos Management Plan and all relevant Codes / Australian Standards. Including, but not limited to:

- Requirements of the SEPP (Exempt and Complying Development Codes)
- AS2601-2001
- SafeWork NSW requirements
- Working with Asbestos: Guide 2008 (ISBN 0 7310 5159 9) published by the WorkCover Authority

5.3 Environmental Objectives

The environmental objectives for the project are as follows:

Aspect	Objective
Waste	To minimise waste going to landfill. To implement a recycling and waste segregation process where practical
Sediment & Erosion Control	To prevent sediment from leaving site and entering waterways or storm water. To minimise transference of construction material to roadways. To have an adequate clean up procedure implemented to remove sediment from roadways.
Water	To prevent contamination of water ways and to minimise the use of construction water.
Noise & vibration	To minimise noise or vibration during the construction works.
Dust	Take measures including watering or covering areas to minimise or prevent the generation of dust. Ensure access roads and footpaths are kept clean. Daily monitoring to ensure compliance.

5.4 Environmental Impacts and Controls

The Project HSE Risk Register describes operational controls used to manage environmental issues. A complete Work Health and Safety Management plan will be developed upon award of contract

The Site Manager and Foreman will ensure that environmental controls are inspected in accordance with these plans.

Information on hazardous materials, including each material's potential impact on the environment and measures to be taken in the event of accidental release will be managed via the Hazardous Substances Register.

5.5 Legislative Compliance

The following Legislation and other requirements apply to this project:

5.5.1 Environment Legislation

- Environmental Protection Act 1994
- Environmental Protection Policy 2008
 - Noise 2008

- Air 2008
- Water 2009
- Environmental Protection Waste Management Policy 2000 and Regulation 2008
- Waste Reduction and Recycling Regulation 2011 and Act 2011
- Applicable local government legislation
- Dangerous Goods Safety Act and Regulation 2001
- Department of Community Safety Act 1990
- Nature Conservation Act 1992
- Nature Conservation Regulation 2006
- Vegetation Management Act 1999
- Aboriginal Cultural Heritage Act 2003
- Plant Protection Act 1989
- Plant Protection Regulation 2002
- Best Practice Erosion and Sediment Control 2008

5.5.2 Other Requirements

- National Construction Code of Australia
- Road Transport (General) Amendment (Heavy Vehicle Driver Fatigue and Speeding
- Compliance) Regulation 2008
- Work Health and Safety Act 2011
- Work Health and Safety Regulations 2011

The Project Manager and/or Site Manager shall conduct toolbox meetings to address safety & environmental hazards in and around the site, safe work practices, coordination and responsibilities.

5.6 Community Complaints

Community complaint shall be recorded on an Incident/Community Report.

Remedial action must be taken as soon as practical. Any action taken shall be recorded on the form. The client's project manager will be informed of any incidents.

5.7 Incident Investigation & Reporting

The Project Manager shall ensure that all incidents occurring in or around the site, involving company personnel, Subcontractors, visitors or passers-by, are investigated and reported regardless of how minor they appear at the time of the occurrence.

A Non-conformance Report shall be completed for each incident that cannot be immediately rectified and has no ongoing environmental impact.

5.8 Duty to Notify Department of Environment & Conservation of Pollution Incident

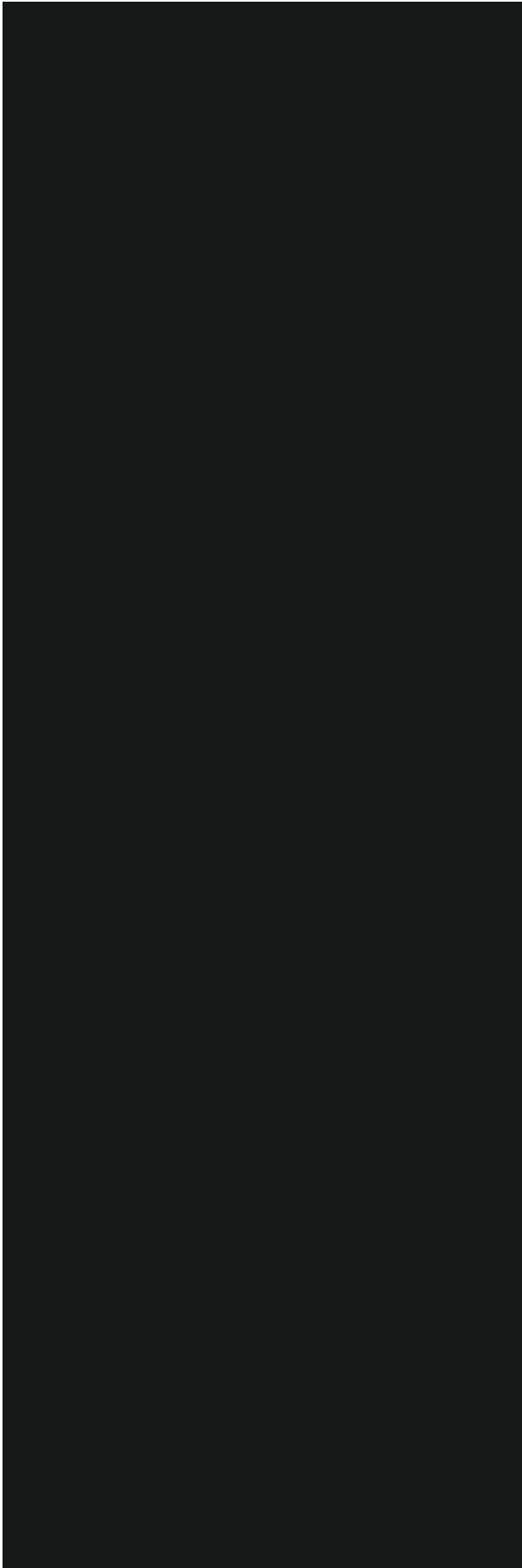
Hutchinson Builders shall notify the EPA (NSW): 131 555; if any pollution incidents occur during the course of its activities.

5.9 Non-Conformance

In the event of breach in the requirements of the EMP, a Non-Conformance Report will be completed and issued to the offending party.

Non-Conformances will be registered in the Non-Conformance Report Register.

A copy of the Non-Conformance Notice will be forwarded to the Project Manager and the subcontractor, who will implement appropriate corrective action.



Appendix 1

Authority Approvals Matrix

Telephone 07 4545 1500
Email toowoomba@hutchinsonbuilders.com.au
Address 3/1B Kitchener Street, Toowoomba QLD 4350 Australia
Postal 3/1B Kitchener Street, Toowoomba QLD 4350 Australia
www.hutchies.com.au

