

TRANSPORT FOR NSW (TfNSW)
QA SPECIFICATION G2-C2
GENERAL REQUIREMENTS (MAJOR CONTRACTS)

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GENERAL REQUIREMENTS (MAJOR CONTRACTS)

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FOREWORD

TfNSW COPYRIGHT AND USE OF THIS DOCUMENT

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When this document forms part of a contract

This document should be read with all the documents forming the Contract.

When this document does not form part of a contract

This copy is not a controlled document. Observe the Notice that appears on the first page of the copy controlled by TfNSW. A full copy of the latest version of the document is available on the TfNSW Internet website: <http://www.rms.nsw.gov.au/business-industry/partners-suppliers/specifications/index.html>

REVISIONS TO PREVIOUS VERSION

This document has been revised from Specification TfNSW G2-C2 Edition 5 Revision 23.

All revisions to the previous version (other than minor editorial and project specific changes) are indicated by a vertical line in the margin as shown here, except when it is a new edition and the text has been extensively rewritten.

PROJECT SPECIFIC CHANGES

Any project specific changes are indicated in the following manner:

- (a) Text which is additional to the base document and which is included in the Specification is shown in bold italics e.g. ***Additional Text***.
- (b) Text which has been deleted from the base document and which is not included in the Specification is shown struck out e.g. ~~Deleted Text~~.

TfNSW QA SPECIFICATION G2-C2

GENERAL REQUIREMENTS (MAJOR CONTRACTS)

1 GENERAL

1.1 STRUCTURE OF THE SPECIFICATION

This Specification includes a series of annexures that detail additional requirements and information.

1.1.1 Project Requirements

Project specific details of work are shown in Annexure G2-C2/A.

1.1.2 Measurement and Payment

Measurement and payment must be in accordance with Annexure G2-C2/B.

1.1.3 Schedules of HOLD POINTS and Identified Records

The schedules in Annexure G2-C2/C list the **HOLD POINTS** that must be observed. Refer to Clause 1.2.8 or Specification TfNSW Q for the definition of **HOLD POINTS**.

The records listed in Annexure G2-C2/C are **Identified Records** for the purposes of TfNSW Q.

1.1.4 Referenced Documents

Unless specified otherwise or expressly supplied by the Principal, the applicable issue of a referenced document must be the issue current at the date one week before the closing date for tenders, or where no issue is current at that date, the most recent issue.

Standards, specifications and test methods are referred to in abbreviated form (e.g. AS 2350). For convenience, the full titles are given in Annexure G2-C2/M.

1.2 INTERPRETATION OF CONTRACT DOCUMENTS

The following interpretations apply to the Contract Documents unless the context requires otherwise.

1.2.1 Exercise of the Principal's Authorised Person's Powers by the Principal

The powers given to the Principal's Authorised Person in the Specifications may be exercised, after the issue of the Final Payment Schedule, by the Principal or by a person authorised by the Principal to exercise those powers.

1.2.2 Duties of the Contractor

All actions, work, supply of Materials and responsibilities described in the Contract Documents must be carried out by you, unless specifically stated otherwise.

Where a requirement of the specifications identifies a particular item as something to be included, the requirement is not limited or qualified by doing this.

1.2.3 Definition of Parties in the Documents

The terms “TfNSW”, “Transport for NSW” and “Authority” mean, unless specifically defined otherwise, “Principal”.

The term “Superintendent” means, unless specifically defined otherwise, “Principal’s Authorised Person”

The terms “you” and “your” mean “the Contractor” and “the Contractor’s”, respectively.

1.2.4 Communications

All communications between the Principal, you and your representatives must be in the English language.

1.2.5 Legal Units of Measurement

All measurement of physical quantities must be in Commonwealth legal units within the meaning of the *National Measurement Act 1960 (Cwth)*.

1.2.6 Payment in Australian Currency

All payments to be made under the Contract must be in Australian currency.

1.2.7 (Not Used)

1.2.8 Definitions

“**TfNSW G2-C2**” appearing in the Contract Documents means this Specification.

“**Construction plant**” means all plant, motor vehicles, appliances and things (including scaffolding, formwork and the like) of whatsoever nature used or in use in or about the execution of the Work under the Contract but does not include materials, plant, equipment or other things intended to form or forming part of the Works.

“**Drawings**” means the drawings/designs as may be supplied to you at any time by the Principal, or the use of which has been permitted by the Principal, for the purposes of the Contract.

“**Environment**” means the natural and the built environment and all aspects of the surroundings of human beings (including physical, biological and aesthetic aspects).

“**Hold Point**” means a point beyond which a work process must not proceed without the Principal’s express written authorisation.

“**Specification**” means the Specification for work to be carried out as existing at the date of acceptance of tender or otherwise forming part of the Contract Documents and any modification of such Specification thereafter directed or the use of which has been permitted by the Principal.

“**Witness Point**” means a point in a work process where you must give prior notice to the Principal and the option of attendance may be exercised by the Principal.

“**Work Under the Contract**” means the work which you are or may be required to execute under the Contract and includes the Works, all variations, remedial work, construction plant and Temporary Work, design and design documentation.

2 NOT USED

Not used

3 NO APPROVAL OF DOCUMENTATION

Management system and management plan documentation and any other documents submitted by you before the Date of Contract are not to be deemed as accepted or approved because of:

- (a) the Principal's acceptance of your tender or other offer;
- (b) the entering into of the Contract by the Principal;
- (c) a reference to any such documentation in the Contract; or
- (d) any conduct by or on behalf of the Principal.

Management system and management plan documentation and any other documents submitted by you after the Date of Contract are not deemed as accepted or approved unless acceptance or approval is an express requirement of the Contract and the Principal has notified you in writing of its acceptance or approval.

4 CONTRACTOR AS TRUSTEE

4.1 APPLICATION

If you enter into the Contract as a trustee, this clause will apply.

4.2 REPRESENTATIONS AND WARRANTIES

You are deemed to have made the following representations and warranties:

- (a) entered into the Contract as trustee using its powers under the relevant trust deed and other enabling documents and has power to enter into and perform its obligations under the Contract and to carry on the transactions contemplated by those documents ('trust documents');
- (b) hold the trust property on trust under the trust documents;
- (c) the trust documents given to the Principal are up to date and constitute all of the documents in relation to the trust and all the terms of the trust;
- (d) all consents and authorisations required for the execution, delivery and performance of the Contract have been obtained and are effective and current;
- (e) the Contract is entered into as part of the due and proper administration of the trust and is for the benefit of the beneficiaries;
- (f) no conflict of interest or breach of trust occurs as a result of you entering the Contract;
- (g) no beneficiary is presently entitled;
- (h) any of your existing or future rights of indemnity as trustee or lien securing that right have not been excluded, limited or otherwise diminished;
- (i) as trustee you are not required to follow the instructions of any person;
- (j) there has been no resolution or direction to terminate the trust;

- (k) there has been no resolution or direction to remove you as trustee;
- (l) you are the sole trustee of the trust; and
- (m) you are not entering into the Contract in a capacity as responsible entity of a registered scheme (as those terms are defined in the *Corporations Act 2001(Cwth)*).

4.3 UNDERTAKINGS OF THE CONTRACTOR AS TRUSTEE

You must not, without the prior written approval of the Principal:

- (a) amend the trust documents;
- (b) dispose of trust property;
- (c) grant any security in relation to the trust property;
- (d) make any capital distribution in cash or in the form of trust assets;
- (e) resign or appoint any new or additional trustees;
- (f) appoint any new beneficiaries to the class of beneficiaries or exercise any power resulting in a change to the vesting day;
- (g) permit the beneficiaries to use the trust property;
- (h) incur any debt other than in the ordinary course of business of the trust;
- (i) lend money which forms part of the trust property;
- (j) give a guarantee as trustee; or
- (k) blend or mix trust property with any other property.

