



**PRELIMINARIES  
DESIGN & CONSTRUCT**

**POOL FILTRATION & WATER TREATMENT  
STAGE 2 WORKS**

**CONTRACT NO: 1799187**

**CABONNE COUNCIL  
DATE: 4/2/2025**

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# Preliminaries

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## 2 Preliminaries

### 1 General

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#### 1.1 Application

For the avoidance of doubt, all actions and obligations specified in this document are the responsibility of the Contractor unless stated otherwise. Refer to clause 7.2 of the General Conditions of Contract for the relationship between this document and other Contract Documents.

#### 1.2 Electronic communications

The parties agree and consent that notices and communications may be by electronic communication in accordance with the *Electronic Transactions Act 2000* (NSW).

#### 1.3 Use of Qualified Designers, engineers and specialists

Use persons professionally qualified and experienced in the relevant disciplines when completing the design of the Works. Use persons registered under the *Design and Building Practitioners Act 2020* (NSW) (DBP Act) where required by law.

Obtain and provide the design compliance declarations under the DBP Act for work under the contract to which the DBP Act applies. Note that for Crown building work, design compliance declarations may be submitted on an incremental basis.

For more information on obligations under the DBP Act refer to:

<https://www.fairtrading.nsw.gov.au/trades-and-businesses/construction-and-trade-essentials/DBP-regulated-buildings>

and

<https://www.fairtrading.nsw.gov.au/news-and-updates/notices/changes-coming-class-3-and-9c-buildings-2023>.

#### 1.4 Use of Qualified Tradespersons

Use qualified tradespersons to carry out the Works. The use of such persons will not relieve the Contractor of liability for the fitness of the Works for the purposes required by the Contract.

#### 1.5 Licences, consents and approvals

The Principal has obtained the licences, approvals and consents for the Site and the Works as listed in Contract Information item 14. Refer to General Conditions of Contract clause 12 - **Statutory Requirements** for Contractor responsibilities.

#### 1.6 Exchange of information between government agencies

The Contractor authorises the Principal and its employees and agents to make information concerning the Contractor and its performance available to other government agencies and local government authorities, which may take such information into account in considering whether to offer the Contractor future opportunities for work.

The Principal regards the provision of information about the Contractor to any government agency or local government authority as privileged under the *Defamation Act 2005* (NSW). The Contractor agrees that it will have no entitlement to make any *claim* against the Principal in respect of any matter arising out of the provision or receipt of such information.

## **2 Documents**

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### **2.1 Contractor's tender concept design**

In preparing the *Contractor's Documents*, do not alter the concept design (including associated details) tendered by the Contractor and accepted by the Principal (the Tender Concept Design) without the Principal's agreement.

Floor Plan showing placement of all equipment. Contractor to demonstrate adequate space has been considered for maintenance and operational functions.

Elevation view

### **2.2 Inclusions in Contractor's documents**

The *Contractor's Documents* must include, without limitation:

- Detailed design submitted to the Principal for approval prior to construction works commencing.
- Construction Program showing the critical path
- Site Specific WHS Management Plan (WHSMP);
- Quality Management Plan (QMP) and Inspection & Test Plans (ITPs);
- Construction Environmental Management Plans (CEMP). As a minimum CEMP must contain the following Sub-Plans:
  - a. Waste Management Plan;
  - b. Emergency/Evacuation Plan
- Evidence of Current Insurances – Workers compensation, public liability and professional indemnity.
- Warranties
- All other items referenced in in General Conditions of Contract clause 39.9

### **2.3 Work as executed drawings**

Progressively produce work as executed drawings. Submit work as executed drawings for covered services within 14 days of being covered. Submit work as executed drawings showing other work which has been completed within 28 days after completion of that work. Endorse each drawing certifying accuracy and correctness.

Submit the drawings.

Any CAD files submitted must be in DGN, DWG, or DXF format. The Contractor must ensure that any CAD files submitted will correctly display and print in Autocad.

## 2.4 Operation and maintenance manuals

### General

Produce operation and maintenance manuals written in clear, concise English covering the various building elements, assemblies, equipment, service installations and systems incorporated into the Works. Comply with this Clause - **Operation and Maintenance Manuals** and any detailed requirements contained in the Technical Specification.

### Contents

Include the following documents and information:

- **Table of Contents:** A table of contents for each volume.
- **Directory:** Names, addresses, telephone, email and facsimile numbers of the Contractor and relevant subcontractors, suppliers and consultants. Include emergency contact details.
- **Certificates:** Certificates from relevant authorities, copies of manufacturers' warranties and product certificates.
- **Drawings and Technical Data.**
- **Equipment Descriptions.**
- **Operation and Maintenance Procedures:** Operating instructions, including technical maintenance information; preventive and corrective maintenance procedures and manufacturers' technical literature.
- **Maintenance Records:** Records of any maintenance completed by the Contractor.

