

Aurukun Wastewater Infrastructure

Request for Tender T005/20

Aurukun Shire Council

2020-08-28

aurecon

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to life*

Document control record

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1 Conditions of Tendering and Tender Submission Documents

1.1 Defined Terms

The terms defined in Section 5.1 shall apply to these Conditions of Tendering to the extent that they are relevant.

1.2 Principal

References throughout these Conditions of Tendering to the 'Principal' mean the entity stated in Section 4.2 Annexure A to the General Conditions of Contract.

1.3 Superintendent

References throughout these Conditions of Tendering to the 'Superintendent' mean the entity stated in Section 4.2 Annexure A to the General Conditions of Contract.

1.4 Electronic Communications

Unless otherwise stated in this Tender Document, electronic communications will be treated as written communications. Electronic communications may include but are not limited to:

- Email
- LG Tender Box

Emails will be deemed received if no 'failure to deliver' message was received by the sender.

1.5 Lump Sum Tenders

It is the meaning and intent of the Specification, the Drawings and General Conditions of Contract, to provide for the letting of one Lump Sum Contract for the whole of the Works covered by this Contract.

1.6 Documents to be Submitted

The following shall be submitted with the Tender:

- Completed Tender Form contained in Section 2
- Schedules contained in Section 3 completed in full, as required by the Schedule of Tender Submission.

If any of the documents are not submitted with the Tender, the Tender will be deemed as non-conforming, unless the Principal elects to consider it. In that case, the Superintendent may request further details from the Tenderer.

1.7 Tenderer's Name and Address

Every Tender shall set forth the full first names, surname and address of the Tenderer if they are a natural person(s); and when the Tender is in the name of a firm, the names in full and addresses of each member of the firm. When the Tender is by a Company there shall be set forth the name of the Company and the address of the registered office of the Company.

1.8 Qualifications of Tenderer

Tenderers must be established Contractors and must be appropriately experienced in successfully completing the type of work described in the Specification; and have within their establishment adequate professional and administrative staff to undertake the work in the manner and within the time specified. They shall be deemed to have used the full resources of their organisation in the examination of the Drawings, Specifications, Conditions of Contract and the Site in the preparation of their Tender.

Every Tenderer shall be able to provide plant, materials, labour and perform all works required in accordance with the Specification and Drawings issued by the Principal and subject to Conditions of Tender and General Conditions of Contract for the lump sum specified in the Tender Form.

1.9 Lodgement of Tenders

Tenders are to be lodged via LG Tender box under the Contract Number (T005/20).

Tenders must be received before 5:00 PM (AEST), Monday 21 September 2020.

The attached schedules must be completed and attached to the tender, along with any other relevant information.

1.10 Site Visit

A mandatory site visit will be organised prior to the tender closing. The Superintendent will inform all preregistered Tenders of proposed arrangements for attending the site inspection. Any costs associated with a site inspection will be the responsibility of the Tenderer. Attendance form is attached on LG Tenderbox and must be returned to April Chiu cairns@arecongroup.com by Friday 4 September 2020.

1.11 Accommodation

The awarded Contractor shall use the existing accommodation provided by Aurukun Shire Council for the duration of the Contract works. The contractor is to contact Aurukun Shire Council for availability and pricing.

1.12 Tenderer to Inform Itself

Prior to submitting a Tender, the Tenderer will be deemed to have:

- Examined all the information made available by the Principal for the purpose of Tendering including any drawings, specifications, schedules, Conditions of Tender, reports, maps, diagrams, Contract conditions and the like.
- Assessed the risk and cost of performing the services or carrying out the Works within any particular time, cost or quality constraints.
- Made whatever enquiries it considers necessary in order for it to properly assess the risk and cost of performing the services or carrying out the Works within any particular time, cost or quality constraints.
- Examined the Site, and its surroundings to satisfy itself of the local conditions and facilities, the Principal will not be liable for any claim on the grounds of insufficient information. Tenderers shall obtain for themselves at their own responsibility, all information that may be necessary for preparing a Tender and entering into a Contract.
- Informed itself as far as practicable of the nature of the Contract, the work and materials necessary for the execution of the work under the Contract, the means of access to and facilities at the Site, and transport facilities for deliveries to the Site.
- Satisfied itself as to the correctness and sufficiency of its Tender for the work under the Contract, and that the rates and prices stated therein cover the cost of performing all its obligations under the Contract.
- Informed itself of accommodation availability.

The Tender Information is provided in good faith and is believed to be reliable. However, neither the Principal nor the Principal's Agents warrant the accuracy of the Tender Information.

Failure by the Contractor to do any or all of the things the Contractor is deemed to have done under this clause will not relieve the Contractor of its liability to perform all its obligations under the Contract.

1.13 Schedule of Prices for Tendering (SOPT)

Every Tenderer shall submit with its Tender the Schedule of Prices for Tendering fully priced, with the elemental breakdown total to agree with the Lump Sum of its Tender and be signed by the Tenderer.

The quantities and/or items listed in the SOPT are believed to be approximately correct, but no responsibility will be accepted by the Principal for the accuracy of the quantities or for the omission of any item necessary for the completion of the work as specified, nor will the Principal be deemed to have incurred any liability for any error in quantities or omission of items from the schedules.

The Contractor will be deemed to have checked the quantities and/or items against the Drawings and Specification and made any adjustments required in its tender.

If any Tender shall be accepted and any correction is necessary to ensure that the Schedule of Prices for Tendering arrives at the lump sum in the manner noted above, the successful Tenderer shall without any

undue delay make such alterations in and to the Schedule of Prices for Tendering (and whether in quantities thereof or in the rates) as the Principal shall consider necessary for such purposes.