You must not do anything (or omit to do anything) which may:

- (i) constitute a breach of trust; or
- (ii) diminish, limit or exclude the trustee's right of indemnity or any lien in respect of that indemnity.

You must:

- (a) ensure that the indemnity and lien will not be diminished, limited or excluded; and
- (b) obtain the above obligations in the same terms from any future trustee.

Immediately notify the Principal if any of the prohibitions are or may be breached.

4.4 EVENTS OF DEFAULT

Refer to the definition of "Contractor's Default" in the General Conditions of Contract.

5 NO PROPORTIONATE LIABILITY IN SUBCONTRACTS

Include in each Subcontract and Contract with a Supplier or a Consultant, a provision which excludes, to the extent permitted by law, the operation of Part 4 of the *Civil Liability Act 2002 NSW* and any equivalent statutory provision, in relation to all rights, obligations and liabilities in connection with that Subcontract or Contract whether such rights, obligations or liabilities are sought to be enforced as a breach of Contract or a claim in tort or otherwise.

6 CUSTOMS DUTY

If the Contract Price includes an amount for customs duty on materials which will be consumed for or will form part of the Works, promptly make all necessary applications to the relevant authorities for customs duty concessions which may be granted on the materials.

The Contract Price will be reduced by the amount of customs duty concession obtained or which should have been obtained, less the reasonable expenses incurred by you in obtaining the concession.

7 ROYALTIES AND FEES

Unless otherwise provided in the Contract, pay all royalties, fees and other payments payable for or in connection with any land, matter or thing used or to be used or supplied in performance of the Contract.

If directed by the Principal, before the issue of the Final Payment Schedule under Clause 61 of the General Conditions of Contract, give to the Principal a signed statement or statutory declaration that all such royalties, fees and other payments and royalties and fees payable under Clause 23.6 of the General Conditions of Contract have been paid or satisfied.

8 MORAL RIGHTS

Obtain in writing from your employees, Subcontractors, Suppliers, Consultants and licensees all necessary, unconditional and irrevocable:

- (a) consents permitted by applicable law, to any alterations to, or use of the existing intellectual property or intellectual property for the purpose of the Works that would otherwise infringe their respective moral rights, defined below, in such intellectual property, whether occurring before or after the consent is given; and
- (b) waivers permitted by applicable law of their respective moral rights outside Australia, for the benefit of the Principal.

Provide the Principal with copies of each written consent and waiver obtained under this clause, at the Principal's request, or within 14 days of the date of this Contract, whichever occurs first.

Use your best endeavours to ensure that none of your employees, Subcontractors, Suppliers, Consultants or licensee institutes, maintain or support any claim or proceeding for infringement of their moral rights by the Principal.

For the purposes of this clause, "moral rights" means any of the rights described in Article 6b of the *Berne Convention for the Protection of Literary and Artistic Work 1886*, being "*droit moral*" or other analogous rights arising under any applicable statute (including the *Copyright Act 1968 (Cwth)*, its amendments or any other law of the Commonwealth).

9 WARRANTIES GENERALLY

Obtain the warranties, guarantees and defects liability rights ("Rights") in respect of Materials:

- (a) as specified in the Contract; and

(b) as offered by Suppliers, Subcontractors and Consultants.

Use your best endeavours to ensure either that the Rights are created in favour of the Principal or that the benefit of the Rights is assigned to the Principal on request.

Hold the benefit of all Rights obtained or available to you also for the benefit of the Principal and enforce any of the Rights at the request of and for the benefit of the Principal.

10 MINERALS AND FOSSILS

The Principal is deemed to be the owner of all valuable minerals, fossils, articles or objects of antiquity or anthropological or archaeological interest, treasure trove, coins or other items of value found on the Site (“valuable items”).

Immediately on discovery of a valuable item, take precautions to prevent loss or removal of or damage to the valuable item and notify the Principal of its discovery.

Your reasonable extra costs, if any, as determined by the Principal of taking such precautions will be reimbursed by the Principal.

11 INFORMATION DISCLOSURE

11.1 RELATED BODY CORPORATE PARTICULARS

The Principal is required to disclose information about the contract pursuant to the *Government Information (Public Access) Act 2009 (NSW)* (GIPA).

So that the Principal can comply with section 29(b) of the GIPA, you must promptly advise the Principal of particulars of any related body corporate (within the meaning of the *Corporations Act 2001 (Cwth)*) in respect of you, or any other private sector entity in which you have an interest, that will be involved in carrying out any of your obligations under the Contract or will receive a benefit under the Contract.

11.2 DISCLOSURE TO OTHER AUTHORITIES

In addition to the entities listed in Clause 19 of the General Conditions of Contract, the Principal may make information concerning you available to authorities or agencies who are members of Austroads Ltd.

11.3 PRIVACY REQUIREMENTS

If, under the Contract, you are required to disclose personal information as defined under either of the *Privacy and Personal Information Protection Act 1998 (NSW)* or the *Health Records and Information Privacy Act 2002 (NSW)* (“the Acts”), you must:

- (a) if the disclosure is not authorised under the provisions of either of the Acts, obtain the consent of the natural person to whom that personal information relates in relation to the Principal’s collection and use of that personal information for the purposes of the Contract or the purposes authorised by the Contract;

- (b) ensure that the personal information disclosed is accurate; and
- (c) inform that natural person:
 - (i) that the personal information has been collected by the Principal; and
 - (ii) of any other matters that either of the Acts requires.

12 DATE COMPLIANT

Ensure that management systems correctly process dates/times and do not produce ambiguous dates/times in documents and records.

13 PRINCIPAL'S AUTHORISED PERSON

13.1 LIMITATIONS

Notwithstanding Clause 2.2 of the General Conditions of Contract, the powers and functions of the Principal's Authorised Person do not extend to the following in the General Conditions of Contract (clause references quoted below are those in the General Conditions of Contract):

- (a) Assignment (Clause 9);
- (b) Changes to Statutory Requirements (Clause 49);
- (c) Liquidated damages only (Clause 51);
- (d) Acceleration (Clause 52);
- (e) Principal's suspension (Clause 53);
- (f) Early use (Clause 64);
- (g) Termination for Contractor's Default or Insolvency (Clause 73); and
- (h) Termination for Principal's convenience (Clause 74).

13.2 AUTHORISED DELEGATES

The Principal's Authorised Person:

- (a) may from time to time appoint named persons ("Authorised Delegates") to exercise any or all of the powers and functions of the Principal's Authorised Person; and
- (b) must notify you in writing of any such appointment and of the powers and functions delegated.

Any delegation under this Clause will not prevent the Principal's Authorised Person from exercising a delegated power or function.

The Principal's Authorised Person must not appoint more than one person to exercise a particular power or function in respect of the same subject matter. Without limitation, the Principal's Authorised Person may appoint a person to exercise a particular power or function in respect of part of the Site or in respect of a particular activity under the Contract, and another person to exercise the same power or function in relation to a different part of the Site or a different activity.

An appointment may be revoked at any time by notice to you.

An Authorised Delegate may on the same terms delegate the exercise of all or any of the powers and functions delegated to it (or revoke the delegation) but the Authorised Delegate must not appoint more than one person to exercise a particular power or function.

14 COMMENCEMENT OF SITE WORK

14.1 NOTIFICATION TO PRINCIPAL

Before commencing any work on the Site (including work on establishing your site facilities), give the Principal at least 14 days written notice of the proposed commencement or such shorter period agreed to by the Principal.

14.2 TRANSFER OF ENVIRONMENT PROTECTION LICENCE

If you are required to hold an environment protection licence (EPL) for the Works and the Principal has been issued with an EPL prior to award of the Contract, you must not commence work on site until the Environmental Protection Authority (EPA) has transferred the EPL into your name.