### Format – Electronic Copy

Provide the specified documentation in PDF or equivalent electronic file format.

### Submission

Not less than 7 days before *Completion* of the Works is reached, submit 3 hard copies and 1 electronic copy of the operation and maintenance manuals.

## 2.5 Restricted documents

All documents marked “Restricted”, and any other documents the Principal notifies as “Restricted” are classified maximum security documents. No copies are to be made or retained by the Contractor, subcontractors, suppliers, agents or anyone else other than for the Contract.

All originals and copies of restricted classification documents are to be returned to the Principal on *Completion* of the relevant *Milestone* or the Works, as applicable.

## 2.6 NATSPEC subscription

If any of the *Contractor's Documents* are based on NATSPEC, provide to the Principal proof of the Contractor's current NATSPEC subscription.

## 2.7 Contract Program Progress Report

Submit by the 5th *Business Day* of the month, a progress report comparing the current *Contract Program* provided in accordance with clause 22.3.1 of the General Conditions of Contract - **Contract Program** with the *Contract Program* provided for the previous month. Include the following in the report:

- reasons for any change in the *Scheduled Progress* of significant activities and any proposed steps to make good any shortfall in *Scheduled Progress*;
- reasons for any divergence in activity logic or sequencing in the *Contract Program*, including where the *Contract Program* has been updated due a change in scheduling;
- any changes in the critical path and the reasons for those changes; and
- any critical path activities which are being delayed or at risk of being delayed due to an act of the Principal..

Additionally, include in the Progress Report:

- a schedule showing for each *Milestone* or where there are no *Milestones*, the whole of the Works, the anticipated date for *Completion* compared with the current agreed *Contractual Completion Date*;
- reasons if the updated *Contract Program* is predicting *Completion* will be achieved ahead of *Scheduled Progress*, that is, ahead of the agreed *Contractual Completion Date*; and
- a register of *Claims* for extensions of time submitted under clause 50 of the General Conditions of Contract – **Changes to Contractual Completion Dates** and complying with clause 68.3 of General Conditions of Contract – **Contractor’s Claims** including their reason, submission date and current status of approval or assessment by the Principal or Valuer with respect to the relevant clauses in the General Conditions of Contract.

### Software

Submit all *Contract Programs* as electronic documents. The software used must be the latest version of MS Project or as otherwise agreed with the Principal.

## 3 Contracting

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### 3.1 Application of Tendered Rates

As defined in General Conditions of Contract, a *Rate Item* is an item of work for which payment will be calculated by multiplying the measured quantity of work, carried out in accordance with the Contract, by the rate accepted for that work

Conditions apply to payment for *Rate Items* in the Tender Schedules - **Schedule of Prices -Lump Sum**. *Rate Items* are referenced by their Item No.

### 3.2 Payment claims for lump sum items

A claim for payment of any proportion of a lump sum, including any lump sum in a *Schedule of Rates* or *Schedule of Prices*, must be expressed as a percentage.

### 3.3 Currency fluctuation

#### Requirement

If a price was tendered in a foreign currency for an item, then the amount payable by the Principal for the item will be in Australian currency calculated by applying the spot selling rate for the purchase of the foreign currency at the Westpac Bank at the close of business on the 14<sup>th</sup> day after the Date of Contract or if the day is a Bank Holiday in New South Wales, the following trading day.

### 3.4 Customs Duty

#### Requirement

If the Contract includes a completed Tender Schedules - **Schedule for Adjustment of Customs Tariffs**; and

- an item in the Schedule is imported into Australia after the 14<sup>th</sup> day prior to the date on which tenders closed; and
- upon importation, the customs duty tariff rate on the item (other than dumping duty) is greater or less than the tariff rate on the 14<sup>th</sup> day prior to the date on which tenders closed,

then the actual extra cost or saving resulting solely from the change in the tariff rate will be paid or allowed by one party to the other as the case may require. Provide, on request, proof of the amount paid as customs duty and the date of payment.

### 3.5 Preferred Subcontractors

The Contract includes the following work which is to be subcontracted from the following list of *Preferred Subcontractors*. Refer to General Conditions of Contract clause 29 - **Engaging Subcontractors**.

Preferred Subcontract 'Class of Work'	Preferred Subcontractors

### 3.6 Priced Builder's Bill Of Quantities

Lodge with the Principal a priced Builder's Bill of Quantities.

Separately identify, quantify and price within the Builder's Bill of Quantities the Preliminaries and all Technical Sections of the Specification. The prices and rates as extended must, on addition, equal the Lump Sum.

Prices in the Builder's Bill of Quantities do not form part of the Contract. Their purpose is to assist in making valuations of works carried out but the Principal is not bound to use them.

## 4 Administration

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### 4.1 Quality management requirements

#### Quality Management System

Maintain the Contractor's Quality Management System. Obtain evidence from proposed subcontractors and certify that subcontractors' quality management systems meet the requirements of the Contractor's Quality Management System.