Authority Approvals Matrix

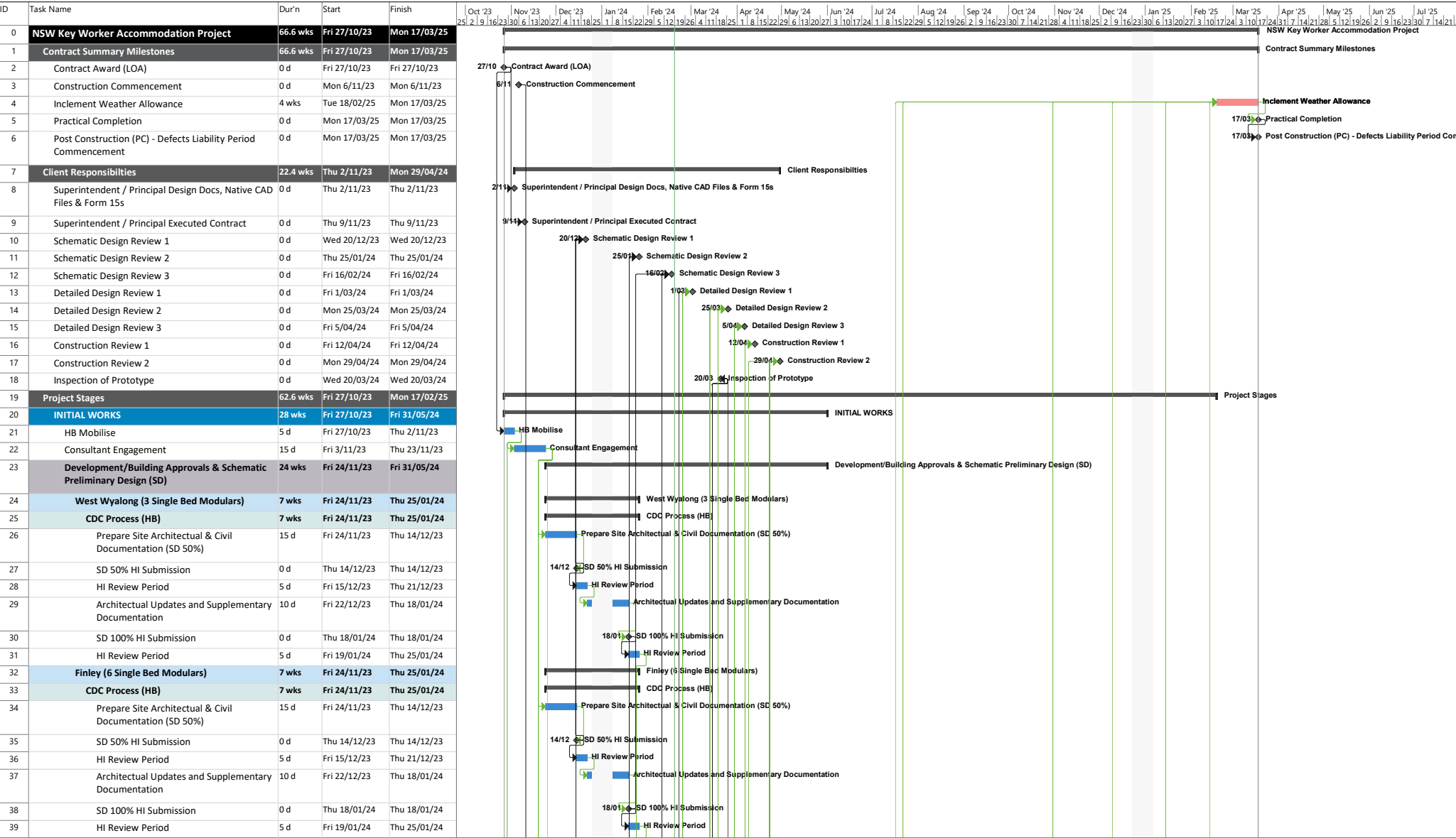
PROJECT – KEY WORKER ACCOMMODATION

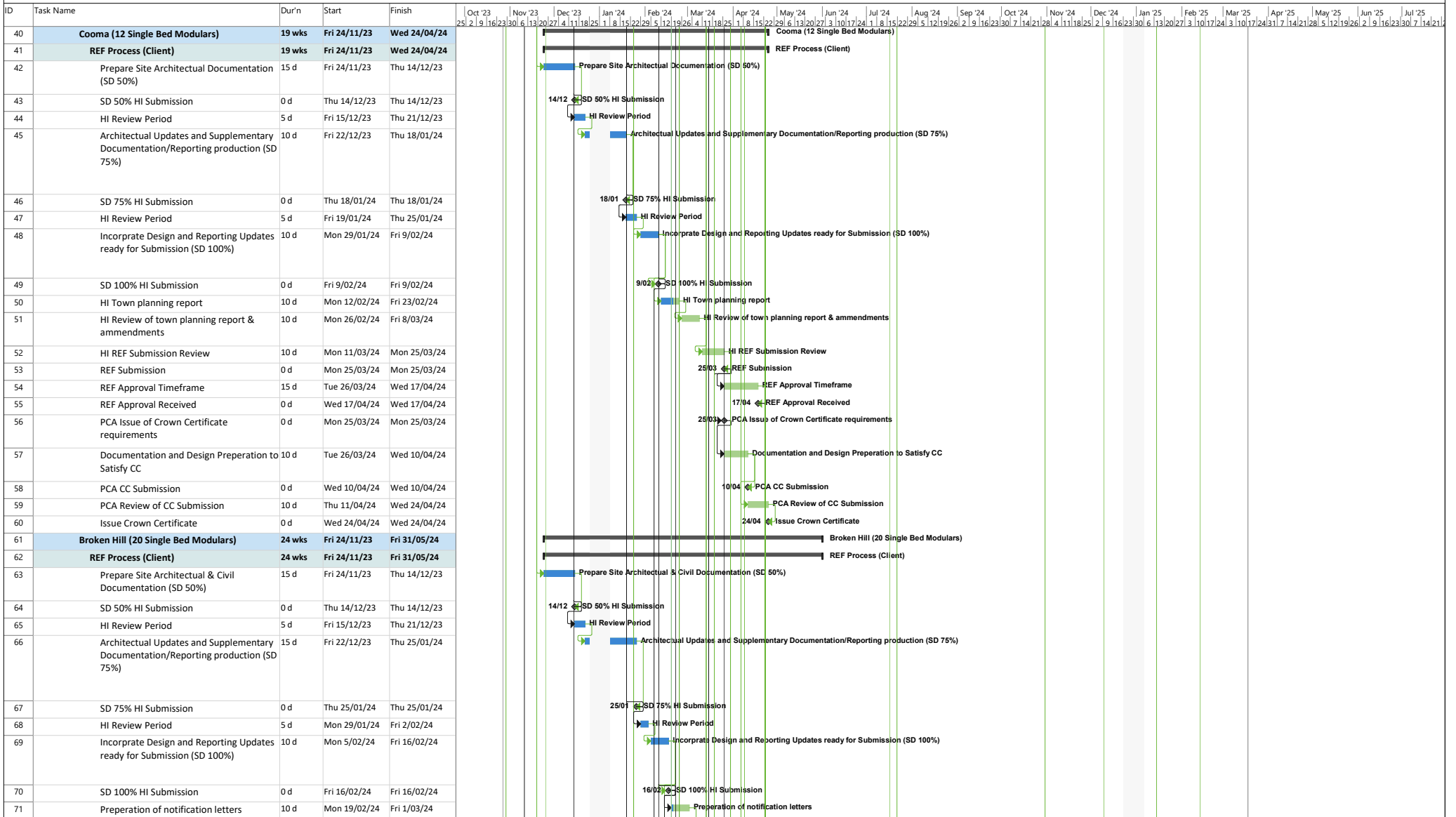
DESCRIPTION	PRINCIPAL	CONTRACTOR
Statutory Planning Approval for accommodation works at Cooma, Broken Hill, Cowra, Finely, Leeton, West Wyalong and Narrandera	x	X
Obligation to prevent impacts to the environment (Cooma REF)		x
Development in Accordance with Plans and Documentation (Cooma REF)		x