HOLD POINT

Process Held:	Commencement of work on site.
Submission Details:	At least seven (7) days prior to the proposed commencement of work, provide a copy of the transferred environment protection licence to the Principal.
Release of Hold Point:	The Principal will consider the documents prior to authorising the release of the Hold Point.

15 EXISTING UTILITIES - GENERAL

The information available on the locations of existing utilities is approximate only and in some cases may be inaccurate or incomplete. The Principal accepts no responsibility for and does not guarantee or make any representation as to the accuracy of the information. Make further enquiries and carry out investigations as may be necessary to locate any such utilities.

There may exist underground utilities which are not shown on the Drawings, or at locations or elevations different from those shown on the Drawings. Ascertain the exact location and elevation of each underground utility prior to doing any work that may damage such utility.

If any existing or proposed utility conflicts with the location or elevation of any item of construction shown on the Drawings, notify the Principal of such conflict. A conflict is not considered to exist unless an existing utility service occupies the same space as that intended for the item to be constructed or minimum clearances will be infringed. Any variation to the work required will be determined in accordance with Clause 48 of the General Conditions of Contract.

Where your method of working results in additional adjustments being deemed necessary by any utility owner, arrange for and bear all costs in relation to those additional adjustments, notwithstanding that the Principal may have approved the method of working.

You will not be responsible for the routine maintenance of any utility installed or constructed by the various utility owners, but will be responsible for the protection of such utility during the currency of the Contract.

In certain instances, you may be required to provide the various utility owners with the opportunity to remove, relocate, or work on their utilities before you proceed with succeeding construction operations. Should you suffer any delay due to the moving of any such utilities, or the operations of any utility owners, except where the delay is due to work chargeable to you or to your omission or negligent act, you may apply to the Principal for an extension of time in accordance with Clause 50 of the General Conditions of Contract.

Do not stop the Works because of any operation by utility owners without the written agreement of the Principal.

Conduct your operations so as to interfere as little as possible with the operations of utility owners or their contractors on or near the Site. The Principal reserves the right to permit utility owners and others to work on or near the Site.

16 CONTRACTOR'S FACILITIES

Comply with the requirements of the "Code of Practice - Managing the Work Environment and Facilities", issued by Safe Work Australia.

Carry out the pre and post-construction land condition assessments in accordance with Specification TfNSW G36 for the Principal's land used by you for locating your site facilities.

Supply, equip, service and neatly maintain all necessary buildings, workshops and storage areas for the satisfactory completion of the Works. Provide properly constructed toilets and washing facilities for the use of all personnel.

Whether established on the road reserve or elsewhere, implement erosion and sedimentation control measures.

Provide adequate rubbish receptacles. Service these receptacles regularly and to the satisfaction of the Principal to ensure that the construction area remains tidy.

Provide security for your buildings, materials, construction plant and machinery. Take all necessary precautions to make the area safe to the public.

Do not drive or park any plant and vehicles, including employees' motor vehicles, on unpaved areas outside the Site without the approval of the Principal.

Protect, reinstate and revegetate all areas used by you within the nominated area. Reinstatement will include ripping, topsoiling and grass seeding or alternatively, turfing so as to reinstate the land to a condition at least similar to the condition before disturbance.

17 EXTRA LAND REQUIRED BY CONTRACTOR

Procure for yourself and at your own cost the occupation or use of or relevant rights over any land or space in addition to the Site which you may deem necessary for the execution of the Works or for the purposes of the Contract; and as a condition precedent to any obligation to return the Post-Completion Undertaking, if so required by the Principal's Authorised Person, provide a properly executed release

from all claims or demands (whether for damages or otherwise howsoever) from the owner or occupier of and from other persons having an interest in such land.

18 KEEPING SITE CLEAN

Keep the Work Under the Contract clean and tidy as it proceeds and regularly remove from the Site rubbish and surplus material, from the start of Work Under the Contract including during the period for rectifying any Defects and during any period of maintenance by you.

The Principal may remedy any breach of this clause by you and the costs of remedy are a debt due by you to the Principal.

19 INFORMATION SIGNBOARDS

Erect two (2) information signboards at prominent locations within the Site which are approved by the Principal.

Where so stated in Annexure G2-C2/A1, the Principal will supply the sign panels and associated mounting posts, attachment brackets and other accessories. Where the signboards are not supplied by the Principal, arrange for their manufacture and delivery to site. In such cases, the Principal will provide you with details of the sign face layout.

Do not erect on the Site any other form of sign bearing your name.

Remove the information signboards and dispose of them off site at the times stated in Annexure G2-C2/A1. Make good any disturbed ground caused by the removal of the signboards.

Payment for the supply (where required), erection, removal and disposal of the information boards is deemed to be included in the rates and prices generally.

20 NO ADVERTISING

Do not exhibit, or permit to be exhibited on the Site or on any land to which you have access under the Contract any advertisements, unless the written permission of the Principal has been obtained.

21 INSPECTION BY VISITORS

Refer all applications for Site inspections to the Principal. Do not arrange inspections by visitors without the Principal's prior approval. The Principal has the right to conduct inspections of the Works with visiting parties.

22 USE OF PUBLIC ROADS AND CARE OF TRAFFIC ASSETS

22.1 USE OF PUBLIC ROADS

Vehicles or equipment hauling material over public roads must be fitted with tight tailgates and have a freeboard of not less than 75 mm without cones or piles of material which may spill on to the roadway. Vehicles when loaded must comply with the requirements of the *Road Transport (Mass, Loading & Access) Regulation 2005 (NSW)* or such lower load limits as may have been set by the relevant authority, and provide evidence to this effect to the Principal.

Promptly remove from existing roadways all dirt and other materials that have been deposited by your hauling and other operations.

Take suitable precautions to ensure that under no circumstance could any rock be dislodged onto any adjacent roadway, track or railway track in use. Where the Principal considers that the precautions taken are not satisfactory, cease the work immediately until the necessary precautions have been taken.

Construction plant or equipment must not be allowed to park on or within the pavement or shoulders of any existing trafficked roadway.

If you wish to use public roads surrounding the Site for the purpose of undertaking Work Under the Contract, obtain approval from the relevant authority for the use of these public roads. Any conditions for such use are a matter between you and the relevant authority.

22.2 CARE OF TRAFFIC ASSETS

Notify the Principal prior to the commencement of work near traffic signals and other traffic facilities. The Principal will advise you if you also need to notify the Transport Management Centre (TMC) and TfNSW Road Network Operations Branch (telephone: (02) 8396 1697).

Where traffic signal detector loops or other traffic facilities loops are damaged or made inoperable during the course of work, notify the TMC and the Principal immediately.

Engage a Traffic Signal Contractor prequalified by the TfNSW to reinstate the loops.

Use prefabricated loops and reinstate the loops within 24 hours of their becoming inoperable and have them connected and operating within a further 24 hours, unless a concession is granted by the Principal. All applications for a concession must be supported by documentation stating the reason for the application and the scheduled completion date.

Where detector loops and other traffic facilities loops need to be removed or made inoperable in order to complete Work Under the Contract, the costs of reinstatement will be borne by the Principal. Where the detector loops and other traffic facilities loops are damaged due to your act or omission, the costs of reinstatement will be borne by you.

23 USE OF STRUCTURES BY CONSTRUCTION PLANT

Unless specified elsewhere, structures, including bridges and culverts, have not been designed for use by heavy construction plant. Such plant must not travel on the structures without the prior approval of the Principal.

