

Date: **11/06/2021**

Project Title: Snowy 2.0 – Future Generation Joint Venture

Project Description: Salini Impregilo, Clough and Lane trading as Future Generation Joint Venture (Future Gen) is a main contractor of Snowy 2.0 EPC Project. The Project is a pumped hydro project that will increase the generation capacity of the Snowy Mountains Scheme by up to 2,000MW and at full capacity will provide approximately 350,000MW/h of energy storage. The project includes all activities associated with the requirements for the Snowy 2.0 Pumped Hydro-electric Scheme.

Opportunity Title: PPK-438 Joule Ridge Camp - Foundations Installation (Precast, FRP, Screw Piles).

Opportunity Description: The Subcontractor is required to submit a fee proposal for the execution of the following works:

supply and installation of both precast and cast insitu foundations for modular buildings, stair foundations, laundry slab and other miscellaneous foundations, slabs, driveways.

The scope covered under this package includes the following construction activities.

- Establishment of temporary hardstand area for precast concrete casting
- Supply and installation of all concrete, reinforcement, ties, lifting lugs and embedded items
- Detailed excavation and preparation of foundations base
- Survey of foundation lines and levels
- Backfill of foundation and removal of excess foundation spoil to stockpile.
- Concrete washdown and disposal of excess concrete.

The Subcontractor must provide Materials, Equipment, and Personnel in sufficient quantity to perform the works according works according to the FGJV design and specifications (see documents attached - CC01 Design Package – Pacific Hill Camp). FGJV requires an offer based on the following BoQ spreadsheet attached in Appendix C. The subcontractor may detail and modify/refine the attached BoQ in the proposed

Tenderers are to allow for all works incidental and necessary to providing a fully turnkey Sub Contract package all necessary incidental works and materials.

The tender issue drawings reflect a layout that is fit for FGJV's purpose, with the tenderer being responsible for all construct aspects associated with concrete foundations.

It should also be noted that in addition to the above the tenderer remains responsible for compliance with the BCA/NCC, Australian standards, Bushfire standards, Fire standards, DDA standards and all detailing of the works.

The clients PPR shall include the full scope of contract documents.

Requirements:

FG JV requires Vendor:

- to provide evidence of similar experience in the Business Industry
- to provide evidence of the required government or industry certifications, licenses, associations and/or insurances to deliver the opportunity.
- to comply with all Safety and Environmental Management requirements for the Project. Site Specific Environmental Management Plans
- to demonstrate an exemplary safety record and a documented management system for tracking safety performance
- to be financially viable and can demonstrate commercial value.
- to demonstrate a strong commitment to training and retaining a local workforce
- to have an excellent track record in employing and progressing the careers of Indigenous people
- to progressively finding ways to develop the careers of women, veterans, and people with disabilities.
- Treat the environment they are working in with respect and consideration.

General Information:

FGJV will consider all ICN Registrations where:

- The business demonstrates through their response a clear capability against the key requirements.
- The business completes a response to all Future Gen questions and/or Future Gen documentation
- The businesses ICN profile is up to date and complete.
- The registration is complete prior to any closing date.
- The business operates in Australia and is a registered Australian business.

Local & Regional Content: FGJV strongly encourages businesses who have head offices and/or dedicated premises with the appropriate Local Government approvals from the following regions:

- Snowy Monaro Regional Council Local Government Area.
- Snowy Valleys Council Local Government Area.
- Furthermore, Future Gen strongly encourages Aboriginal and Torres Strait Islander businesses to submit applications.

Notes:

FGJV will obtain ongoing reporting from ICN on a regular basis.
FGJV will review all registrations, noting that any incomplete registration will be excluded from consideration.
Further involvement may range from a request for a follow up meeting; request to prequalify, through to request for tender.
Submitting a registration of interest does not guarantee that the supplier will be selected for prequalification or tender opportunities.



S2-FGJV-TEC-SOW - 438 Rev. A

Future Generation JV – Snowy 2.0 Pacific Hills – Concrete footings and foundations

Approval Record			
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Document Revision Table		
Rev.	Date	Description of Modifications/Revisions
A	04/06/2021	ISSUE FOR PURCHASE



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2.0 Project Description

Salini Impregilo, Clough and Lane have formed Future Generation Joint Venture (the Contractor) to provide the EPC package for SHL on the Snowy 2.0 Project (the Project).