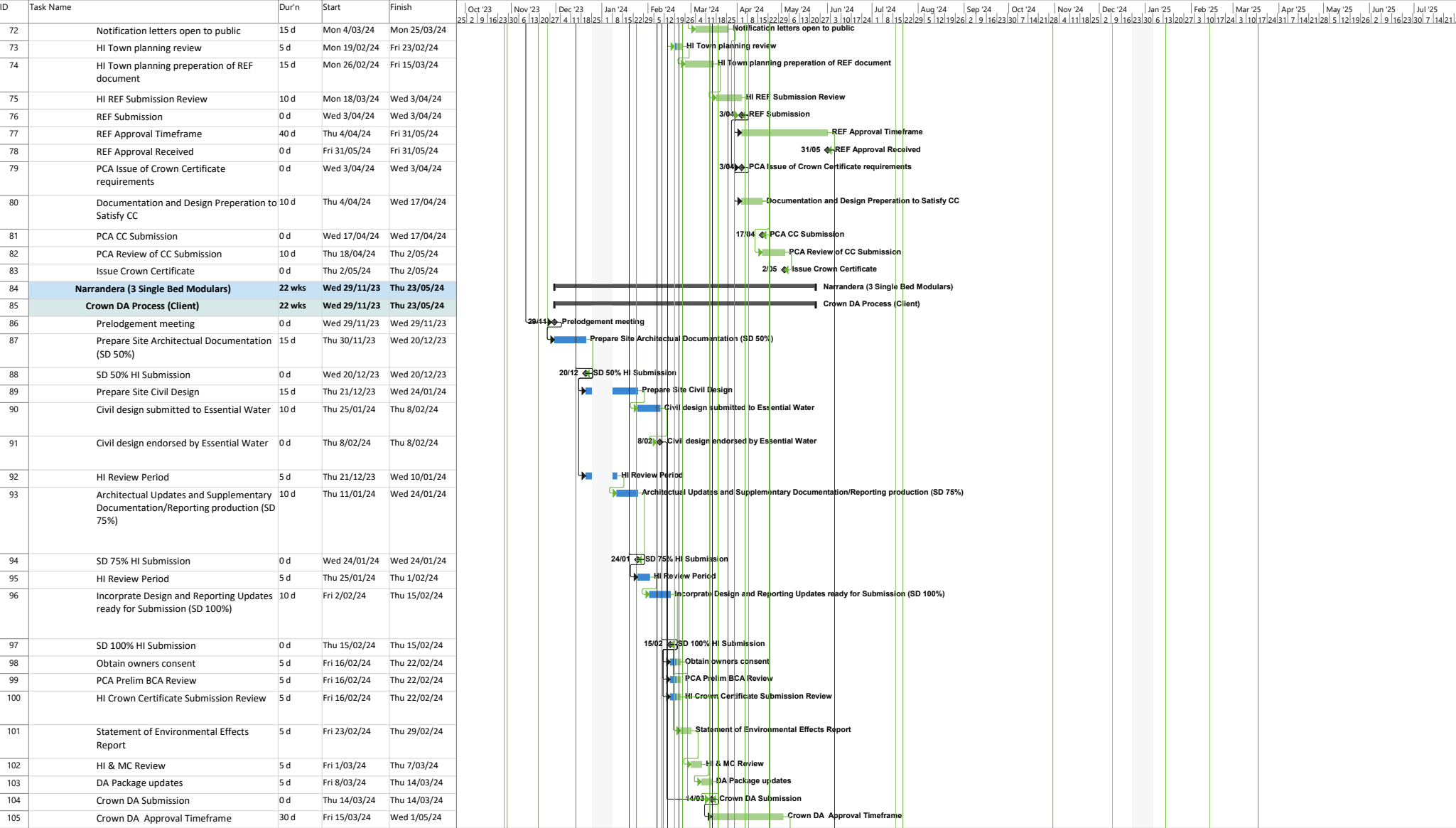


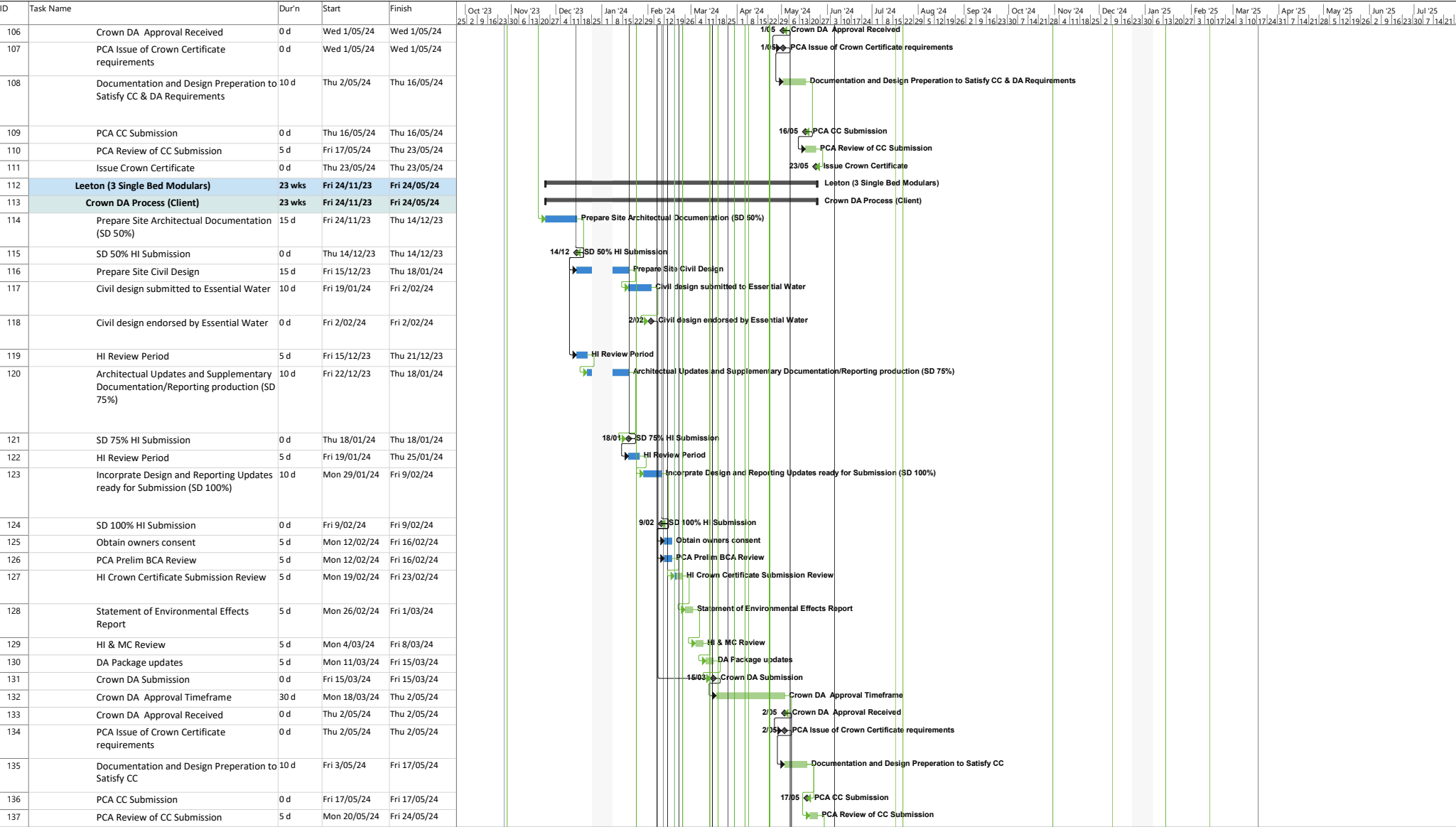
Appendix 2

Construction Program

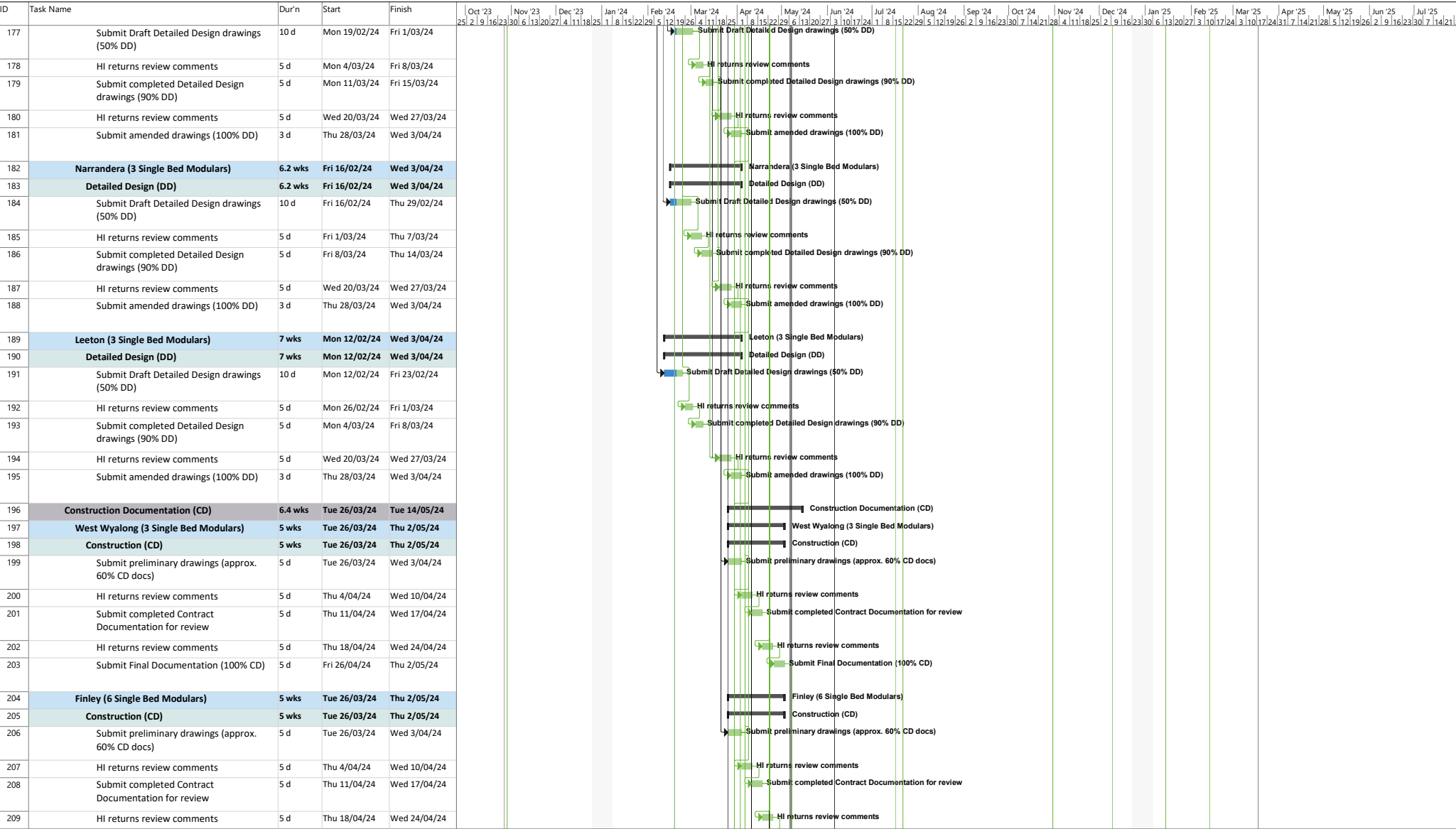




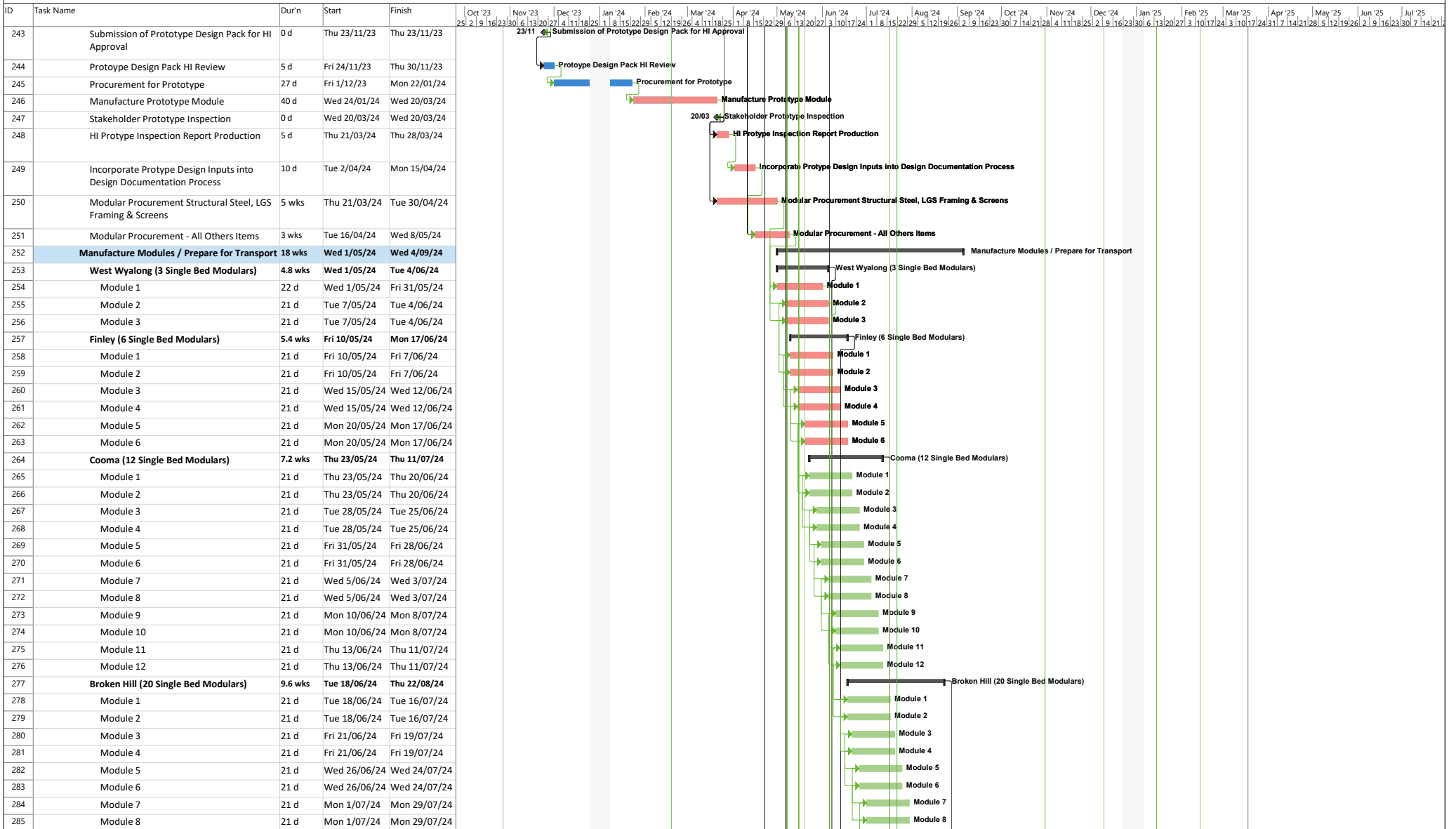




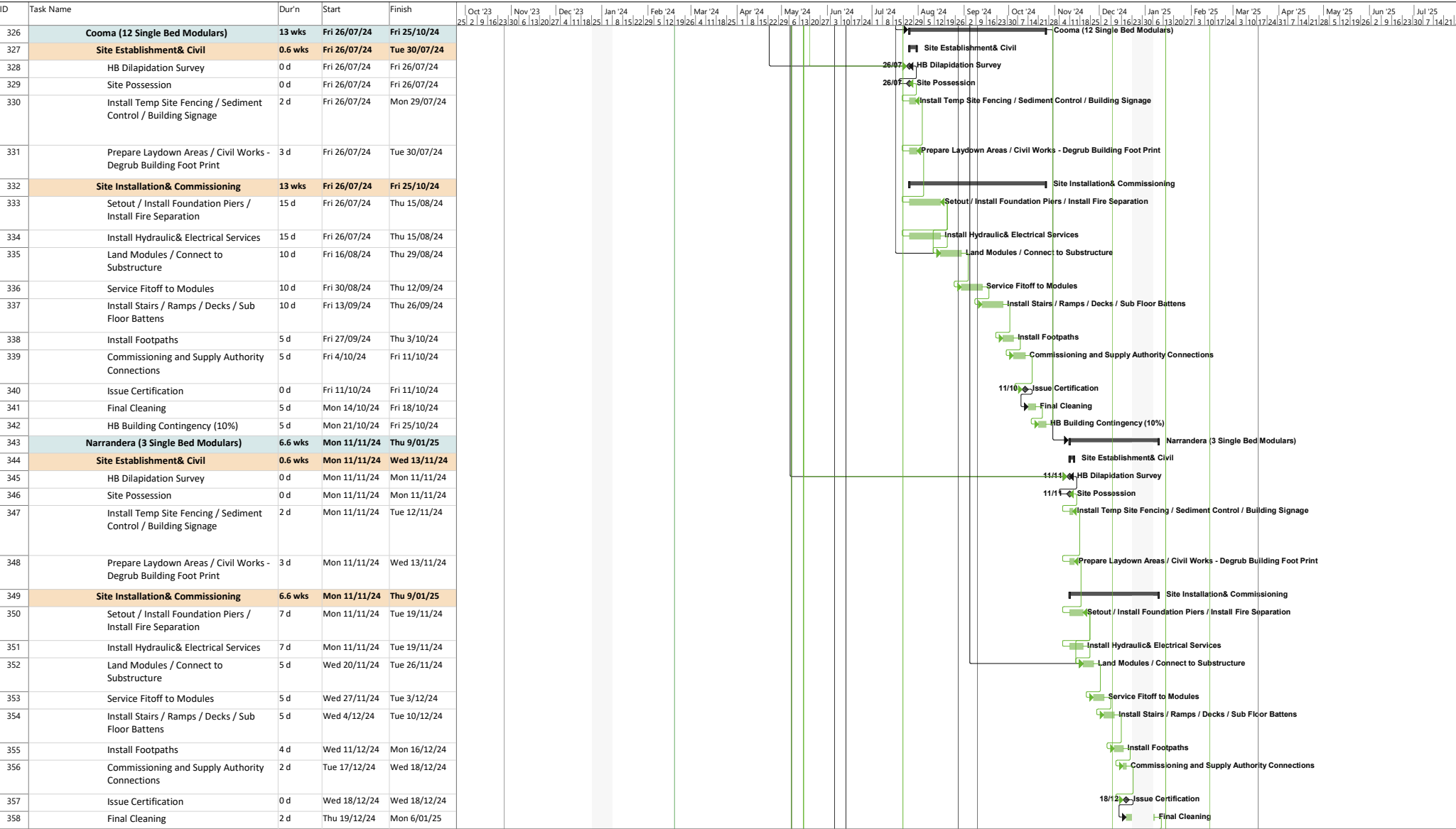
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138	Issue Crown Certificate	0 d	Fri 24/05/24	Fri 24/05/24																						
139	Detailed Design (DD)	9.4 wks	Mon 29/01/24	Fri 5/04/24																						
140	West Wyalong (3 Single Bed Modulators)	8 wks	Mon 29/01/24	Mon 25/03/24																						
141	Detailed Design (DD)	8 wks	Mon 29/01/24	Mon 25/03/24																						
142	Nomination of CDC requirements & Prelim BCA Report	5 d	Mon 29/01/24	Fri 2/02/24																						
143	Update Architectural Documents	10 d	Mon 5/02/24	Fri 16/02/24																						
144	Supplementary documentation production	10 d	Mon 5/02/24	Fri 16/02/24																						
145	DD 50% HI Submission	0 d	Fri 16/02/24	Fri 16/02/24																						
146	HI Review Period	5 d	Mon 19/02/24	Fri 23/02/24																						
147	Update Architectural Documents	5 d	Mon 26/02/24	Fri 1/03/24																						
148	DD 90% HI Submission	0 d	Fri 1/03/24	Fri 1/03/24																						
149	HI Review Period	5 d	Mon 4/03/24	Fri 8/03/24																						
150	PCA Review period	10 d	Mon 4/03/24	Fri 15/03/24																						
151	Update Architectural Documents	5 d	Mon 18/03/24	Mon 25/03/24																						
152	100% DD Submission	0 d	Mon 25/03/24	Mon 25/03/24																						
153	CDC Issued	0 d	Mon 25/03/24	Mon 25/03/24																						
154	Finley (6 Single Bed Modulators)	8 wks	Mon 29/01/24	Mon 25/03/24																						
155	Detailed Design (DD)	8 wks	Mon 29/01/24	Mon 25/03/24																						
156	Nomination of CDC requirements & Prelim BCA Report	5 d	Mon 29/01/24	Fri 2/02/24																						
157	Update Architectural Documents	10 d	Mon 5/02/24	Fri 16/02/24																						
158	Supplementary documentation production	10 d	Mon 5/02/24	Fri 16/02/24																						
159	DD 50% HI Submission	0 d	Fri 16/02/24	Fri 16/02/24																						
160	HI Review Period	5 d	Mon 19/02/24	Fri 23/02/24																						