#### Quality Management Plan

The Quality Management Plan must cover the relevant elements of the Contractor's responsibilities under the contract. The Quality Management System shall include an index of the Contractor's quality procedures and proposed Inspection and Test Plans and associated checklists.

#### Design Plan

Prior to commencing design work, prepare and implement a Design Plan complying with intent of the contract, covering each phase of *Design* and addressing the key activities.

#### Construction standards and conformance

Refer to Preliminaries clause - **Standards** for the application of Australian and International Standards.

#### Managing work quality

Prepare and implement Inspection and Test Plans, complying with the intent of the contract, incorporating the Hold and Witness points specified in the Contract.

Submit copies of Inspection and Test Plans and checklists not less than 7 days before commencing the work to which they apply. Also submit certification that the relevant quality management plans and Inspection and Test Plans of subcontractors and Consultants meet the requirements of the intent of the contract. Do not start any work before the relevant documentation is submitted.

Give at least 24 hours notice prior to reaching a Hold or Witness point.

Do not proceed beyond a Hold point without endorsement by the Principals Representative.

The Principal, at its discretion, may inspect the work at a Witness point, but work may proceed without endorsement.

Endorsement by the Principal at a Hold or Witness point does not release the Contractor from its obligations to achieve the specified requirements of the Contract.

The Principal, at its discretion, may undertake surveillance (monitoring) of any or all work associated with the Contract.



### Conformance records

Submit copies of *Conformance Records* as specified, including:

<b>Conformance Records</b>	<b>Time when records are required</b>
Management reports including WHS and environmental monthly reports	No later than the fifth (5th) <i>Business Day</i> of each month, or as otherwise specified.
Waste Management Progress Report	No later than the fifth (5th) <i>Business Day</i> of every second month
Completed Inspection & Test Plans and associated checklists	With each <i>Payment Claim</i> .  Quality records for work completed over multiple payment periods must be submitted progressively.
Work as Executed drawings	As per Preliminaries clause - <b>Work as executed drawings</b>
Operation and Maintenance manuals	As per Preliminaries clause - <b>Operation and Maintenance manuals</b>
Product and service Conformance Records	Not less than 7 days before <i>Completion</i> of the Works is reached.
Certification of steel material, products and processes	As per Preliminaries clause - <b>Quality management requirements - Certification of compliance with steel and steel work standards</b>

### Failure to Comply

If the Contractor fails to comply with the requirements of this clause – **Quality Management**, the Principal may implement such inspections and tests as the Principal determines and the cost incurred by the Principal will be a debt due from the Contractor. Alternatively, the Principal may make deductions from payments due to the Contractor for work not carried out.

## 4.2 Protection of children and other vulnerable people

### Code of behaviour

Ensure that all persons working on the Site, including but not limited to the Contractor’s employees and managers, consultants, subcontractors and suppliers (Contractor Employees) understand and comply with the requirements shown below:

- Obtain permission to enter a school or facility before commencing work and only enter approved areas. The Contractor’s representative or where a Subcontractor is working without the supervision of the Contractor, the Subcontractor’s representative must report their presence to the person in charge of the school or facility on arrival each day and record, in the Site Visit Log, the details of all Contractor’s or Subcontractor’s employees working at that Site that day.

- Avoid talking with, touching or interacting with any children or residents or other users of the school or facility except where the work requires it or in an emergency or safety situation.
- Use only approved toilets and other facilities, unless the person in charge of the school or facility gives written authority to use alternative arrangements.
- Ensure that work areas are not able to be used or accessed by children, or residents or other users of the school or facility while work is in progress. Erect clear signs and barricades (where appropriate) to prevent any inadvertent or unauthorised access.
- Ensure that appropriate privacy is maintained when working on toilets and similar facilities. Verify that toilets and similar facilities are not occupied or in use by children, residents or other users before entering to perform work, and that work does not continue when use of the facilities is required. Where practicable male employees should perform work on male facilities and female employees on female facilities.
- Wear clothing that is tidy and in good condition, including a shirt and shorts, trousers or a skirt at all times.
- Report any concerns about children's behaviour or child abuse to the person in charge of the school or facility.
- Wear or carry an identity card at all times when on the Site.

Ensure that all persons working in areas considered high risk or as otherwise identified complete a written declaration that they have not been convicted and are not awaiting trial for a *Disqualifying Offence* as defined in Schedule 2 of the *Child Protection (Working with Children) Act 2012* (NSW). Keep copies of the declarations with site induction records.

### **4.3 Audit and review**

Make available, on request, all records, including those of or relating to subcontractors or suppliers, relevant to compliance with requirements of the Contract, for the purposes of audit, review or surveillance. Provide all reasonable assistance during the audits or reviews including attendance by the Contractor.