The Project is a pumped hydro project that will increase the generation capacity of the Snowy Mountains Scheme by up to 2,000MW and at full capacity will provide approximately 350,000MW/h of energy storage. The project includes all activities associated with the requirements for the Snowy 2.0 Pumped Hydro-electric Scheme.

Intake and outlet structures will be built at both Tantangara and Talbingo Reservoirs, which are in the Kosciuszko National Park (KNP) in southern NSW. Approximately 27km of concrete lined tunnels will be constructed to link the two reservoirs and a further 20km of tunnels will be required to support the facility. The power station complex will be located almost one-kilometre underground.

The Project will deliver one of the largest pumped hydro schemes in the world and underscores the importance of the Snowy Scheme's role in the National Electricity Market (NEM).

Future Generation was conceived to deliver an integrated engineering, procurement, and construction management service for the Project. The joint venture is backed by the combined experience of Salini Impregilo, Clough and Lane, through their experience in the infrastructure, mineral and oil and gas sectors throughout Australia and the world.

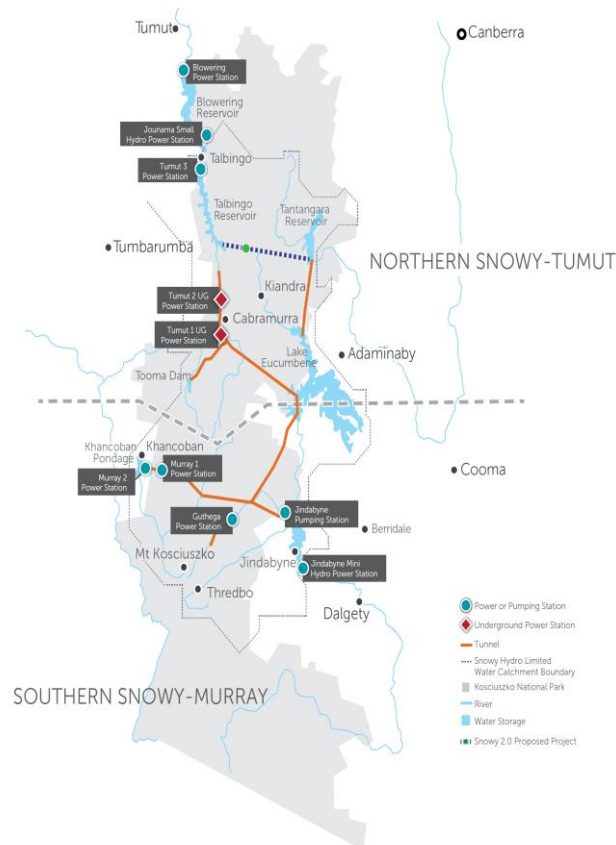


Figure 1 - Project Layout

2.1 Pacific Hill Manufactured Home Estate

Future Generation Joint Venture proposes to construct and operate a manufactured home estate (MHE) at land known as Pacific Hill Lodge at Boobah Street, Cooma (referred to hereafter as 'the site'). The proposed use of the site is to provide accommodation for the workforce associated with the Snowy 2.0 project, including the proposed precast segment factory at Polo Flat.

The MHE will comprise:

- 46 dwelling sites providing accommodation for 126 personnel;
- 65 car parking spaces;
- three bus parking spaces;
- communal facilities (including community hall and laundry);
- landscaped open areas and recreation and BBQ areas; and
- internal roads.

The site is in Cooma, approximately 900 metres (m) north northeast of the Cooma Central Business District (CBD), within the Snowy Monaro Regional local government area (LGA). The site can be seen in its local context in Figure 2.1.

The site is owned by Snowy Hydro and is legally defined as comprising Lot 1 and 2 in Deposited Plan (DP) 544222, Lot 1 in DP 559707, Part Lot 2 in DP 559707, and Lot 20 in DP 608188. The site occupies an area of about 3 ha.



Figure 1 – Pacific Hill Location

2.1 Pacific Hill Site Description



Figure 2 – Pacific Hill Layout

3.0 Subcontractor Scope of Works

3.1 Scope Brief

The Subcontractor is required to submit a fee proposal for the execution of the following works:

supply and installation of both precast and cast insitu foundations for modular buildings, stair foundations, laundry slab and other miscellaneous foundations, slabs, driveways.

The scope covered under this package includes the following construction activities.