161	Update Architectural Documents	5 d	Mon 26/02/24	Fri 1/03/24																						
162	DD 90% HI Submission	0 d	Fri 1/03/24	Fri 1/03/24																						
163	HI Review Period	5 d	Mon 4/03/24	Fri 8/03/24																						
164	PCA Review period	10 d	Mon 4/03/24	Fri 15/03/24																						
165	Update Architectural Documents	5 d	Mon 18/03/24	Mon 25/03/24																						
166	100% DD Submission	0 d	Mon 25/03/24	Mon 25/03/24																						
167	CDC Issued	0 d	Mon 25/03/24	Mon 25/03/24																						
168	Cooma (12 Single Bed Modulators)	7.4 wks	Mon 12/02/24	Fri 5/04/24																						
169	Detailed Design (DD)	7.4 wks	Mon 12/02/24	Fri 5/04/24																						
170	Submit Draft Detailed Design drawings (50% DD)	10 d	Mon 12/02/24	Fri 23/02/24																						
171	HI returns review comments	5 d	Mon 26/02/24	Fri 1/03/24																						
172	Submit completed Detailed Design drawings (90% DD)	5 d	Mon 4/03/24	Fri 8/03/24																						
173	HI returns review comments	5 d	Wed 20/03/24	Wed 27/03/24																						
174	Submit amended drawings (100% DD)	5 d	Thu 28/03/24	Fri 5/04/24																						
175	Broken Hill (20 Single Bed Modulators)	6 wks	Mon 19/02/24	Wed 3/04/24																						
176	Detailed Design (DD)	6 wks	Mon 19/02/24	Wed 3/04/24																						



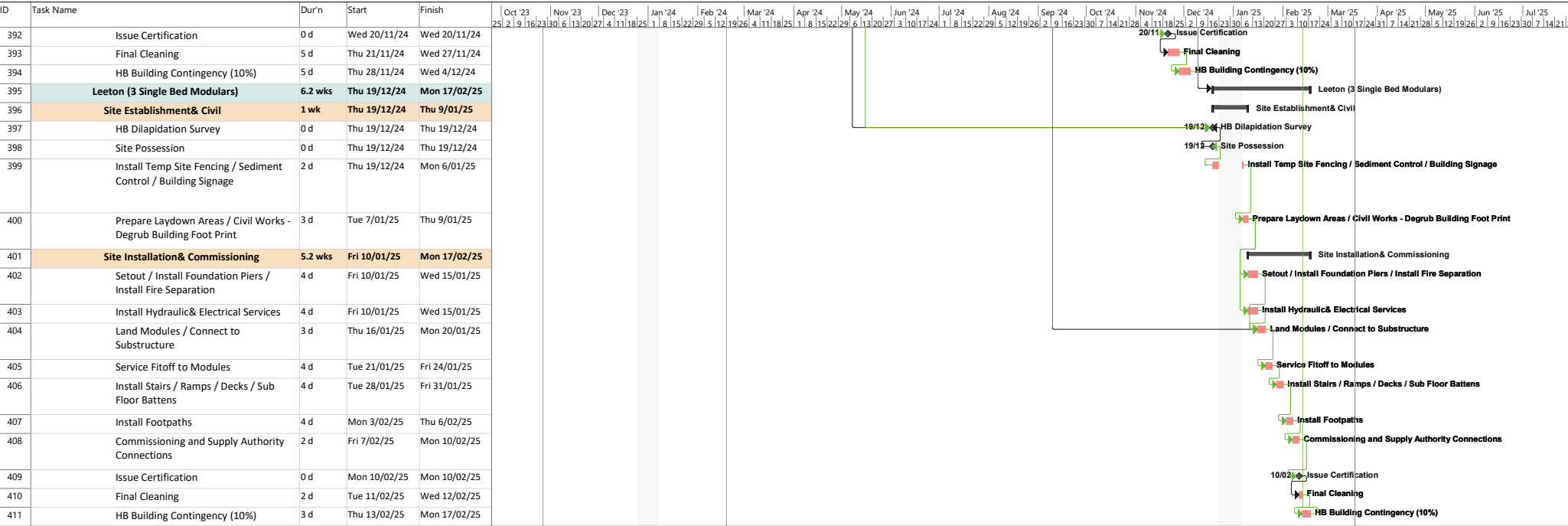
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210	Submit Final Documentation (100% CD)	5 d	Fri 26/04/24	Thu 2/05/24																						
211	Cooma (12 Single Bed Modulators)	5 wks	Mon 8/04/24	Tue 14/05/24																						
212	Construction (CD)	5 wks	Mon 8/04/24	Tue 14/05/24																						
213	Submit preliminary drawings (approx. 60% CD docs)	5 d	Mon 8/04/24	Fri 12/04/24																						
214	HI returns review comments	5 d	Mon 15/04/24	Fri 19/04/24																						
215	Submit completed Contract Documentation for review	5 d	Mon 22/04/24	Mon 29/04/24																						
216	HI returns review comments	5 d	Tue 30/04/24	Tue 7/05/24																						
217	Submit Final Documentation (100% CD)	5 d	Wed 8/05/24	Tue 14/05/24																						