Promptly implement effective corrective action on matters disclosed by audit or review.

## **5 Site**

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### **5.1 Order of work**

The Works are to be completed in the following order:

The entire scope of works is to be completed under the contract. The tenderers proposed order of works is to be detailed within the tender submission, Schedule of Program information.

Pending assessment of the submitted Schedule, Cabonne may elect to modify the Program to ensure certain facilities are open for the Swimming season.

### **5.2 Site access and limitations**

Site access conditions applying to the work under the Contract are:

- The Contractor shall be responsible for the proper maintenance of all access points used throughout the duration of the Contract and the reinstatement upon completion of the Works.
- The Contractor shall ensure that safe access is maintained for the Principal's personnel and representatives and other Contractors onto the work sites.
- Adequate signage and fencing at work sites shall be provided by the Contractor to advise the public of the Works and to prevent pedestrian and vehicle access whilst construction work is being undertaken.
- The Contractor shall so organise its work that at all times there is adequate and safe access for traffic to properties adjacent to and for traffic along all streets and roads.
- Written permission from the Principal shall be obtained by the Contractor for any occasion where pedestrian or vehicular traffic access to any premises is to be blocked for more than 15 minutes.
- Following approval from the Principal, the Contractor shall be responsible for providing written notice to the property owner, tenant or business proprietor at least 24 hours prior to the interruption of access. The notice should advise the reason for the interruption of access, whether it shall affect pedestrian or vehicular access and the expected duration of the interruption.
- Should unexpected interference occur or be required for emergency reasons, the Contractor shall immediately communicate this to the affected property owner/s, tenant/s or business proprietor/s, and do everything reasonably possible to reinstate access as soon as possible.
- The Contractor shall provide facilities for the use of public and private traffic in the manner of temporary bridging etc., as directed by the Principal.

### **5.3 Occupied premises**

#### **Principal's Access**

Provide safe access, for the Principal and authorised persons notified to the Contractor by the Principal, to parts of the Site which continue to be occupied.

#### **Contractor's Responsibility**

Take responsibility for the suitability of all workers and subcontractors on Site, set reasonable standards of conduct, investigate complaints about their behaviour and take appropriate action including removal of persons from Site if so warranted.

### **5.4 Existing services**

#### **Preventing Unplanned Contact with Live Services**

Take responsibility for locating existing services, including underground essential services, and isolating them where necessary to prevent unplanned contact with live services. In doing so, comply with the NSW Government *Code of Practice Construction Work* available on the Safework NSW website.

#### **Locating Existing Services**

Before starting construction work:

- appoint a Site manager or Contractor's representative to be responsible for locating and preventing unplanned contact with existing services; and
- verify the precise locations of all underground and other existing services at the Site, and in areas adjacent to the Site that may be affected by the work under the Contract.

To locate existing services, a combination of different methods should be used, including:

- obtain advice from Dial Before You Dig and the owners of the services (do not rely on WAE or as-built drawings)
- engage a services locator;
- examine the Site and surrounding areas for indications of services; and
- where any service is underground, use pot-holing (or equivalent non-destructive techniques) to locate the service (ensure all holes are promptly backfilled to reduce safety risks).

Mark prominently on the Site the locations of all existing services. Document the locations of services on a site plan and provide a copy of the plan to each Subcontractor before the Subcontractor starts work on the Site.

Provide written confirmation to the Principal that these actions have been completed before starting construction work.

### **Isolation of Existing Services**

Before undertaking any work involving cutting into, penetrating, or otherwise breaking into building fabric (floor, walls or ceiling), ensure the services are isolated in the relevant work area.

Wherever reasonably practical and with the prior agreement of the Principal, isolate electrical and gas services for the whole building where work is being carried out, before starting work on existing building services.

Notify the Principal and the appropriate persons within the facility of any proposed disruption of services in sufficient time to enable affected personnel to be informed and any changes to operations to be made. Consult with the Principal prior to issuing the notification.

Include in the notification:

- details of the service to be disrupted;
- the date and time that the disruption will commence;
- the estimated duration of the disruption and when the service will resume operation;
- the possible impact of the disruption (e.g. loss of power, loss of gas); and
- any other relevant information.

On completion of the work and the resumption of the services, check all penetrations for live or damaged services and give the following to the Principal:

- a clearance certificate that affected utilities and equipment (e.g. heaters, boilers) have been tested and are functioning appropriately; and

- the name and phone number of a responsible person, appointed by the Contractor, who can be contacted if problems are experienced with any of the affected utilities or equipment.

### **Interference with Existing Services**

Deal with existing services (such as drains, watercourses, public utilities, telecommunications and other services) obstructing the Works or damaged in the course of the Contract as follows:

- if the service is to be continued: repair, divert or relocate as required;
- if the service is to be abandoned: cut and seal or disconnect and make safe as required;
- record all changes made to the services on drawings, with sufficient detail to allow changes to be identified.