- Establishment of temporary hardstand area for precast concrete casting
- Supply and installation of all concrete, reinforcement, ties, lifting lugs and embedded items
- Detailed excavation and preparation of foundations base
- Survey of foundation lines and levels
- Backfill of foundation and removal of excess foundation spoil to stockpile.
- Concrete washdown and disposal of excess concrete.

The Subcontractor must provide Materials, Equipment, and Personnel in sufficient quantity to perform the works according to the FGJV design and specifications (see documents attached - CC01 Design Package – Pacific Hill Camp). FGJV requires an offer based on the following BoQ spreadsheet attached in Appendix C. The subcontractor may detail and modify/refine the attached BoQ in the proposed

Tenderers are to allow for all works incidental and necessary to providing a fully turnkey Sub Contract package all necessary incidental works and materials.

The tender issue drawings reflect a layout that is fit for FGJV’s purpose, with the tenderer being responsible for all construct aspects associated with concrete foundations.

It should also be noted that in addition to the above the tenderer remains responsible for compliance with the BCA/NCC, Australian standards, Bushfire standards, Fire standards, DDA standards and all detailing of the works.

The clients PPR shall include the full scope of contract documents.

3.2 Price Breakdown

Tenderers shall provide lump sum pricing as follows:

Package	Lump Sum
Footings for Modular Buildings	AUD
Footings/slabs	AUD

FGJV has included in the tender documents a BOQ. Tenderers are required to provide a completed BOQ in their tender.

3.3 Tenderer Inspections

Tenderers are to make their own arrangements to inspect the site during the tender. Arrangements can be made with the site team, Barrie Hall, b.hall@futuregenerationjv.com.au.

Full PPE (Australian Standard compliant lace up high-top boots, High Vis vest, hard hat and glasses) must be worn on sites

3.4 Design/Approvals

FGJV is responsible for obtaining all construction approvals to commence construction (CC's or the like), however the tenderer shall provide to FGJV all necessary design information, certification or the like that FGJV reasonably requires.

The tender shall be responsible for providing works Compliance certificates as appropriate on completion to FGJV's certifier.

Any other approval shall be the responsibility of the tenderer

3.5 Works Performed by FGJV

FGJV shall perform the bulk excavation works and leave the site at the design bulk level +/- 100mm.

FGJV shall perform underground service installation and it is noted that above ground service connection points will be exposed.

The tenderer shall allow for all work to complete their package from the completion of FGJV's work.

3.6 Alternative Materials

The use of alternative materials and designs is encouraged. However, the tenderer is to nominate all such alternatives in its tender.

3.7 Survey

FGJV shall provide the tenderer with initial setout points and grid lines. All survey from this point shall be by the tenderer.

3.8 Edilsider - Modular Buildings

FGJV has arranged for the manufacture and supply of all modular buildings. Buildings are assembled in Sydney by Edilsider. The buildings will be installed by FGJV or another sub-contractor during the works.

The tenderer shall allow for Co-ordination of its works around the installation of the buildings

3.8.1 Footings to Buildings

The tenderer shall allow for the supply and installation of all footings, slabs and stairs including;

- Footings to modular buildings
- Footings to support modular building upper story stairs
- Footings and slabs to support lower level stairs

- Slabs for all non modular buildings including laundry, Substation, Electrical distribution broads Garbage shelters

All footings to modular buildings shall contain 200*200 cast in plates with tangs allowing buildings to be welded down.

3.8.2 Edilsider Program

Accommodation units are due for delivery to site commencing in late July and progressing until early August 2021.

3.9 Site Conditions

The tenderer accepts the site 'as is' and as included in the contract and the contract documents and has made all allowances for any excavation, retention, ground water and the like. The tenderer acknowledges they have made their own investigations and all necessary allowances are included.

Specifically, tenderer shall allow for.

- Establishment of temporary hardstand area for precast concrete casting. See Appendix D for suggested layout of casting slabs. 2 off 33.0m x 2.0m x 125mm 32MPA SL82 mesh.
- Supply and installation of all concrete, reinforcement, ties, lifting lugs and embedded items
- Detailed excavation and preparation of foundations base
- Survey of foundation lines and levels
- Location of all stored materials
- Silt and sediment control
- Backfill of foundation and removal of excess foundation spoil to stockpile.
- Concrete washdown and disposal of excess concrete.
- Site access via Solomon Lane HV and working hours
- Compliance with any soil, traffic, waste or water management plans that may be in place

3.10 Cranage

The tenderer is responsible for all Craneage it requires

3.11 Materials

The tenderers are to allow for the management and dispose of all waste and rubbish as generated by the subcontractors works

There is rock subgrade present in the southern short-term platform of the camp and the tenderer is to make allowance (separate pay item) for the excavation of weather rock material.