If you intend to use any heavy plant on any structure, submit calculations, prepared and certified by a Chartered Professional Engineer with Membership of Engineers Australia (or equivalent) and practising in the field of structural engineering or equivalent, to verify the structural adequacy of the structure to the Principal for approval at least two weeks prior to the proposed use of the structure by the plant. An equivalent would be an Engineer registered on the National Professional Engineers Register (NPER) in the general area of practice of Structural Engineering.

These calculations must be accompanied by details of contact locations, areas and weights, path of vehicle, speed and frequency of use. These calculations must conform to the design management procedure required in TfNSW Q Clause 7.3.

24 SITE MEETINGS

At intervals of one month, unless otherwise mutually agreed between you and the Principal, arrange a duly authorised representative to attend the Site Meeting. Subcontractors and Consultants must also attend the Site Meeting if required by the Principal.

Unless otherwise agreed, the Principal's Authorised Person will chair the meeting and will arrange for the recording of minutes. Within one week of the meeting, the Principal must issue to you a copy of the minutes. Within three days of issue of the copy of the minutes, notify the Principal of any item from the meeting which in your opinion has not been correctly recorded. The agreed minutes must be confirmed at the next Site Meeting held.

25 EMERGENCY CALLOUT AVAILABILITY

Within fourteen days of the date of execution of the Contract, submit to the Principal information, to the satisfaction of the Principal, regarding the capability to answer requests for emergency action at any time, in relation to the Works and in relation to your responsibilities under the Contract regarding adjacent landowners, the general public and utility owners.

The cost of providing this capability and the cost of any actions necessary as a result of this capability is deemed to be your responsibility in accordance with Clause 26 of the General Conditions of Contract.

26 COMMUNITY RELATIONS

Notify the Principal of any complaints received from members of the community concerning the Work Under the Contract. Deal with all such complaints promptly and provide written evidence to the Principal of actions proposed to deal with the complaints.

27 PRINCIPAL AND PRINCIPAL'S AUTHORISED PERSON MAY MAKE RECORDS

The Principal and the Principal's Authorised Person may record the progress and performance of the Works. Without limitation, records may be made:

- (a) in any medium;

- (b) at any place where work (including Testing) is being carried out or materials being prepared;
- (c) as part of an audit or surveillance or for any other reason.

The Principal and the Principal's Authorised Person may use the records made for any purpose.

28 NOT USED

29 SCHEDULE OF PRICES

29.1 APPLICATION

This clause applies if a Schedule of Prices forms part of the Contract Documents. This clause does not apply to any work which is covered by a Schedule of Rates.

29.2 RATES AND PRICES

The lump sum accepted by the Principal covers everything associated with or necessary for your performance of the Contract.

You are deemed to have agreed that:

- (a) the cost of a work or service which is expressly covered by an item listed in the Schedule of Prices is included in the rate and price for the item, and
- (b) the cost of a work or service which is not expressly covered by an item listed in the Schedule of Prices is included in other rates and prices of the Schedule of Prices.

Errors in the Schedule of Prices must be corrected to ensure that the total of the rates and prices as extended for all items in the Schedule of Prices always equals the lump sum accepted by the Principal.

Correct the errors as agreed between you and the Principal or, if no agreement is reached, as determined by the Principal.

The rates and prices in the Schedule of Prices:

- (i) may be used to value variations, and
- (ii) must be used to assess the value of unincorporated Materials and the Value Completed properly included in a Payment Claim under Clause 58 of the General Conditions of Contract.

30 PROVISIONAL QUANTITIES AND PROVISIONAL SUMS

30.1 PROVISIONAL QUANTITIES

For items of work which are subject to a Provisional Quantity, you are not entitled to payment additional to that provided under Clause 55.5 of the General Conditions of Contract or an extension of time for Completion if the Principal instructs you to carry out a greater quantity (within a reasonable

range of variability for the type of work in question) or a lesser quantity of work than the Provisional Quantity, or instructs that no work for that item will be carried out.

30.2 PROVISIONAL SUMS AND NC PROVISIONAL AMOUNTS

For items of work which are subject to a Provisional Sum or an NC Provisional Amount, you are not entitled to payment additional to that provided under Clause 55.4 and Clause 55.6 of the General Conditions of Contract or an extension of time for Completion if the Principal instructs you to carry out work having a cost greater or less than the Provisional Sum or the NC Provisional Amount (as applicable), or does not instruct that work which is the subject of a Provisional Sum or an NC Provisional Amount (as applicable) will be carried out.

31 DAYWORK

Where the Progress Claim to be submitted by you under Clause 58 of the General Conditions of Contract includes a claim for payment for Daywork in accordance with Clause 47.4 of the General Conditions of Contract, the form of statement in relation to Daywork must be as follows:

- (a) Particulars to be recorded each day
 - (i) Labour
 - Name and classification of each employee
 - Number of hours, rate and (extended) cost of work during ordinary hours
 - Number of hours, rate and (extended) cost of work during overtime hours
 - (ii) Plant and Equipment
 - Description, number of hours, rate and (extended) cost of usage
 - (iii) Materials
 - Description, quantity, unit, rate and (extended) cost
 - (iv) Subcontractors, Suppliers and Consultants
 - Description, units, hours, rates and (extended) costs
- (b) The rates for labour and plant used for the valuation of Daywork must be those listed in Annexure G2-C2/E.

Should the appropriate plant item not be listed in Annexure G2-C2/E, or where the Daywork is performed by a supplier, subcontractor or consultant, copies of actual invoices, receipts, orders, subcontracts, professional fees, hire rates, establishment charges etc. for all plant, equipment, services and materials must be submitted in support of each claim for Daywork.

32 RESPONSIBILITY FOR AND NOTICE OF MEASUREMENT

The measurement of work as required for the purposes of the Contract is the responsibility of the Principal. The Principal will give reasonable notice to you of the intention to measure work and you must, if so directed by the Principal, be represented at and assist in the taking of measurements. If you are not represented at the time appointed by such notice for the taking of measurements, the Principal may proceed in your absence and the measurements taken by the Principal will be binding on you.

A record of the measurements will be kept by the Principal and will, on request by you, be made available to you.

33 USE OF CITIZEN BAND RADIO CHANNELS

Comply with the *Radiocommunications Act 2002 (Cwth)* and Radiocommunications (Citizen Band Radio Station) Class Licence in your operation of citizen band (CB) radio on site.

Do not use channels (radio frequencies) that are not allocated for general use, or channels that have generally accepted use by certain groups (e.g. channels 10, 18, 29 and 40)

A list of the UHF CB radio service channel allocations can be obtained from:

<http://www.acrem.org.au/Contents.php?ID=24>

then selecting “UHF Channels”.

You are responsible for any fines or other penalties that may be imposed for the deliberate misuse of legally allocated channels.

34 SPECIFICATIONS AND TEST METHODS

The TfNSW Specifications and Test Methods stated in the Contract Documents, including any project specific amendments, apply to the Contract.

Except for copies of any special test methods supplied under Clause 7.4 of the General Conditions of Contract, copies of TfNSW Test Methods will not be provided.

Copies of TfNSW Test Methods and model specifications may be downloaded from the TfNSW website: <https://roads-waterways.transport.nsw.gov.au/business-industry/partners-suppliers/document-types/index.html>

35 MANAGEMENT SYSTEMS AND PLANS

35.1 GENERAL

Plan, establish, implement and maintain the specified Management Systems and Plans required by the Specifications and demonstrate compliance in accordance with the Contract. Failure to do so is deemed to be a Contractor’s Default for the purposes of Clause 73 of the General Conditions of Contract.

35.2 RECORD KEEPING

Record keeping of the specified Management Systems and Plans must comply with Clauses 1.2.5 and 4.2.4 and Annexure Q/E of TfNSW Q.