### **Cost and Delay**

Where an existing service obstructs the Works and requires diversion or relocation, bear all resulting costs and delays except to the extent that there is an entitlement to an adjustment of the *Contract Price* or payment for a *Variation* in accordance with General Conditions of Contract clause - **Site Conditions**.

Where an existing service is damaged by the Contractor for any reason whatsoever, bear all costs and any delays for repairing or disconnecting the service.

### **Notification**

Notify the Principal immediately upon discovering any damaged services or services that obstruct the Works and are not shown in the *Principal's Documents*. Refer to the definition of *Principal's Documents* with regard to services included in documents prepared by the Principal.

## **5.5 Protection of Survey Marks**

### **Preventing unplanned disturbance of Survey Marks**

Take responsibility for locating, protecting and replacing Survey Marks. Survey Marks include Permanent Survey Marks and Cadastral (Boundary & Reference) Marks.

### **Locating and protecting Survey Marks**

Before starting construction work:

- appoint a Site manager or Contractor's representative to be responsible for locating, documenting, protecting and replacing Survey Marks;
- verify the precise locations of all Survey Marks likely to be affected by carrying out work under the Contract, including in areas outside the Site, by:
  - referring to publications by the NSW Department of Consumer Services (DCS) - Spatial Services, particularly the information sheet *Protecting Survey Marks* available in *Information sheets* under the Publications tab at: <https://www.spatial.nsw.gov.au/>;
- complying with subsections 1 and 3 of the section *How to protect survey marks – before Works commence* in the above Information sheet;

- utilizing the services of a Registered Surveyor where Survey Marks, including Cadastral Marks, are not readily identified or are likely to be disturbed during searches.
- document the locations of Service Marks (if any) on the site plan showing existing services that is provided to subcontractors. Extend the plan, as required, to show Survey Marks outside the Site that may be affected by work under the Contract; and
- provide written confirmation to the Principal that this action has been completed before starting construction work.

### **Disturbing or removing Survey Marks**

Where Survey Marks are required to be removed, disturbed or replaced, engage a Registered Surveyor to manage the process in compliance with Surveyor-General's Directions, Direction No. 11, *Preservation of Survey Infrastructure* available under the Surveying tab at: <https://www.spatial.nsw.gov.au/>

### **Notification**

Notify the Principal immediately upon discovering any unauthorised removal, disturbance or destruction of Survey Marks. Utilize the services of a Registered Surveyor to notify the Surveyor General and receive advice, as required, on further action(s) regarding the replacement or re-establishment of the affected Survey Marks.

## **5.6 Work health and safety management**

### **Design**

There are obligations under section 22 of the WHS Act, for persons who design plant, substances and Structures. Consult with the Principal to identify any risks to health and safety arising from the design.

Ensure, in carrying out the design that, so far as is reasonably practicable, the *Works* and *Temporary Work*, including all structures and plant, are designed to be without risks to anyone who constructs, uses, maintains, or demolishes the *Works* and *Temporary Work*.

When undertaking design, carry out any calculations, analysis, testing or examination that may be necessary to eliminate or minimise risks. Provide current relevant information on any risks arising from the design to anyone who constructs the *Works* and *Temporary Work*.

Provide a Safe Design Report for design carried out for the *Works* and *Temporary Work*, particularly the design of any structures and plant. Record any hazards not eliminated in the design that may impose a risk to those constructing, using, maintaining or demolishing the *Works* and *Temporary Work*.

Provide an updated copy of the Safe Design Report to the Principal at *Completion* or at the date the Works commence being occupied or taken over, whichever is earlier.

### **WHS Management Plan**

Develop and implement a WHS Management Plan that covers the work under the Contract and complies with the Work Health and Safety Act 2011 and the Work Health and Safety Regulations 2017.

Submit the WHS Management Plan to the Principal within the time stated in Contract Information item 15A,

Ensure the following risks are covered in the WHS Management Plan:

This list of risks is not exhaustive and must not be relied upon by the Contractor. Undertake a detailed analysis of all work health and safety risks involved with work under the Contract.

Include a program indicating the timetable and resources allocated for *Inspection, testing and servicing* and *Internal review* as deemed necessary for complies with the WHS Act and Regulations.

Consult with all occupiers of the Site to coordinate the Contractor's emergency and evacuation plan with their emergency and evacuation plans.

### **WHS Management Monthly Report**

Submit when requested. No later than the fifth (5<sup>th</sup>) *Business Day* of each month, submit a WHS Management Monthly Report, detailing *Inspection, testing and servicing* activities, *Internal reviews* and *Incident management and corrective action*, as evidence of the implementation of the WHS Management Plan during the previous month.