Provision for temporary on-site Precast Area slabs for the manufacture of Precast foundations on site. Refer Appendix D. Tenders are to allow of installation and demolish and removal from site of temporary slabs.

All Materials inclusive of Concrete, Reinforcing steel, including scheduling where required, is to be by the Subcontractor. This includes all accessories whatsoever e.g. tie wire, aspros

All timbers and formwork, castins incl. for lifting if precasting to be supplied by Subcontractor

Bedding sand is to be supplied by the Sub-contractor.

Any further concrete pumping or placing plant and equipment is to be provided by the Subcontractor.

The sub contractors are to allow for the co-ordination of these materials with FGJV and are to provide a rolling 3 week forecast of concrete demand weekly to FGJV.

Site Accommodation

The tenderer is to provide all necessary site accommodation for its workforce. This includes Sleeping quarters, mess, offices, lunchrooms, change rooms, WC's, consumables and the like.

Tenderers may assume sewer pump trucks (by FGJV) will used to empty holding tanks supplied by the Tenderer

A water connection point will be provided adjacent to the site at Boobah Street Entrance for connection to amenities by the contractor.

All necessary power via Gensets is to be provided by the tenderer.

All communications are by the tenderer

The tenderer is to provide all training, inductions and safety supervision for all its own personnel as well as participate in FGJV's systems.

3.12 Coordination with Separate tenderer s & Free Issue Suppliers

The tenderer shall co-ordinate and co-operate with Separate Contractors and free issue suppliers as if they are their own sub- tenderer s.

This includes but is not exclusive to the following.

- Day to day coordination and supervision
- Calling up materials/take off quantities
- Safety supervision
- Delivery management and programming
- Questions, queries and the like
- Co-ordination with other trades
- Issues of cost, time or design unable to be resolved by the tenderer shall be referred to FGJV

3.13 Design Costs

Should the tenderer wish to change a material, methodology or design, and, subject to FGJV's approval of that change, the tenderer is to allow for all the necessary consultant costs associated with the change in that design. This includes Structure, services, architecture, PCA and any other consultant or approval cost.



It should be noted that FGJV will not approve any change to the design without appropriate allowances for redesign and signoffs being in place.

Any proposed change is completely at the risk of the tenderer.

3.14 Vehicle Access – Pacific Hill

Light Vehicle access is via Boobah Street

Heavy Vehicular Access to site is via Solomon Lane.

3.15 Client Access

The FGJV and the Client shall be provided with open access to the site at all times.

3.16 Detailed Scope

The BOQ provides a detailed scope of works. They do not fully describe the scope of work and the tenderer remains responsible for provision of all incidental materials and equipment.

- Periodic Disposal of all excavation spoil to stockpile on site
- Supply and installation of all footings to modular buildings including cast ins per drawings
- Supply and install all footings to stairs per drawings
- Supply and install all slabs to buildings
- Supply and install all footpaths and incidental/minor concrete structures



4.0 Construction Services

4.1 Project Reference Document

Project Reference Documents:

- Construction Program

Robert Bird Civil Specification

- Civil Specification – Pacific Hill Feb 2021



5.0 Bid Deliverables

5.1 Tender Submission

tenderer s shall provide the following information

- 1) Company Details
- 2) Revised & detailed bill of quantities
- 3) Revised & detailed program of work
- 4) Commercial offer
- 5) Inclusions & Exclusions
- 6) Updated responsibility matrix (refer to Appendix B)
- 7) Organisation chart for the Project including CV
- 8) Detailed list of machinery
- 9) Hourly rate for variations (machinery & personnel)
- 10) Provide Work Pack(s) and Method Statement(s) that describe the job to be performed.
- 11) Provide a staging of the excavation, based on the preliminary staging given in this Scope of Work

6.0 Deviations & Clarifications

If Subcontractor seeks any relaxation waiver or query of any requirement within this Scope of Work, they must complete a Technical Deviations List.

Subcontractor must clearly identify all elements of the proposed relaxation, waiver, or query in accordance with any applicable part of this SOW and shall detail any resulting technical, commercial and/or schedule impact.