218	Broken Hill (20 Single Bed Modulators)	5 wks	Thu 4/04/24	Fri 10/05/24																						
219	Construction (CD)	5 wks	Thu 4/04/24	Fri 10/05/24																						
220	Submit preliminary drawings (approx. 60% CD docs)	5 d	Thu 4/04/24	Wed 10/04/24																						
221	HI returns review comments	5 d	Thu 11/04/24	Wed 17/04/24																						
222	Submit completed Contract Documentation for review	5 d	Thu 18/04/24	Wed 24/04/24																						
223	HI returns review comments	5 d	Fri 26/04/24	Thu 2/05/24																						
224	Submit Final Documentation (100% CD)	5 d	Fri 3/05/24	Fri 10/05/24																						
225	Narrandera (3 Single Bed Modulators)	5 wks	Thu 4/04/24	Fri 10/05/24																						
226	Construction (CD)	5 wks	Thu 4/04/24	Fri 10/05/24																						
227	Submit preliminary drawings (approx. 60% CD docs)	5 d	Thu 4/04/24	Wed 10/04/24																						
228	HI returns review comments	5 d	Thu 11/04/24	Wed 17/04/24																						
229	Submit completed Contract Documentation for review	5 d	Thu 18/04/24	Wed 24/04/24																						
230	HI returns review comments	5 d	Fri 26/04/24	Thu 2/05/24																						
231	Submit Final Documentation (100% CD)	5 d	Fri 3/05/24	Fri 10/05/24																						
232	Leeton (3 Single Bed Modulators)	5 wks	Thu 4/04/24	Fri 10/05/24																						
233	Construction (CD)	5 wks	Thu 4/04/24	Fri 10/05/24																						
234	Submit preliminary drawings (approx. 60% CD docs)	5 d	Thu 4/04/24	Wed 10/04/24																						
235	HI returns review comments	5 d	Thu 11/04/24	Wed 17/04/24																						
236	Submit completed Contract Documentation for review	5 d	Thu 18/04/24	Wed 24/04/24																						
237	HI returns review comments	5 d	Fri 26/04/24	Thu 2/05/24																						
238	Submit Final Documentation (100% CD)	5 d	Fri 3/05/24	Fri 10/05/24																						
239	OFFSITE WORKS	40.6 wks	Fri 3/11/23	Wed 4/09/24																						
240	Manufacture& Installation	40.6 wks	Fri 3/11/23	Wed 4/09/24																						
241	Off Site Construction / Manufacturer Works	23.6 wks	Fri 3/11/23	Wed 8/05/24																						
242	Production of Protpe Design Pack	15 d	Fri 3/11/23	Thu 23/11/23																						