As a minimum, the WHS Management Monthly Report must include the following information:

#### **Contract Details**

- Contract name
- signature and date
- Contractor
- period covered
- Contractor's representative

#### **Implementation of *Inspection, testing and servicing* procedures**

Summary of WHS inspections and tests carried out for:

- plant and equipment
- work Site access and exits
- incoming products
- personal protective equipment (PPE)
- compliance with and completeness of Risk Assessments, Safe Work Method Statements and Site Safety Rules

#### **Implementation of *Incident management and corrective action* procedures**

Details of:

- WHS incidents or WHS issues, including non-compliance with WHS processes and procedures and near misses
- implementation of incident management
- implementation of corrective action
- WHS statistics for the Contract including:

	This Month	Total Cumulative
Number of Lost Time Injuries		
Number of Hours Worked		
Number of Hours Lost Due to Injury		
Lost Time Injury Frequency Rate LTIFR		
Number of WHS Management Audits		
Number of WHS Inspections		

### Implementation of *Internal Reviews*

Details of internal reviews, including audits and inspections, undertaken to verify that on-site WHS processes and practices conform with the WHS Management Plan including:

- System element(s) and activities audited and/or reviewed
- Non-conformance(s), improvement(s) identified and corrective action(s) taken
- Details of auditors and reviewers and dates and durations of audits and reviews
- Copies of third party audit reports and details of the Contractor's responses to the reports.

### Incident Reports

Ensure compliance with the notification and other requirements of the *Work Health and Safety Act 2011* (NSW) sections 35-39 for any notifiable incident, including immediate notification to SafeWork NSW.

Notify the Principal of any notifiable incident and any incident requiring medical treatment or involving lost time as soon as possible after the incident.

Provide a written report to the Principal within twenty-four hours after the incident, giving details of the incident and evidence that requirements of the *Work Health and Safety Act 2011* (NSW) have been met.

When requested, provide to the Principal an incident investigation report, including identification of the root cause of the incident and corrective actions taken, in the form directed.

### Prohibition, Improvement, Non-disturbance and Penalty Notices

Immediately notify the Principal of any Prohibition, Improvement, Non-disturbance or Penalty Notice issued by SafeWork NSW for any work under the Contract. Provide the Principal with a copy of the Notice and written details of the corrective action taken by the Contractor and/or the applicable Subcontractor to rectify the breach and to prevent recurrence.



### Electrical work

In compliance with clauses 154-156 of the *Work Health and Safety Regulation 2017* (NSW), ensure that electrical work is not carried out on electrical equipment while the equipment is energised, except when, in accordance with clauses 157–162 of the *Work Health and Safety Regulation 2017* (NSW), it is necessary in the interests of health and safety that the electrical work be carried out on the equipment while the equipment is energised.

At the completion of electrical work, provide a *Certificate of Compliance – Electrical Work* (CCEW) signed by a licensed electrician, setting out details of the installation work that has been carried out and confirming that the work complies with AS/NZS 3000 and is suitable for its intended use. The provision of the CCEW is a condition of achieving *Completion* of the relevant *Milestone* or the Works, as applicable.

### Formwork

Comply with the relevant *Statutory Requirements*, standards, codes and guidelines in respect of the design, construction and use of formwork, including but not limited to:

- AS 3610-1995 *Formwork for Concrete*; and
- SafeWork NSW *Formwork Code of Practice*.

Ensure that, for both horizontal and vertical formwork, before a concrete pour where:

- the formwork surface is 3 metres or more above the lowest surrounding ground; or
- the area of the formwork surface is 16 square metres or greater,

an independent structural engineer, inspects and certifies that the formwork meets design specifications and complies with AS 3610–1995 *Formwork for Concrete*. The scope of any certification work must be documented to show what has been inspected and certified.

‘Structural engineer’ means a person qualified for member grade of the Australian Institution of Engineers having not less than 4 years professional engineering experience in the design of structures and formwork.

The engineer must not have a conflict of interest as defined in section 29 of the *Building and Development Certifiers Act 2018*.

Include the inspection and certification as actions in Safe Work Method Statements for the erection and use of formwork and as Hold points in the Contractor’s and subcontractors’ Inspection and Test Plans.

Submit formwork certification before commencing the use of the formwork. Do not use the formwork before this certification is submitted.

## 5.7 Hazardous substances discovered unexpectedly on the Site

### Definition

‘**Hazardous substances**’ are substances, whether solid, liquid or gas, that may cause harm to a person’s health. They include chemicals listed in the Hazardous Chemical Information System (HCIS) documentation published by Safe Work Australia, restricted substances referenced in the *NSW Work, Health and Safety Regulation (2017)* and substances designated by their manufacturer or other authorities as hazardous.

Asbestos, material containing asbestos, polychlorinated biphenyl (PCB) and lead based paints are hazardous substances. For the purposes of this clause, these substances are referred to as 'Nominated Hazardous Substances'.