If not otherwise stated, by submitting a bid, the Subcontractor confirms it is compliant with the conditions of this document and the ones which reference is made.

7.0 Health, Safety & Environment

Subcontractor shall comply with all Safety and Environmental Management requirements for the Project. Site Specific Environmental Management Plans will be prepared by FGJV and approved by the NSW Department of Planning, Industry and Environment (DPIE). The subcontractor must comply with these plans once approved by DPIE.

All vehicles need to be fitted with In Vehicle Monitoring System, as per FGJV requirements.

Attend weekly coordination meeting in relation to Health, Safety and Environmental.

Incident reporting within the FGJV timeline requirements to the FGJV Supervisor and HSE Advisor.

Weekly reporting of HSE activities on the FGJV reporting template.

Work under the FGJV HSSE plans, work instructions, procedures and PTW requirements for the project.

Have trained, experienced and competent HSE personnel at the regulatory requirements for high-risk construction works of 1:50 on site.

Submit all SWMS/JHA to the FGJV Site HSE Manager for review and approval prior to the start of works.

8.0 Risk Management

Subcontractor must prepare a risk management plan that comply with ISO 31000:2018 Risk management principles and guidelines and with FGJV Risk Management Assessment Framework.

The Subcontractor shall consider different sources of risks in the risk assessments but not limited to such as Health and Safety, Environmental, Quality, Labour shortage, Access Issues, Reputation, Cost, Planning Issues, Natural Disasters, Construction issues...etc

Subcontractors must document the identified risks and their risk mitigations into a risk register and review them in a regular basis.

Subcontractor shall identify a risk representative within its site who will be responsible to review these risks in a regular basis.



9.0 Quality System & Inspection

Subcontractor shall be responsible for the performance of all quality control and acceptance testing as specified under the Contract, including the provision of suitably qualified personnel, testing equipment and facilities.

- The Subcontractor is to provide a package site engineer in the field who will coordinate the witness/inspection points and collection of quality documentation in accordance with the FGJV and Project requirements for the Footings and Utilities scope (this package). This includes the coordination of deliverables from the specialist subcontractors placing utilities in the trenches and ensuring compliance prior to backfill. The Subcontractors engineer will provide this information at regular intervals to the FGJV Project Engineer and QA Coordinator.
- Subcontractor is required to comply with FGJV quality management system in place in compliance with ISO 9001 standard.
- Before 5 days of the Commencement Date, Subcontractor shall submit to FGJV QA/QC Department the following documents for review:
 - Design management plan for all temporary works according FGJV procedures
 - Method of statement for all the activities,
 - Inspection and test plans according FGJV template for all the activities requiring tests and inspections,
 - Forms and templates,
 - List of all the measuring instruments or equipment's to use and the relevant updated calibration certificates.
 - Activities cannot be commenced without FGJV QA/QC approval.
- The Subcontractor shall provide FGJV with all the documents and records related to the activities under their scope and directly linked with the construction/sub-construction packages certification.
- Subcontractor's PQP can be submitted to SHL for information by FGJV.
- The Subcontractor shall ensure a minimum 'quality' staffing to cover all the activities provided by the contract
- The list of all the quality personnel and the relevant CV shall be submitted together with the quality deliverables.
- The subcontractor shall provide and maintain at all stages of the work a Quality Control Register to identify the status of inspections, sampling and testing of the work, and all certificates. This register shall always be permanently updated as current and submitted for review to QA/QC at least on bi-weekly basis, unless otherwise specified.



- Subcontractor shall attend a bi-weekly meeting with QA/QC to discuss the outcomes of the monthly quality report and all other issues raised within this period.
- The tenderer is required to use FGJV's Aconex documentation system for all correspondence

Appendix A: Reference Documents

Detailed List of Drawing numbers

RBG Design Drawings

Drawings & Specifications – Civil Works		
1	Civil Specification – Pacific Hill 20252-RBG-ZZ-XX-SP-CV-00001-210201	
2		
3		
4	COVER SHEET, LOCALITY PLAN, & DRAWING INDEX	CIV-CF-COA-SKT-30000 C1
5	GENERAL NOTES SHEET 1	CIV-CF-COA-SKT-30001 C1
6	GENERAL NOTES SHEET 2	CIV-CF-COA-SKT-30002 C1
7	FOOTING GENERAL ARRANGEMENT PLAN	CIV-CF-COA-SKT-31000 C1
8	FOOTING SECTIONS AND DETAILS	CIV-CF-COA-SKT-31020 C1
9	LAUNDRY GENERAL ARRANGEMENT PLAN SHEET 1	CIV-CF-COA-SKT-41010 C1
10	LAUNDRY BLOCK WORK DETAILS	CIV-CF-COA-SKT-41020 C1
11		