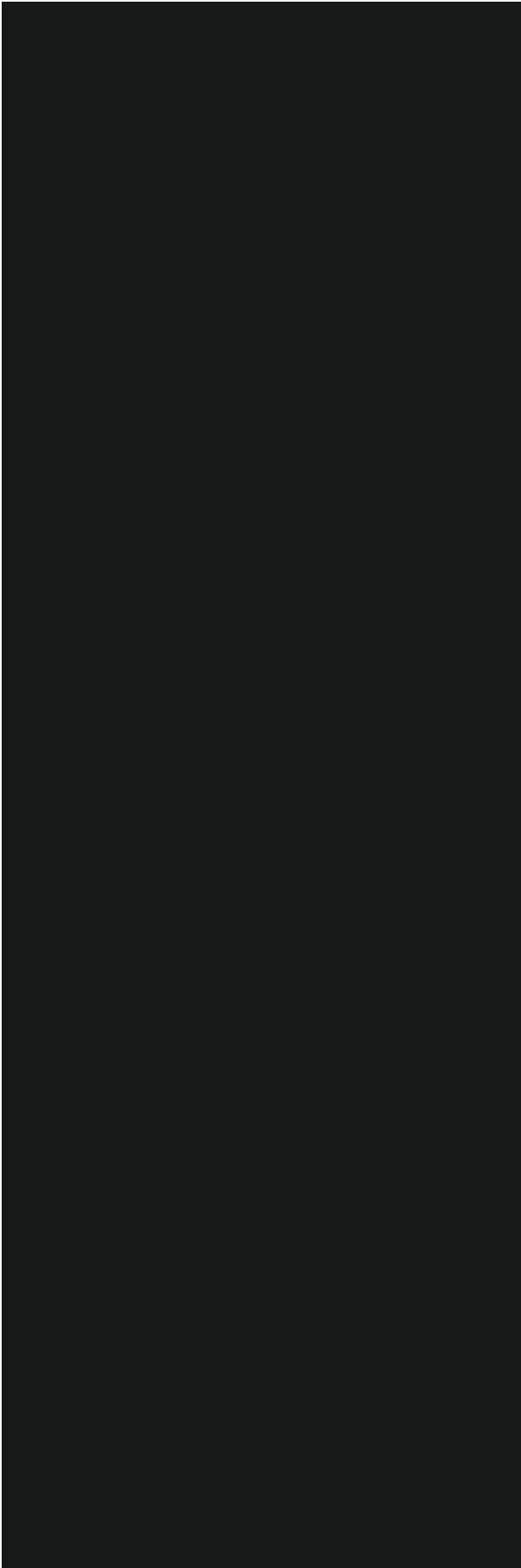


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286	Module 9	21 d	Thu 4/07/24	Thu 1/08/24																						
287	Module 10	21 d	Thu 4/07/24	Thu 1/08/24																						
288	Module 11	21 d	Tue 9/07/24	Tue 6/08/24																						
289	Module 12	21 d	Tue 9/07/24	Tue 6/08/24																						
290	Module 13	21 d	Fri 12/07/24	Fri 9/08/24																						
291	Module 14	21 d	Fri 12/07/24	Fri 9/08/24																						
292	Module 15	21 d	Wed 17/07/24	Wed 14/08/24																						
293	Module 16	21 d	Wed 17/07/24	Wed 14/08/24																						
294	Module 17	21 d	Mon 22/07/24	Mon 19/08/24																						
295	Module 18	21 d	Mon 22/07/24	Mon 19/08/24																						
296	Module 19	21 d	Thu 25/07/24	Thu 22/08/24																						
297	Module 20	21 d	Thu 25/07/24	Thu 22/08/24																						
298	Narrandera (3 Single Bed Modulators)	4.8 wks	Tue 30/07/24	Fri 30/08/24																						
299	Module 1	22 d	Tue 30/07/24	Wed 28/08/24																						
300	Module 2	21 d	Tue 30/07/24	Tue 27/08/24																						
301	Module 3	21 d	Fri 2/08/24	Fri 30/08/24																						
302	Leeton (3 Single Bed Modulators)	4.8 wks	Fri 2/08/24	Wed 4/09/24																						
303	Module 1	22 d	Fri 2/08/24	Mon 2/09/24																						
304	Module 2	21 d	Wed 7/08/24	Wed 4/09/24																						
305	Module 3	21 d	Wed 7/08/24	Wed 4/09/24																						
306	SITE WORKS	35.8 wks	Fri 24/05/24	Mon 17/02/25																						
307	Site Installation Process	35.8 wks	Fri 24/05/24	Mon 17/02/25																						
308	Site Manager 1	30.6 wks	Fri 24/05/24	Thu 9/01/25																						
309	West Wyalong (3 Single Bed Modulators)	7 wks	Fri 24/05/24	Thu 11/07/24																						
310	Site Establishment& Civil	1 wk	Fri 24/05/24	Fri 31/05/24																						
311	HB Dilapidation Survey	0 d	Fri 24/05/24	Fri 24/05/24																						
312	Site Possession	0 d	Fri 24/05/24	Fri 24/05/24																						
313	Install Temp Site Fencing / Sediment Control / Building Signage	2 d	Fri 24/05/24	Tue 28/05/24																						
314	Prepare Laydown Areas / Civil Works - Degrub Building Foot Print	3 d	Tue 28/05/24	Fri 31/05/24																						
315	Site Installation& Commissioning	6 wks	Fri 31/05/24	Thu 11/07/24																						
316	Setout / Install Foundation Piers / Install Fire Separation	4 d	Fri 31/05/24	Thu 6/06/24																						
317	Install Hydraulic& Electrical Services	4 d	Thu 6/06/24	Wed 12/06/24																						
318	Land Modules / Connect to Substructure	3 d	Wed 12/06/24	Fri 14/06/24																						
319	Service Fitoff to Modules	4 d	Mon 17/06/24	Thu 20/06/24																						
320	Install Stairs / Ramps / Decks / Sub Floor Battens	4 d	Fri 21/06/24	Wed 26/06/24																						
321	Install Footpaths	4 d	Thu 27/06/24	Tue 2/07/24																						
322	Commissioning and Supply Authority Connections	2 d	Wed 3/07/24	Thu 4/07/24																						
323	Issue Certification	0 d	Thu 4/07/24	Thu 4/07/24																						
324	Final Cleaning	2 d	Fri 5/07/24	Mon 8/07/24																						
325	HB Building Contingency (10%)	3 d	Tue 9/07/24	Thu 11/07/24																						