36 QUALITY ASSURANCE

36.1 DEFINITIONS USED IN QUALITY ASSURANCE PROVISIONS

The definitions in TfNSW Q must be used in the interpretation of the words and expressions used in the quality assurance provisions of the Contract (unless the context otherwise requires). The quality assurance provisions on the Contract include Clauses 35, 36 and 37 of this Specification and TfNSW Q.

36.2 MONTHLY PRODUCT QUALITY SUMMARY

The Conformance Records to be submitted under Clause 58.6.3 of the General Conditions of Contract must include a summary of product quality records which demonstrates conformity of the Works with Contract requirements.

The summary must indicate the Lots or components, or both, of the Works which have achieved full conformity with Contract requirements.

36.3 AUDIT AND SURVEILLANCE

The Principal may take samples of materials or work and/or direct you to open up or pull down completed work and to reinstate it later, and for that purpose may require access to the Site pursuant to Clause 34.3 of the General Conditions of Contract.

36.4 COVERING UP OF WORK AND NOMINATION OF HOLD AND WITNESS POINTS

The Principal may:

- (a) direct that any part of Work Under the Contract must not be covered up or made inaccessible without the Principal's prior approval;
- (b) nominate any point in a work process as a Hold Point or Witness Point.

37 TESTING

37.1 GENERAL

Carry out sampling and testing and provide the results to the Principal for verification of performance within the time required by the Contract. If no specific time limit applies, provide the results upon completion of the testing.

Additional or special tests may be conducted by the Principal or a person (which may include you) nominated by the Principal.

37.2 COSTS OF TESTS

Include in the rates and prices generally the costs associated with all testing required under the Contract (refer Annexure G2-C2/B), except for any tests paid by the Principal as Primary Testing (refer Clause 37.3).

Any testing directed by the Principal that is additional to both your testing obligations under the Contract and the Primary Testing dealt with under Clause 37.3, will be instructed and valued as a *Variation* under the General Conditions of Contract.

The valuation of any Variation will exclude the costs of testing:

- (a) in respect of Work Under the Contract, that is covered up or made inaccessible without the Principal's prior approval where such was required; or
- (b) that is consequent upon a failure of you to comply with a requirement of the Contract.

37.3 NOT USED

37.3.2 Subcontract Documents

The procedure for managing subcontract work required by TfNSW Q Clause 7.4 must specifically address the inviting and accepting of tenders and management of the Primary Testing subcontract and must be consistent with the "NSW Government Code of Practice for Procurement".

Submit to the Principal proposed subcontract documents including the proposed invitation to tender, proposed subcontract schedule of rates and a list of specifications and drawings. The proposed subcontract schedule of rates must include each test type for all Primary Testing listed as individual tests with estimated quantities shown. The rates must include the costs of establishing, equipping, accrediting, operating and decommissioning the laboratory, selecting test locations, sampling, testing, transporting samples and reporting. The estimated quantities must not be less than those needed to conform to the specified minimum frequency of testing applied to the expected number of Lots.

Any testing that you are required to undertake or procure under the Contract which is not Primary Testing must not be included in the subcontract documents for Primary Testing.

Liquidated damages payable by the subcontractor to you must not exceed the rates agreed by the Principal.

Show in the proposed invitation to tender the place and time nominated by the Principal for submitting the tenders.

37.3.3 Inviting and Accepting Tenders

Invite tenders using the proposed subcontract documents and the list of tenderers submitted to the Principal.

The tender process must be agreed between you and the Principal. The Principal and you will open the tenders together.

Examine and analyse the tenders in accordance with the submitted procedure for the management of subcontract work. Do not communicate with the tenderers prior to the award of a subcontract unless with the prior approval and in the presence of the Principal. Analyse the tenders and submit your recommendation to the Principal. If there are tenders priced lower than the recommended tender, provide in the assessment the reason for not recommending these lower priced tenders.

Any proposed changes to the subcontract must only be accepted with the prior agreement of the Principal.

38 NOT USED

39 PROGRAMS

39.1 CONTRACT PROGRAM

Submit to the Principal a Contract Program complying with Clause 22.2 of the General Conditions of Contract.

In addition, the Contract Program (including any updated Contract Program) must:

- (a) identify any activities required to be performed outside of the working hours or working days as allowed under Clause 18 of the General Conditions of Contract;
- (b) allow for work being the subject of Provisional Quantity or Provisional Sum Pay Items and NC Provisional Amounts included in the Schedule of Rates and Schedule of Prices;
- (c) show all activities required to achieve Completion which are carried out away from the Site, both in and outside Australia. These activities include but are not limited to concrete precasting, steelwork fabrication and manufacture of equipment to be installed as part of the Works; and
- (d) include a schedule showing the estimated (forecast) Claimed Amount (the total sum of the estimated value of work carried out each month plus any amount attributed to the value of unincorporated Materials to be included in the Payment Claim) for each of the remaining months of the Contract until Completion.

39.2 UPDATED CONTRACT PROGRAM

When submitting the monthly updated Contract Program in accordance with Clause 22.3 of the General Conditions of Contract, include:

- (a) reasons for any divergence in activity logic in the Contract Program; and
- (b) reasons for any shortfall in Scheduled Progress from that shown in the previous monthly (updated) program, and any proposed steps to make good any shortfall in Scheduled Progress.

39.3 SOFTWARE

Submit all Contract Programs as both paper and electronic documents.

For Contract Programs submitted as an electronic document, the software used must be either Primavera P6 or MS Project 2010.

39.4 FINAL “AS-BUILT” CONTRACT PROGRAM

By the Actual Completion Date for the Works, unless already provided by you, submit to the Principal a detailed “as-built” Contract Program for the Works.

40 CHRISTMAS CLOSEDOWN PERIOD

If the Principal extends the time for Completion of the Works or of a Milestone such that the adjusted Contractual Completion Date falls on or after the start of a Christmas Closedown Period, then unless

agreed otherwise with the Principal, the days that are deemed to comprise the Christmas Closedown Period and which are not considered to be working days are set out in the table below:

Day of Week on which Christmas Day falls:	Start of Closedown Period will be:	End of Closedown Period will be:
Sunday	Saturday 24 December	Sunday 8 January

41 WORK-AS-EXECUTED DRAWINGS

Maintain and progressively update throughout the duration of the Contract drawings showing the work-as-executed (WAE) details for the Works.

If so specified in Annexure G2-C2/A4, provide also an electronic copy of the WAE drawings in the manner specified in Annexure G2-C2/F.

Further requirements for the preparation of WAE drawings are stated in Annexure G2-C2/F.

Examples of amended details include (but are not necessarily limited to) the following where they have been amended from those shown in the design drawings:

- (a) Batter slopes.
- (b) Road geometry, such as alignment, levels or cross-falls.
- (c) Pavement cross-section details, particularly those adjoining an existing pavement.
- (d) Subsoil drainage, such as levels and alignment and types.
- (e) Stormwater drainage system, such as alignment, levels, pit types and locations, and pipe sizes.
- (f) Kerbs such as kerb types and locations.
- (g) Safety barriers, such as barrier types and locations.
- (h) Pavement markings.
- (i) Concrete structures, such as shape, levels and reinforcing details.
- (j) Steel structures (including those supporting major signs), such as shapes, levels and welding and bolting details.
- (k) Piles, such as toe levels, position deviation (but only those exceeding tolerance), and any additional piles driven within the pile group.
- (l) Bridge bearings, expansion joints and other proprietary products installed.
- (m) Noise Walls.
- (n) Reinforced Soil Walls.
- (o) Street or tunnel lighting.
- (p) Intelligent transport system (ITS) cables.

42 CARE, PROTECTION AND PRESERVATION OF SURVEY CONTROL AND CADASTRAL MARKS

No survey control or cadastral marks including permanent survey marks, boundary marks, reference marks and bench marks as defined by the Surveying and Spatial Information Act 2002 (NSW) and Surveying and Spatial Information Regulation 2012 (NSW) are to be damaged, disturbed or destroyed without prior authorisation from the NSW Surveyor General.