Drawings and Specifications – Structural Works

1	COVER SHEET, LOCALITY PLAN, & DRAWING INDEX	CIV-CF-COA-SKT-30000	C1
2	GENERAL NOTES SHEET 1	CIV-CF-COA-SKT-30001	C1
3	GENERAL NOTES SHEET 2	CIV-CF-COA-SKT-30002	C1
4	FOOTING GENERAL ARRANGEMENT PLAN	CIV-CF-COA-SKT-31000	C1
5	FOOTING SECTIONS AND DETAILS	CIV-CF-COA-SKT-31020	C1
6	LAUNDRY GENERAL ARRANGEMENT PLAN SHEET 1	CIV-CF-COA-SKT-41010	C1
7	LAUNDRY BLOCK WORK DETAILS	CIV-CF-COA-SKT-41020	C1
8	Cover Sheet & Drawing Index	S2-CIV-CF-COA-SKT-0300	2
9	General Notes	S2-CIV-CF-COA-SKT-0301	2
10	Overall Site Layout Plan	S2-CIV-CF-COA-SKT-0307	2
11	Civil Details – Sheet 1 of 2	S2-CIV-CF-COA-SKT-0320	2
12	Civil Details – Sheet 2 of 2	S2-CIV-CF-COA-SKT-0321	2
13	Combined Services Plan - Sheet 1 of 2	S2-CIV-CF-COA-SKT-0350	2
14	Combined Services Plan - Sheet 2 of 2	S2-CIV-CF-COA-SKT-0351	2
15	Erosion & Sediment Control Layout Plan	S2-CIV-CF-COA-SKT-0400	2
16	Erosion & Sediment Control Details	S2-CIV-CF-COA-SKT-0420	2
17	Bulk Earthworks Layout Plan – Sheet 1	S2-CIV-CF-COA-SKT-0500	2



18	Bulk Earthworks Layout Plan – Sheet 2	S2-CIV-CF-COA-SKT-0501	2
19	Roadworks Layout Plan - Sheet 1 of 2	S2-CIV-CF-COA-SKT-0600	2
20	Roadworks Layout Plan - Sheet 2 of 2	S2-CIV-CF-COA-SKT-0601	2
21	Roadworks Typical Sections - Sheet 1 of 2	S2-CIV-CF-COA-SKT-0610	2
22	Roadworks Typical Sections - Sheet 2 of 2	S2-CIV-CF-COA-SKT-0611	2
23	Roadworks Typical Details - Sheet 1	S2-CIV-CF-COA-SKT-0620	2
24	Roadworks Longitudinal Sections - Sheet 1 of 4	S2-CIV-CF-COA-SKT-0630	2
25	Roadworks Longitudinal Sections - Sheet 2 of 4	S2-CIV-CF-COA-SKT-0631	2
26	Roadworks Longitudinal Sections - Sheet 3 of 4	S2-CIV-CF-COA-SKT-0632	2
27	Roadworks Longitudinal Sections - Sheet 4 of 4	S2-CIV-CF-COA-SKT-0633	2
28	Roadworks Cross Sections - Sheet 1 of 4	S2-CIV-CF-COA-SKT-0640	2
29	Roadworks Cross Sections - Sheet 2 of 4	S2-CIV-CF-COA-SKT-0641	2
30	Roadworks Cross Sections - Sheet 3 of 4	S2-CIV-CF-COA-SKT-0642	2
31	Roadworks Cross Sections - Sheet 4 of 4	S2-CIV-CF-COA-SKT-0643	2
32	Vehicle Swept Paths – Sheet 1 of 7	S2-CIV-CF-COA-SKT-0650	2
33	Vehicle Swept Paths – Sheet 2 of 7	S2-CIV-CF-COA-SKT-0651	2
34	Vehicle Swept Paths – Sheet 3 of 7	S2-CIV-CF-COA-SKT-0652	2
35	Vehicle Swept Paths – Sheet 4 of 7	S2-CIV-CF-COA-SKT-0653	2
36	Vehicle Swept Paths – Sheet 5 of 7	S2-CIV-CF-COA-SKT-0654	2
37	Vehicle Swept Paths – Sheet 6 of 7	S2-CIV-CF-COA-SKT-0655	2
38	Vehicle Swept Paths – Sheet 7 of 7	S2-CIV-CF-COA-SKT-0656	
39	Pavement Layout Plan - Sheet 1 of 2	S2-CIV-CF-COA-SKT-0660	
40	Pavement Layout Plan - Sheet 2 of 2	S2-CIV-CF-COA-SKT-0661	
41	Pavement Details	S2-CIV-CF-COA-SKT-0665	
42			
43			
44			
45			