Other substances in certain situations are also considered hazardous and therefore require controlled handling in accordance with *Statutory Requirements*. Examples are glues, solvents, cleaning agents, paints, water treatment chemicals and materials containing silica.

### **Response to unexpected discovery**

The requirements of this clause apply when a Nominated Hazardous Substance whose presence is not identified in the *Contract Documents* is discovered unexpectedly on the Site. General Conditions of Contract clause – **Site Conditions** does not apply.

If any Nominated Hazardous Substance is discovered unexpectedly on the Site, suspend all work that may result in exposure to the substance and notify the Principal immediately of the type of substance and its location. The suspension will be deemed to be a suspension by the Principal under General Conditions of Contract clause – **Principal's suspension** to the extent that it was required to prevent such exposure.

With the initial notification, or otherwise within 1 *Business Day* of discovery, submit details, to the extent available, including:

- the additional work and resources the Contractor estimates will be necessary to deal with the Nominated Hazardous Substance so that work and subsequent use of the Works may proceed safely and without risk to health;
- the Contractor's estimate of the cost of the measures necessary to deal with the Nominated Hazardous Substance;
- the Contractor's estimate of the anticipated effect on *Contractual Completion Dates*; and
- other details reasonably required by the Principal.

In planning and carrying out any work dealing with the Nominated Hazardous Substance, the Contractor must take all reasonable steps to:

- carry out the work concurrently with other work wherever possible; and
- otherwise minimise the effects of the work on the *Contractual Completion Date(s)*.

### **Control and decontamination**

When notified that a Nominated Hazardous Substance has been discovered unexpectedly on the Site, the Principal may:

- suspend the whole or any part of the work, in accordance with General Conditions of Contract clause - **Principal's suspension**, until the substance is isolated or removed; or
- instruct the Contractor to take responsibility for the control of the Nominated Hazardous Substance and decontamination of the Site, and treat any necessary additional work as a *Variation*.

Where required, under the Contract or following an instruction from the Principal, to take responsibility for the control of hazardous substances and decontamination of the Site,

handle, use, isolate, remove and dispose of such substances in accordance with *Statutory Requirements*.

The Environment Protection Authority or Waste Service NSW may advise suitable disposal sites.

### **Working Hours**

When required to decontaminate occupied Sites containing hazardous substances, all such decontamination must be carried out outside normal hours of occupation unless otherwise approved in writing by the Principal. Normal hours of occupation are:

**MONDAY TO FRIDAY 7:00 AM - 6:00 PM.**

**SATURDAYS 8:00 AM - 1:00 PM.**

**NO WORK ON SUNDAYS OR PUBLIC HOLIDAYS.**

### **Requirement**

Comply with the relevant *Statutory Requirements*, standards, codes and guidelines in respect of any asbestos removal work, including but not limited to:

- SafeWork NSW requirements
- SafeWork NSW Code of Practice *How to manage and control asbestos in the workplace*
- SafeWork NSW Code of Practice *How to safely remove asbestos*
- SafeWork NSW *Managing Asbestos in or on Soil*
- *NSW Work, Health and Safety Regulation (2017)*

Comply with the requirements of any Asbestos Management Plan that applies to the Site or the building where removal is taking place.

### **Notification and Permit**

Not less than 7 days prior to starting any asbestos removal work, notify the Principal of the intention to carry out that work. Provide a copy of the asbestos removal contractor's licence and a copy of any permit required for the work.

### **Monitoring**

For all friable asbestos removal and for non-friable asbestos removal in occupied areas, provide air monitoring by an independent, licensed asbestos assessor:

- on each day during asbestos removal, immediately before asbestos removal work starts; and
- on completion of each area where removal has been undertaken.

### **Clearance Certificate**

Submit to the Principal a clearance certificate from an independent licensed asbestos assessor at the completion of the asbestos removal work.

## 5.8 Signboard

No sign board is required. The contractor is to provide site signage detailing 24hr contact name and phone number.

# 6 Environmental protection

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## 6.1 Environmental management

### Environmental Management Plan

Develop and implement an Environmental Management Plan that complies with the intent of the contract.

The Environmental Management Plan must address the following risks:

- Excavation near trees
- Noise
- Air Quality
- Erosion and sediment control
- Noxious Weeds
- Indigenous Heritage
- Waste management
- Traffic Controls
- Plant and Equipment (Operation and Maintenance)
- Fire Management
- Complaints Handling and
- Incident Reporting

This list of risks is not exhaustive and must not be relied upon by the Contractor. Undertake a detailed analysis of all environmental risks under the Contract.

Submit the Environmental Management Plan to the Principal within the time stated in Contract Information item 15D.

### Environmental Management Monthly Report

Submit when Requested

No later than the fifth (5<sup>th</sup>) *Business Day* of each month submit an Environmental Management Monthly Report, signed by the Contractor's representative and including the information specified below, as evidence of implementation of the Environmental Management Plan.