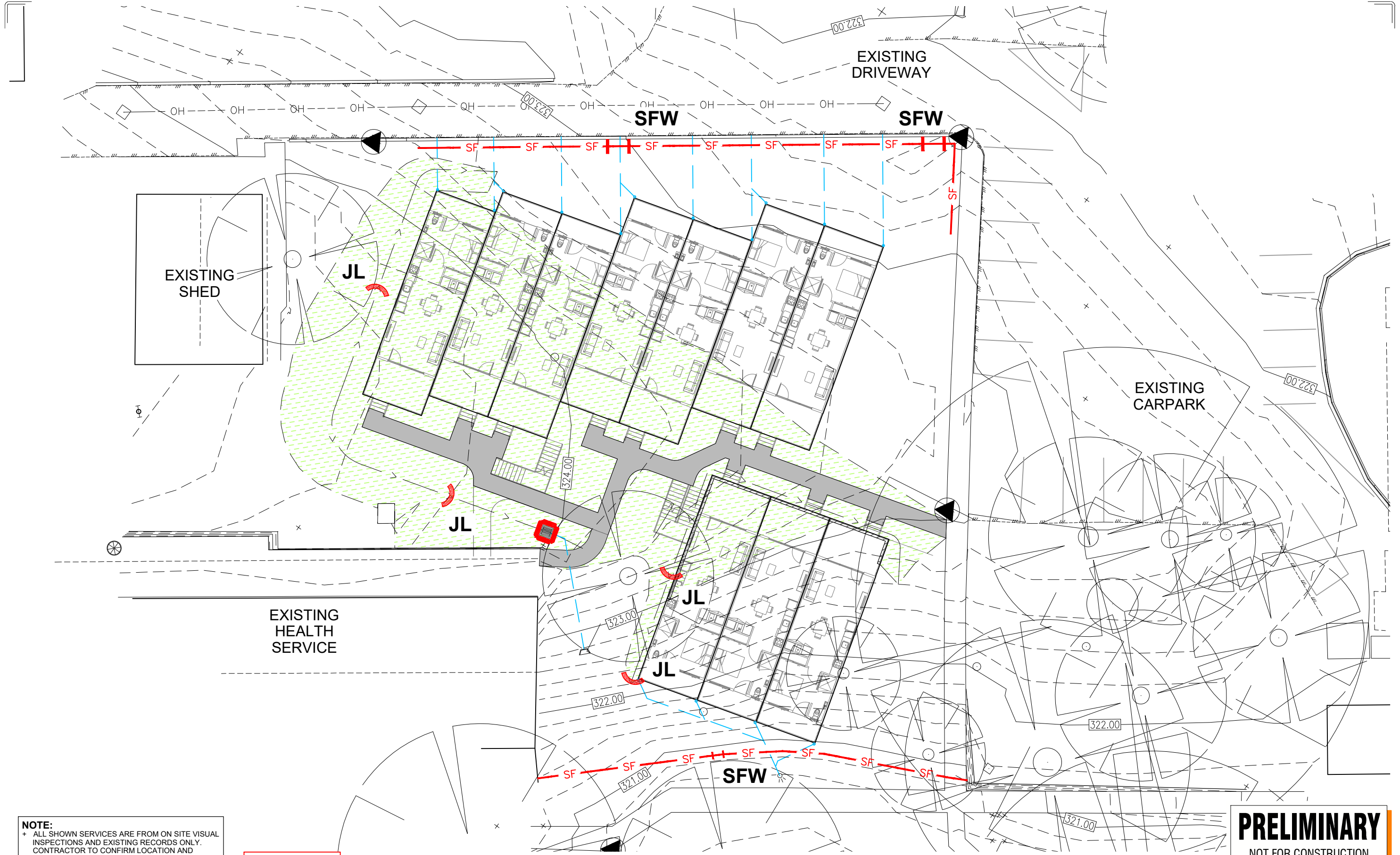






Appendix 3

Sediment and Control Plan



NOTE:
+ ALL SHOWN SERVICES ARE FROM ON SITE VISUAL INSPECTIONS AND EXISTING RECORDS ONLY. CONTRACTOR TO CONFIRM LOCATION AND DEPTH OF ALL INGROUND SERVICES PRIOR TO ANY EXCAVATION.

PRINT IN COLOUR

EROSION AND SEDIMENT CONTROL LAYOUT
SCALE:- 1:250 @ A3

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	ISSUE	DESCRIPTION	DATE	DWN



Health
Infrastructure

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Kehoe
Myers

CONSULTING ENGINEERS

REGISTERED PROFESSIONAL ENGINEERS

CIVIL | STRUCTURAL | HYDRAULIC

PROJECT NAME
KEY WORKER
ACCOMMODATION

PROJECT LOCATION
176 THOMAS STREET, BROKEN HILL,
NSW, 2880

CLIENT
NSW GOVERNMENT HEALTH
INFRASTRUCTURE

AUTHOR	DSE
DESIGNER	DSE
ORIGINAL SIZE	297 x 420 - A3
PRINT DATE	2/15/2024 2:20:16 PM
SCALE	

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AUTHORISATION

USE

EROSION AND SEDIMENT CONTROL LAYOUT

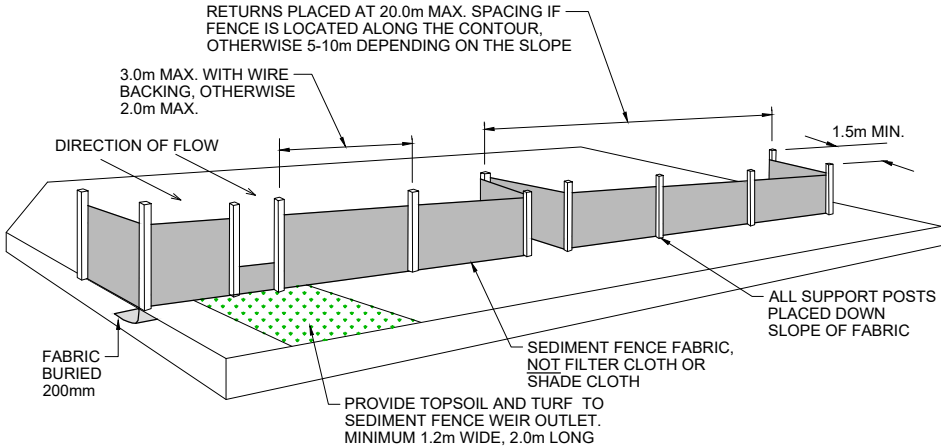
PROJECT NO. 1079

CONSULT REF. NO. S2324174

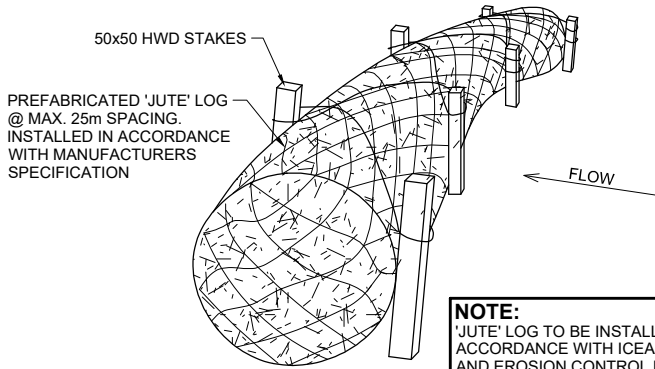
PHASE SD **BLD NO.** 01 **CONSULT** SCW **SHEET NO.** PR02 **ISSUE** P1

EROSION AND SEDIMENT CONTROL NOTES

1. THE CONTRACTOR SHALL ENSURE THAT MUD AND SILT IS NOT TRACKED ONTO PUBLIC ROADS BY VEHICLES LEAVING THE SITE.
2. A REPRESENTATIVE OF THE CONTRACTOR SHALL BE ON SITE AT ALL TIMES DURING ANY CONSTRUCTION OPERATIONS AND SHALL RECTIFY ANY FAILURE OF THE SILT CONTROL DEVICES AND CLEAN ANY EXTERNAL ROADS CONTAMINATED BY CONSTRUCTION TRAFFIC.
3. INSPECTION OF THE SURROUNDING ROADWAYS SHALL BE CARRIED OUT ON A DAILY BASIS AND A DIARY RECORDS KEPT WITH RESPECT TO ANY CLEANING WORKS UNDERTAKEN.
4. SUBCONTRACTORS SHALL NOT BE ALLOWED TO WORK UNSUPERVISED.
5. DUST EMISSIONS FROM CONSTRUCTION MACHINERY SHALL BE CONTROLLED BY REGULAR WATERING OR ON AN AS-REQUIRED BASIS.
6. SILT STOP FENCES SHALL BE INSTALLED AT THE START OF WORKS AND SHALL BE MAINTAINED FOR THE FULL DURATION OF THE PROJECT AND UNTIL ESTABLISHMENT OF ANY PLANTINGS.