Edilsider Layout Drawings

S2-CIV-CF-CAM-SKT-8127_A Short Term Accommodation

S2-CIV-CF-CAM-SKT-8128_A Long Term Accommodation.pdf

S2-CIV-CF-CAM-SKT-8129_A Community Hall.pdf

S2-CIV-CF-CAM-SKT-8148_A Male Toilet.pdf

S2-CIV-CF-CAM-SKT-8149_A Female Toilet.pdf

S2-CIV-CF-CAM-SKT-8179_A Long Term Accommodation .pdf



Edilsider Structural

S2-CIV-CF-CAM-SKT-8527_A_Foundations loads - SHORT TERM ACCOMMODATION

S2-CIV-CF-CAM-SKT-8528_A_Foundations loads - LONG TERM ACCOMMODATION

S2-CIV-CF-CAM-SKT-8529_A_Foundations loads - CLUB

S2-CIV-CF-CAM-SKT-8548_A_Foundations loads - MALE TOILET

S2-CIV-CF-CAM-SKT-8548_A_Foundations loads - FEMALE TOILET

S2-CIV-CF-CAM-SKT-8579_A_Foundations loads - LONG TERM ACCOMMODATION



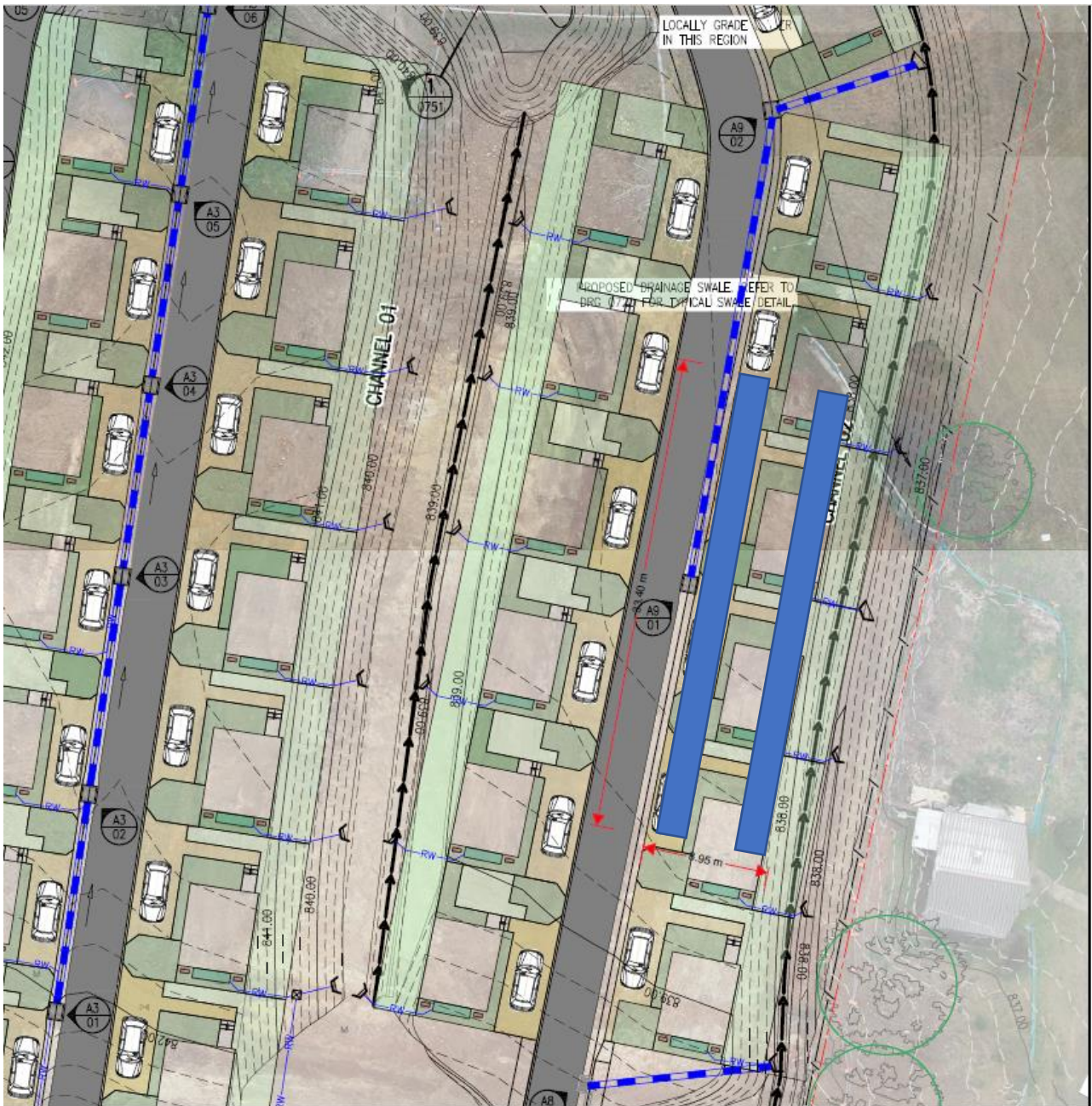
Appendix B: Responsibility Matrix

No.	Description	Provided by	
		Subcontractor	Contractor
General			
1	Accommodation	X	
2	Personnel transport from accommodation to worksites	X	
3	Medical and first aid facilities on site	X	X
4	Site emergency response		X
5	Recruitment, training, and medicals	X	
6	Site Inductions		X
7	Personal Protective Equipment (PPE)	X	
Site Establishment			
8	Site access roads including permits		X
9	Laydown area	X	
10	Surface drainage/Dewatering	X	
11	Temporary isolation fencing/barricading	X	
12	Site offices – Subcontractor use only	X	
13	Cribs and ablutions – Subcontractor use only	X	
14	Workshop / Warehouse – Subcontractor use only	X	
15	Power supply - Subcontractor use only	X	
16	Water supply – Construction from stand pipe		X