### Contract Details:

- Contract name
- Contractor
- Contractor's Representative
- signature and date
- period covered

**Implementation of environmental management - details of:**

- environmental risks and opportunities
- environmental objectives, targets and measures of performance (where practical)
- management actions, including environmental controls, training, inspections and testing
- significant environmental impacts

**Implementation of incident management, including emergency response - details of:**

- environmental incidents or emergencies
- non-compliance with environmental procedures and near misses
- implementation of incident and emergency response management
- implementation of corrective action.

**Implementation of reviews** - details of internal reviews, audits and inspections undertaken to verify that on-Site environmental processes and practices conform with the Environmental Management Plan, including:

- monitoring, measurement, evaluation and review of activities;
- the consequences of non-conformances;
- investigation, analysis, evaluation and follow-up verification; and
- corrective and preventive action taken.

**Incident reports**

Ensure compliance with the notification and other requirements of the *Protection of the Environment Operations Act 1997* (NSW) (POEO Act).

Immediately notify the Principal of any pollution incident that may cause material harm to the environment, providing evidence that notification requirements of the POEO Act have been met, where applicable.

Report immediately the details of any waste removed from the Site and not disposed of at a lawful facility.

When requested, provide an incident investigation report, including identification of the cause of the incident and corrective actions taken, in the form directed.

## 6.2 Waste management

### Requirement

Implement waste minimisation and management measures, including:

- recycling and diverting from landfill surplus soil, rock, and other excavated or demolition materials, wherever practical;
- separately collecting and streaming quantities of waste concrete, bricks, blocks, timber, metals, plasterboard, paper and packaging, glass and plastics, and offering them for recycling where practical.

Ensure that no waste from the Site is conveyed to or deposited at any place that cannot lawfully be used as a waste facility for that waste.

### Monitoring

Monitor and record the volumes of waste and the methods and locations of disposal.

Submit a progress report no later than the fifth (5<sup>th</sup>) *Business Day* of every second month and a summary report before *Completion* of the Works, addressing the checklist factors/questions in tables 1 to 5 in Section 3 *Management of waste on construction and demolition projects* of the EPA 'Construction and demolition waste' toolkit available at:

<https://www.epa.nsw.gov.au/your-environment/waste/industrial-waste/construction-demolition>

Note that the provision of the waste management summary report is a condition of achieving *Completion*.

Submit, with the progress and summary report, the waste disposal certificates and/or company certification confirming appropriate, lawful disposal of waste.

## 6.3 Pest control

Do not use any chemical pesticides or termiticides for new construction work. Use preventive treatment by physical means to minimise the risk of pest infestations.

Chemical treatments may be used in existing buildings only as a last resort for the eradication of pest and termite infestations. Chemical pesticides used for this purpose must be registered by the Australian Pesticides and Veterinary Medicines Authority and applied by a Pest Control Operator licensed by SafeWork NSW or the NSW Environment Protection Authority.

Pest preventive methods must comply with AS 3660.1-2014 *Termite management – New building work* (except for references to chemical soil barriers), as well as supplementary standards for existing buildings.

# 7 Materials and workmanship

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## 7.1 Standards

Where the Contract requires compliance with a standard or code, unless otherwise specified, that standard or code will be the one current at the closing date for tenders, except for the National Construction Code, which will be the one current at *Completion*.

Where the Contract refers to an Australian Standard it does not preclude the adoption of a relevant international standard.

### Compliance with construction standards

Unless otherwise specified, comply with the relevant standards for building products, construction materials and construction or manufacturing processes. This includes, but is not limited to, the standards specified below which apply where the work under the Contract includes the listed material, product or process:

Material, Product or Process	Standard
Cold formed structural steel hollow sections	AS/NZS 1163: 2006
Hot rolled steel flat products	AS/NZS 1594:2002
Structural steel - Hot rolled plates, floor plates and slabs	AS/NZS 3678:
Structural steel – Hot rolled bars and sections	AS/NZS 3679.1:
Structural steel – Welded I sections	AS/NZS 3679.2:
Steel reinforcing materials	AS/NZS 4671:
Steel prestressing materials	AS/NZS 4672:
Structural steelwork - fabrication and erection	AS/NZS 5131

Refer to Preliminaries clause - **Quality management requirements** for requirements to assure compliance.

## 7.2 Cleaning up

Make good the Site and surroundings and ensure:

- all visible external and internal surfaces, including fittings, fixtures and equipment, are free of marks, dirt, dust, vermin;
- unwanted materials, temporary works and debris are removed; and
- unless otherwise agreed, the Contractor's plant, equipment and temporary construction facilities are removed,

prior to Completion.

## 7.3 Testing

### Independent Testing Authority

Ensure that any testing required to be by an independent authority is carried out by an authority registered with the National Association of Testing Authorities Australia (NATA) to perform the specified testing.

**END OF SECTION – PRELIMINARIES**