Comply with Specification TfNSW G71 for care, protection and preservation of survey control and cadastral marks.

Comply also with TfNSW G71 for submission of the PROJECT QUALITY PLAN for construction surveys.

Maintain an up-to-date Survey Control and Cadastral Marks Register of all survey control marks that make up the Survey Control Network and the cadastre in accordance with TfNSW G71.

By the Actual Completion Date for the whole of the Works, submit to the Principal the final Survey Control Marks and Cadastral Marks Register, together with evidence that all destroyed survey control and cadastral marks have been replaced in accordance with the NSW Surveyor General's requirements and all cadastral plans, locality sketches and diagrams relating to the Survey Control Network and the cadastre have been submitted as required by NSW Surveyor General's Direction Nos. 11 and 12.

43 WET WEATHER DELAY COSTS

Clause 43 applies when Annexure G2-C2/A5 specifies that a Pay Item for Wet Weather Delay Costs is included in the Contract.

For the purpose of this clause, a Wet Weather Day means a day for which an extension of time for Completion of the whole of the Works is granted pursuant to Clause 50 of the General Conditions of Contract, due either to delay caused solely by wet weather or its consequential effects on the Works, or where a delay due to wet weather is concurrent with one or more of the causes of delay listed in Clause 51.1 of the General Conditions of Contract.

In your claim for an extension of time under Clause 50 of the General Conditions of Contract, notify the Principal which particular days are claimed as Wet Weather Days.

You are entitled to payment of Wet Weather Delay Costs, but only for each Wet Weather Day in excess of the Threshold Number of Wet Weather Days stated in Annexure G2-C2/A5, and at the rate specified in Annexure G2-C2/A5.

Any amount payable for Wet Weather Delay Costs under Pay Item G2-C2P3 may be claimed in relevant Payment Claims.

44 AUSTRALIAN INDUSTRY PARTICIPATION PLAN (AIP PLAN)

44.1 GENERAL

Clause 44 applies when the Contract Information item 16C of the General Conditions of Contract specifies that the Contractor must comply with and implement the Certified AIP Plan.

The Principal is required to prepare and implement an Australian Industry Participation Plan for the project, in order to provide full, fair and reasonable opportunities to Australian entities through all tiers of the supply chain.

44.2 CERTIFIED AIP PLAN AND REPORTING

Annexure G2-C2/A6 will state which of the clauses, whether Alternative 1 or Alternative 2, will apply to this contract.

Alternative 1

A copy of the Principal's draft AIP Plan is included in Annexure G2-C2/A6. Within 30 days of the Date of Contract, provide the following details to the Principal:

- (a) estimated percentage of imported goods and services for each category of works listed under the "Civil Contractor" heading in the table included in section 2.1 of the draft AIP Plan;
- (b) estimated amounts and percentages required to populate the table included in section 2.2 of the draft AIP Plan; and
- (c) other details required to finalise the Principal's AIP Plan.

The Principal will incorporate your details provided into the draft AIP Plan and obtain certification of the AIP Plan from the Department of Industry, Innovation and Science. The Principal will then issue you with a copy of the Certified AIP Plan.

Comply with the Certified AIP Plan at all times, and report on your implementation of the Certified AIP Plan on the details and at the times stated below:

- (i) any variations to the Certified AIP Plan, as relevant, during the progress of the Works;
- (ii) any other details related to your implementation of the Certified AIP Plan that may, from time to time, be requested by the Principal; and
- (iii) at the time of the Principal and the Contractor reaching agreement that Completion has been achieved but before the Principal has given the Contractor a notice stating the Actual Completion Date, details of the following:
 - actual percentage of imported goods and services for each category of works listed under the "Civil Contractor" heading in the table included in section 2.1 of the Certified AIP Plan;
 - actual amounts and percentages for purchased goods and services (refer to the table included in section 2.2 of the Certified AIP Plan).

Alternative 2

A copy of the Principal's Certified AIP Plan is included in Annexure G2-C2/A6.

Comply with the Certified AIP Plan at all times, and report on your implementation of the Certified AIP Plan on the details and at the times stated below:

- (i) any variations to the Certified AIP Plan, as relevant, during the progress of the Works;
- (ii) any other details related to your implementation of the Certified AIP Plan that may, from time to time, be requested by the Principal;
- (iii) the monthly progress report must incorporate an "Australian Industry Participation Plan" section that sets out details of compliance with and implementation of the Certified AIP Plan; and

- (iv) within 5 months of the Date of Contract, and then at 6 monthly intervals, provide to the Principal a completed Compliance Report using the latest Compliance Report template.

44.3 IMPLEMENTATION

Engage with the Department of Industry, Innovation and Science's Entrepreneurs Programme to support the capability of your subcontractors, where relevant.

Include a provision to ensure compliance with the Certified AIP Plan in your subcontract documents for all subcontracts valued at or over \$100,000.00. Provide evidence of this to the Principal when requested by the Principal.

All costs associated with implementation of the Certified AIP Plan and compliance with this clause is deemed to be included in the rates and prices generally.

ANNEXURE G2-C2/A – PROJECT SPECIFIC REQUIREMENTS**A1 GENERAL****A1.1 Supply and Removal of Information Signboards**

Refer to Clause 19.

Item	Description	Requirement
A1.1	Information signboards supplied by the Principal	No ⁽¹⁾
A1.2	Information signboards to be removed at	Completion

Notes:

⁽¹⁾ Where signboards are not supplied by the Principal, the Principal will provide details of the sign face layout.

A4 WORK-AS-EXECUTED DRAWINGS

Refer to Clause 41.

Item	Description	Requirement
A4.1	Electronic copy of WAE drawings required	Yes
A4.2	If requirement for item A4.2 is “Yes”, electronic format required in	Refer to Clause 1.3.4.4 of G1 Specification ⁽¹⁾

Notes:

⁽¹⁾ WAE details incorporated in electronic design model using standard TfNSW CADD software.

A5 WET WEATHER DELAY COSTS

Refer to Clause 43.

Item	Description	Requirement
A5.1	A Pay Item for Wet Weather Delay Costs is included in the Contract (G2-C2P3)	■
A5.2	Threshold Number of Wet Weather Days	■■■■■
A5.3	Rate for calculating Wet Weather Delay Costs	■■■■■■■■■■ ■■■■■

A6 PRINCIPAL’S AIP PLAN

Refer to Clause 44.

Item	Description	Requirement
A6.1	Certified AIP Plan and reporting requirements in accordance with Clause 44.2 which are applicable	Alternative 2

ANNEXURE G2-C2/B – MEASUREMENT AND PAYMENT

Except where specific pay items are provided, all costs associated with complying with the requirements detailed in this Specification are deemed to be included in the rates and prices generally for the Work Under the Contract.

Pay Item G2-C2P1 Not Used

Pay Item G2-C2P2 WAE Drawings

Pay Item G2-C2P2 is a Lump Sum item.

The Lump Sum provides for the costs of all work associated with the preparation, printing and certification of a paper copy of WAE drawings and if specified in Annexure G2 C2/A4, preparation of an electronic copy.

50% of the Lump Sum will be paid on a pro-rata basis, having due regard to the progressive provision of WAE drawings (or evidence that they are under active development).

Payment of the remaining 50% of the Lump Sum will be made on receipt of the final WAE drawings.

Pay Item G2-C2P3 Wet Weather Delay Costs

Pay Item G2-C2P3 only applies when Annexure G2-C2/A5 specifies that a Pay Item for Wet Weather Delay Costs is included in the Contract.

The unit of measurement is “day”.