17	Temporary power and lighting – Subcontractor use only	X	
18	Communications e.g., two-way UHF handheld radios, telephones etc.	X	
19	Bulk fuel supply	X	
20	Fuel trucks / dispensing systems at work sites	X	
21	Skip bins and waste management – Subcontractor generated waste	X	
Services			
22	Work methods and safety documentation	X	
23	Project Quality Plan	X	
24	Quality Coordination (Site Engineer) incl. of services subcontractors	X	
25	Geotechnical testing/ investigations e.g., drilling, mapping etc.		X
26	Surveyor	x	X
27	Concrete Placing	X	
28	Lifting	X	
29	Loading/Unloading deliveries	X	



Appendix C: Program

Appendix D: CAST SLAB OPTION



CASTING SLAB OPTION 1 - LONG TERM AREA

2 off Slabs 33.00m x 2.00m x 125mm.

32MPA SL82 mesh



Pacific Hill

Bill of Quantities

Precast concrete foundations

Short Term Accomodation								
Type	No off	Units	Total No	Length	Width	Depth	Volume	Tonnes
PF1	16	10	160	750	750	400	0.225	0.55
PF2	6	10	60	900	900	400	0.324	0.79
Long Term Accomodation								
Type	No off	Units	Total No	Length	Width	Depth	Volume	Tonnes
PF1	6	36	216	750	750	400	0.225	0.55
PF2	3	36	108	900	900	400	0.324	0.79
Communal hall								
Type	No off	Units	Total No	Length	Width	Depth	Volume	Tonnes
PF1	12	1	12	750	750	400	0.225	0.55
PF2	42	1	42	900	900	400	0.324	0.79
Toilet Block								
Type	No off	Units	Total No	Length	Width	Depth	Volume	Tonnes
PF1	6	2	12	750	750	400	0.225	0.55

GRAND TOTALS

				Length	Width	Depth	Volume	Tonnes
PF1			400	750	750	400	0.225	0.55
PF2			210	900	900	400	0.324	0.79