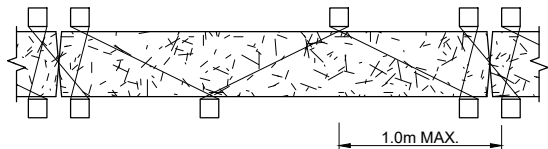


INSTALLATION OF SEDIMENT FENCE
NOT TO SCALE



NOTE:
'JUTE' LOG TO BE INSTALLED IN ACCORDANCE WITH ICEA SEDIMENT AND EROSION CONTROL DESIGN FACT SHEET - IN-STREAM PRACTICES

ANCHORAGE OF 'JUTE' LOG



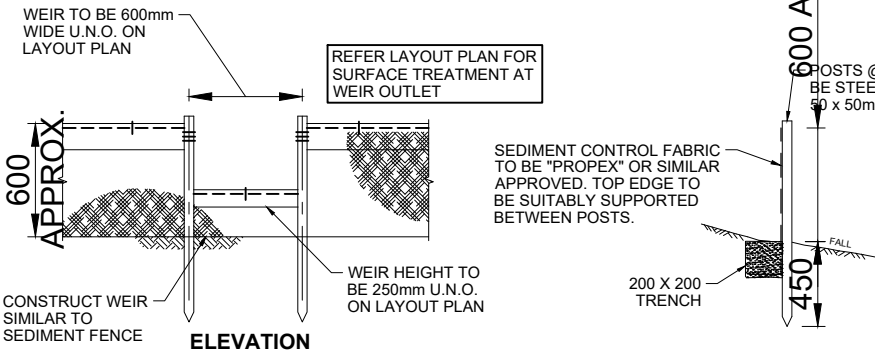
STAKING METHOD

JUTE LOG DETAIL

SCALE:- N.T.S.

SEDIMENT FENCE NOTES

1. FILTER CLOTH TO BE FASTENED SECURELY TO POSTS WITH GALVANISED WIRE TIES, STAPLES OR ATTACHMENT BELTS.
2. POSTS SHOULD NOT BE SPACED MORE THAN 2.0m APART.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY 150mm AND FOLDED.
4. FOR EXTRA STRENGTH TO SILT FENCE, WOVEN WIRE (14mm GAUGE, 150mm MESH SPACING) TO BE FASTENED SECURELY BETWEEN FILTER CLOTH AND POSTS BY WIRE TIES OR STAPLES
5. INSPECTIONS SHALL BE PROVIDED ON A REGULAR BASIS, ESPECIALLY AFTER RAINFALL AND EXCESSIVE SILT DEPOSITS REMOVED WHEN "BULGES" DEVELOP IN SILT FENCE
6. SEDIMENT FENCES SHALL BE CONSTRUCTED WITH SEDIMENT TRAPS AND EMERGENCY SPILLWAYS AT SPACINGS NO GREATER THAN 40m ON FLAT TERRAIN DECREASING TO 20m SPACINGS ON STEEP TERRAIN.



SEDIMENT FENCE WEIR DETAIL

SCALE:- 1:20 @ A1, 1:40 @ A3

SEDIMENT FENCE DETAIL

SCALE:- 1:20 @ A1, 1:40 @ A3

NOTE:
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Kehoe Myers

CONSULTING ENGINEERS

REGISTERED ENGINEERS

CIVIL | STRUCTURAL | HYDRAULIC

PROJECT NAME

KEY WORKER ACCOMMODATION

PROJECT LOCATION

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CLIENT

NSW GOVERNMENT HEALTH INFRASTRUCTURE

AUTHOR DSE

DESIGNER DSE

ORIGINAL SIZE 297 x 420 - A3

PRINT DATE 2/15/2024 2:20:16 PM

SCALE

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SHEET TITLE

EROSION AND SEDIMENT CONTROL NOTES AND DETAILS

PROJECT NO. 1079

CONSULT REF. NO. S2324174

PHASE SD

BLD NO. 01

CONSULT SCW

SHEET NO. PR03

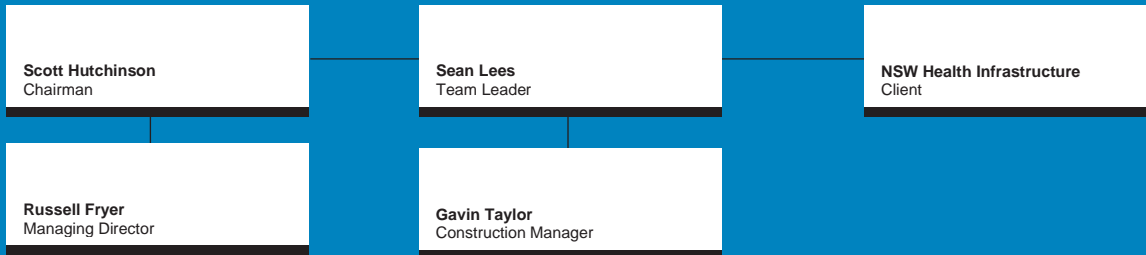
ISSUE P1



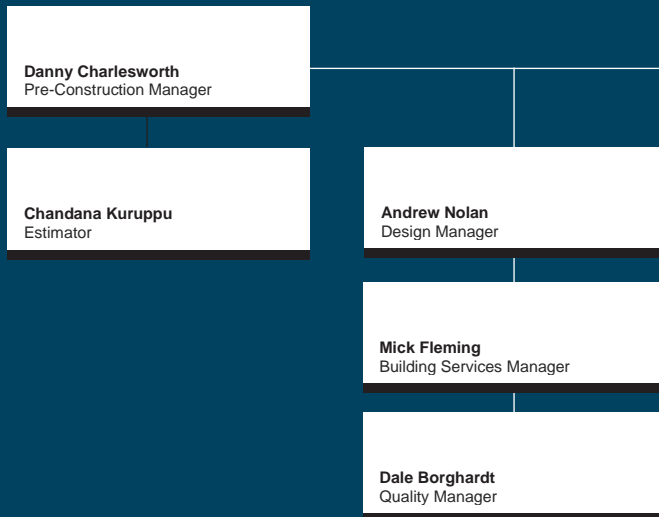
Appendix 4

Project Organisational Chart

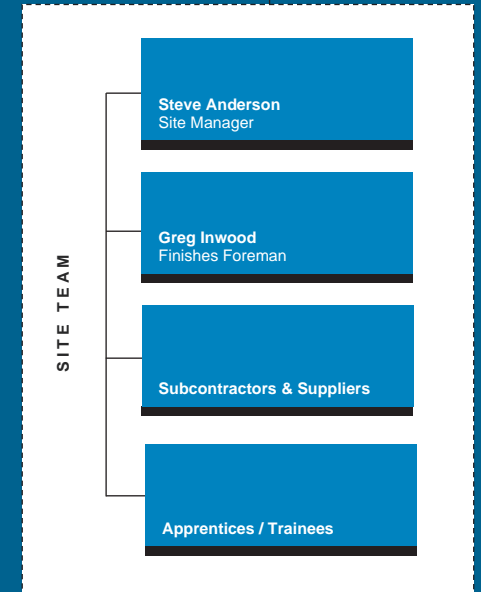
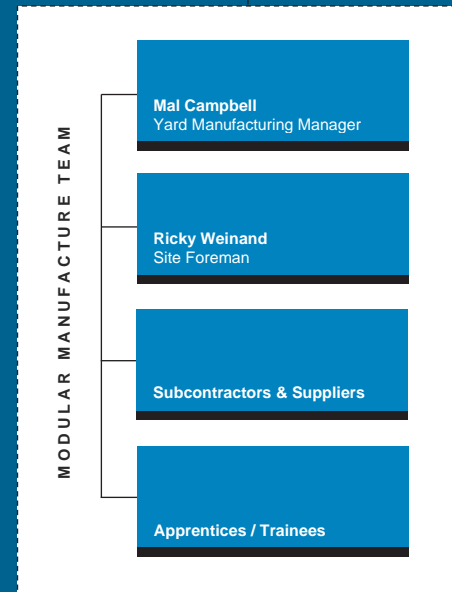
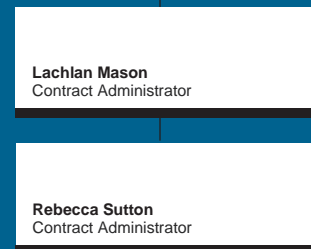
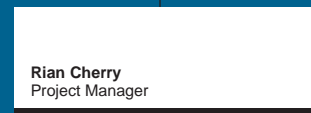
TEAM ORGANISATIONAL CHART



PRE-CONSTRUCTION



DELIVERY





Appendix 5

Site Layout Plan