Payment will be made for the quantity of “days” for which Wet Weather Delay Costs is payable in accordance with Clause 43, and at the rate stated in Annexure G2-C2/A, item A5.3.

ANNEXURE G2-C2/C – SCHEDULES OF HOLD POINTS AND IDENTIFIED RECORDS

Refer to Clause 1.1.3.

C1 SCHEDULE OF HOLD POINTS

Clause	Description
14.2	Transfer of Environment Protection Licence
37.3.2	Submission of proposed Primary Testing subcontract documentation
37.3.3	Submission of Primary Testing subcontract, assessment and recommendation
G1	Specification G1 – Schedules of Hold Points and Witness Points

C2 SCHEDULE OF IDENTIFIED RECORDS

The records listed below are Identified Records for the purposes of TfNSW Q.

Clause	Description of Identified Record
26	Notification of any complaint received from members of the public concerning the work.
39	Final “as-built” Contract Program
41	Work-as-executed drawings

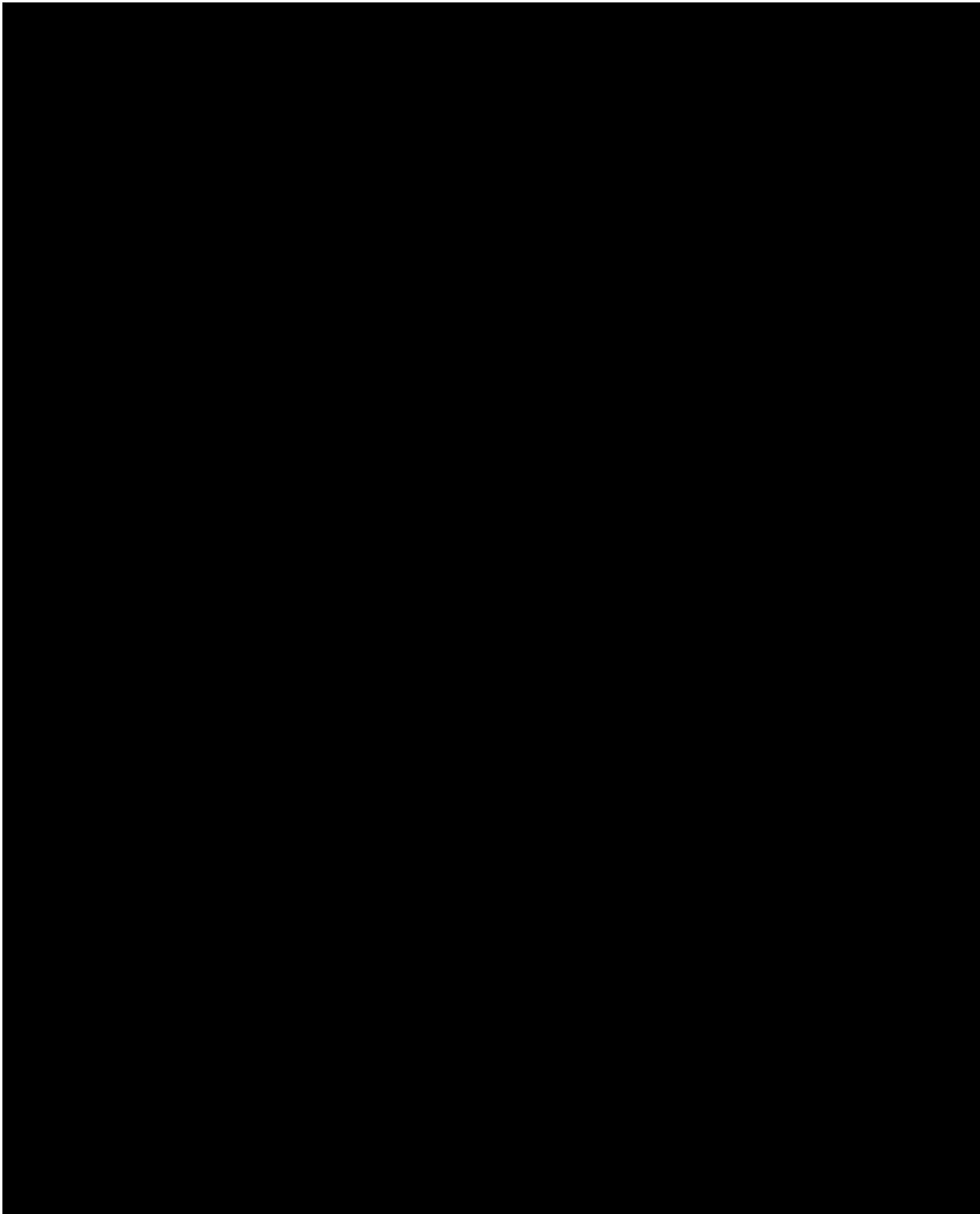
ANNEXURES G2-C2/D – NOT USED

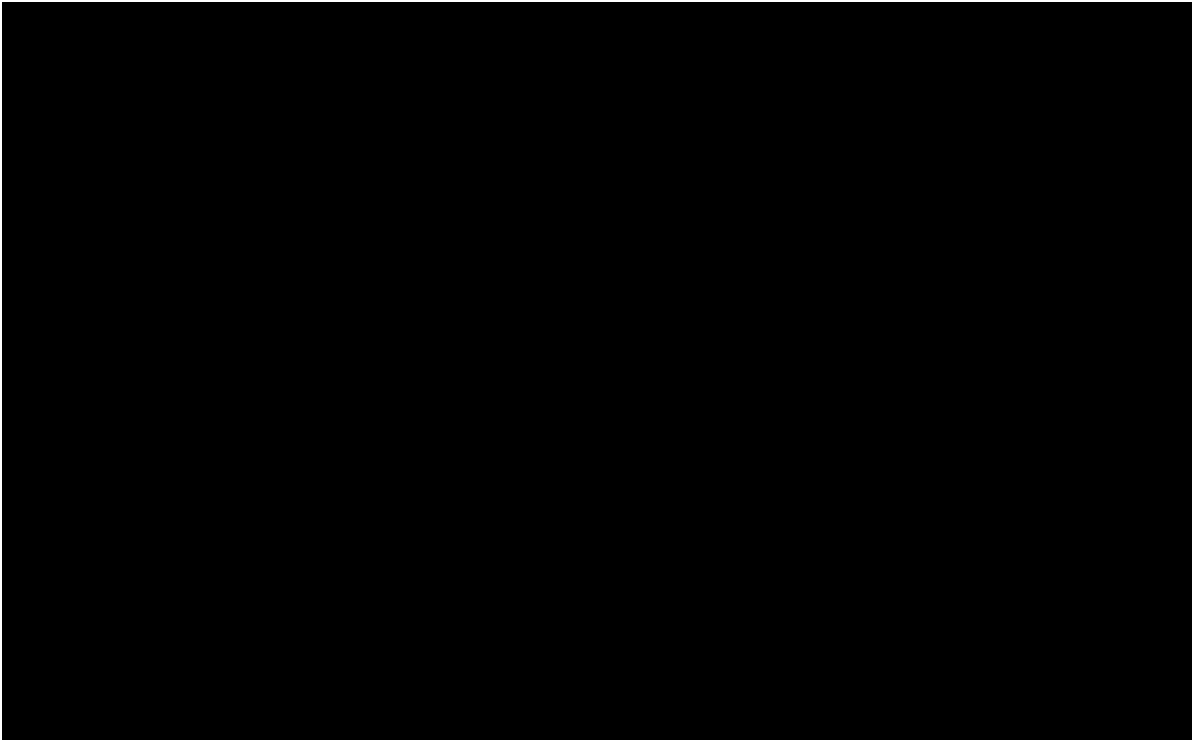
ANNEXURE G2-C2/E – SCHEDULE OF DAYWORK RATES

E1 SCHEDULE OF DAYWORK RATES

Refer to Clause 31.

The following rates for labour and plant must be applied to the valuation of Daywork to the extent that the listed rates apply to the work.





E2 METHOD OF CALCULATION OF DAYWORK LABOUR RATE

(ℓ = notional monetary unit)

Table E2.1 - Calculation of Ordinary Daywork Labour Hourly Rates

Labour Hours		
a	Days per year	365
b	Weekend days (52weeks*2days)	104
c	Total week days (a-b)	261
d	Annual leave (4weeks)	20
e	Public holidays	9
f	Picnic Day	1
g	Sick leave (estimate)	5
h	Total working days (c-d-e-f-g)	226
i	Wet weather (estimate)	20
j	Rostered days off	13
k	Productive working days per year (h-i-j)	193
l	Productive working hours per day (8 hours daily less 0.5 hour unproductive)	7.5
m	Productive working hours per year (k*l)	1,447.5
Daily Wages		
n	Award rate	ℓ 20.00
o	Negotiated EBA hourly allowance	ℓ 9.00
p	Base hourly rate (n+o)	ℓ 29.00
q	Paid working hours per day	7.60
r	Base daily rate (p*q)	ℓ 220.40
s	Daily fares	ℓ 17.00
t	Daily rate (r+s)	ℓ 237.40
Annual Wages		
u	Base annual wage (c*r)	ℓ 57,524.40
v	Travelling allowance (h*s)	ℓ 3,842.00
w	Leave loading (t*d*17.5%)	ℓ 830.90
x	Annual wage (u+v+w)	ℓ 62,197.30
Statutory On Costs		
y ₁	Payroll tax (x*5.45%)	ℓ 3,389.80
y ₂	Superannuation (x*9%)	ℓ 5,597.80
y ₃	Workers Compensation levy ([x+y ₂]*5.79%)	ℓ 3,925.30

y ₄	Severance pay (r*10days)	£ 2,204.00
y	Total On Costs (y ₁ +y ₂ +y ₃ +y ₄)	£ 15,116.90
z	Labour cost per annum (x+y)	£ 77,314.20
Labour Costing (Ordinary Time)		
	Daywork labour cost per hour (z÷m)	£ 53.40

Table E2.2 - Calculation of Overtime Daywork hourly rates

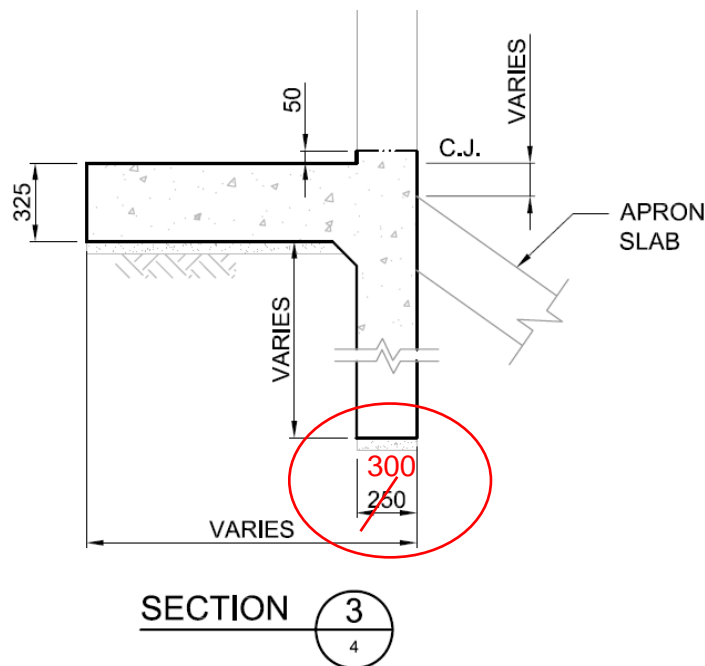
		Time and a half	Double Time
Daily Wages			
a	Award Overtime rate	£ 30.00	£ 40.00
b	Negotiated EBA hourly allowances	£ 10.00	£ 12.00
c	Base hourly rate (a+b)	£ 40.00	£ 52.00
Statutory On Costs			
x ₁	Payroll tax (c*5.45%)	£ 2.20	£ 2.80
x ₂	Workers Compensation Levy (c*5.79%)	£ 2.30	£ 3.00
x	Total On Costs (x ₁ +x ₂)	£ 4.50	£ 5.80
Labour Costing (Overtime)			
	Daywork overtime labour cost per hour (c+x)	£ 44.50	£ 57.80

ANNEXURE G2-C2/F – REQUIREMENTS FOR WAE DRAWINGS

F1 CHANGES OR AMENDMENTS ON DRAWINGS

- (a) All changes must be marked in red.
- (b) Added lettering or callout text must be in red and at least 3.5 mm high on an A1 sheet. The text must still be easily readable if the drawing is reproduced in A3 size.
- (c) The amendments depicting work-as-executed details must be carefully and accurately prepared, shown in red colour and indicated by encircling the amended details with a red circular or oval “bubble” or a wavy line (“clouded”).
- (d) The original detail or dimension must be shown and struck through with a red line (or red cross marks) and the new detail or dimension must be shown in red.

Example:



- (e) The original design and the work-as-executed details must be clearly distinguishable and be of acceptable quality to enable permanent storage of the drawing, microfilming and electronic scanning.
- (f) If insufficient room is available on the drawing for changes to be indicated clearly, a new sheet must be added, with suitable changes made to the index. WAE changes must not be shown on the back of drawings.

F2 CERTIFICATION

Every set of WAE drawings must be certified and signed by a person employed by the Contractor who is in a position to know the details of the WAE changes.

The certification must state: “I certify that the work has been constructed in accordance with these drawings including the changes marked in red”. The certification may be integrated with the WAE stamp as shown in Example 2 below.

Every sheet of the WAE drawings must be stamped with an appropriate red certification, and signed. If you advise the Principal that a signature on each sheet is not practical (as in the case of a very large set of drawings), the Principal may accept the WAE drawings with the first sheet stamped and signed (as shown in either Example 1 or Example 2), and with all other sheets bearing an appropriate marking (as shown in Example 3).

Example 1:

Acceptable style for a single drawing or the first sheet of a set of drawings, with the certification inserted under or adjacent to the stamp, as illustrated below.

<p><i>These plans comprising sheets in total show</i></p> <p>WORK-AS-EXECUTED</p> <p><i>Signed..... Date.....</i></p> <p><i>Position.....</i></p>
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I certify that the work has been constructed in accordance with these drawings including the changes marked in red.

Signed..... Date.....

Name..... Position.....

Example 2:

Acceptable style for a single drawing or the first sheet of a set of drawings, with the certification integrated within the stamp, as illustrated below.

<p><i>These plans comprising sheets in total show</i></p> <p>WORK-AS-EXECUTED</p> <p><i>I certify that the work has been constructed in accordance with these drawings including the changes marked in red.</i></p> <p><i>Signed..... Date.....</i></p> <p><i>Name..... Position.....</i></p>
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Example 3: Acceptable style for following sheets of a set of multiple drawings

WORK-AS-EXECUTED

Sheet No

ANNEXURES G2-C2/G TO G2-C2/L – (NOT USED)

ANNEXURE G2-C2/M – REFERENCED DOCUMENTS

Refer to Clause 1.1.4.

TfNSW Specifications

TfNSW G7	Utility Adjustment
TfNSW G10	Traffic Management Plan
TfNSW G22	Work Health and Safety
TfNSW G36	Environmental Protection
TfNSW G40	Clearing and Grubbing
TfNSW G71	Construction Surveys
TfNSW CEMP	Early Works Construction Environmental Management Plan
TfNSW Q	Quality Management System
TfNSW R44	Earthworks