1.14 Conforming and Non-Conforming Tenders

A Tender complying with the requirements of the Tender Document (a conforming Tender) must be lodged. Any Tender that does not comply in every respect with the requirements of the Tender Document (a non-conforming Tender) may be rejected.

Tenderers may also submit non-conforming tenders. Such tenders shall clearly state the way(s) in which they do not conform with the Tender Document, the Tender Price and the proposed Contract period.

1.15 Principal Not Bound

The Principal shall not be bound to accept the lowest or any Tender.

1.16 Verbal and Written Advice

The Principal shall not be bound by any verbal advice given or information furnished by any officer of the Principal in respect of the Contract but shall be bound only by written advice or information furnished by the Principal. For the purpose of this clause, 'Principal' also includes agents of the Principal.

1.17 Formal Instrument of Agreement

The successful Tenderer (if any) shall, in accordance with the Conditions of Contract, enter into with the Principal a Formal Instrument of Agreement for the due performance and fulfilment of its Tender and the Contract arising out of the acceptance thereof. With reference to Clause 6 of the General Conditions of Contract, such Formal Instrument of Agreement shall be in duplicate.

Unless and until a formal agreement is executed in accordance with the Conditions of Contract, the Principal's letter of acceptance, post-Tender correspondence, the Tender, Notices to Tenderers issued by the Principal, Drawings, Specifications, Special Conditions of Contract, General Conditions of Contract and the balance of the Tender Documents will constitute the Contract between the Principal and the successful Tenderer.

1.18 Tender Evaluation and Validity Period

Should the Principal decide to accept any Tender, it is anticipated that a Contract would be awarded within a period of 60 days from the date of close of Tenders. Tender prices shall remain valid for a period of 90 days from the date of close of Tenders.

1.19 Post Tender Information

After close of tenders, the Principal or its agents may seek further information from the Tenderer either verbally or in writing or by telephone, email, or facsimile request and any information furnished by or on behalf of the Tenderer other than in writing shall forthwith be confirmed in writing if so required by the Principal.

The Tenderer shall only provide any additional information as may be requested by the Principal, or responses to questions asked by the Principal, for the evaluation of the Tender(s).

Additional information supplied will form part of the Contract, at the sole discretion of the Principal. No additional terms, qualifications, conditions or information submitted by the Tenderer after close of tenders and not contained in the original Tender shall be accepted as part of the Tender unless specifically agreed otherwise by the Principal in writing.

1.20 Tender Evaluation Criteria

Evaluation of Tenders will take into account the criteria outlined in Table 1:

Table 1 Tender Evaluation Criteria

No.	Criteria	Description	Relevant schedule(s)
1	Key staff experience and skills	Including skills and experience of the nominated people over past 10 years, their prior experience and their qualifications / capabilities.	Schedule B, D
2	Company experience	Track record of company, including remote experience and Indigenous community experience; outcome of reference checks.	Schedule B
3	Price	Price and rates	Schedule A, F
4	Indigenous employment and training programs	Proposal of how to achieve Queensland Government Building and Construction Training Policy	Schedule H
5	Company resources and management systems	Includes company turnover, number of staff, plant resources; QA, environmental and safety systems	Schedule C, E, F, G

1.21 Post Tender Interview

The Principal or its agents may interview a Tenderer in relation to its Tender. The Tenderer shall be represented at interviews by a responsible member or members of its staff conversant with all technical, financial and contractual details of the Tenderer who is/are authorised to make, at the interview, any decision on behalf of the Tenderer and who is/are able to indicate the relative values of any items under discussion.

1.22 Tenderer's Interpretation

The Tenderer, being deemed to be a Contractor experienced and skilled in works of the nature and extent included in this Contract, shall make its own interpretation of all relevant surrounding interfaces, climatic and environmental conditions liable to be encountered in the execution of the Works.

Should this interpretation differ from that evidenced in the Contract Documents, the Tenderer shall highlight any differences of interpretation in its Tender.

1.23 Discrepancy or Error in Tender Documents

Any discrepancy, anomaly, error or omission in the Tender documents must be advised immediately by the Tenderer and clarification requested. Such clarification shall be requested in accordance with clause 1.29. Any unresolved discrepancy, anomaly, error or omission shall be notified to the Principal in writing on or before the closing date for Tenders. Such advice shall be delivered in accordance with clause 1.29.

1.24 Notices to Tenderers

Notices to Tenderers issued during the Tender Period will form part of the Tender Documents and will clarify, revise, amend or modify the Tender Documents previously issued, to the extent stated in the notice.

1.25 Method Statement and Tender Program

The Contractor's Tender shall be accompanied by a clear method statement setting out its intended approach to carrying out all major items of work in the Contract. It shall include lists of all resources, plant, materials and labour to be used for this Contract.

The Contractor's Tender shall also be accompanied by a Tender Program in the form of Gantt Chart indicating the Contractor's proposed method and sequences of performing the Works. The Gantt Chart shall be prepared to a horizontal scale of time accumulated from start to finish of the Project, with elapsed times in weeks shown across the top of the drawing. Only major activities need be shown and these shall include establishment, ordering and procurement of materials, plant and equipment, together with physical work operations. This Gantt Chart shall be in the form of a summary network and shall be activity orientated showing interdependencies, and each activity shall be a clearly defined subdivision of a particular item of work.

The activities shall be arranged to show the 'Critical Path', with all other activities and their float times shown as horizontal lines above or below. This Tender Program shall be further developed as the Construction Program by the successful Tenderer (if any).

The head and tail node of each activity shall be identified by unique numbers in proper chronological sequence. Float times shall be shown separately.

The method statement and Tender Program will, under no circumstances, remove or override any otherwise stated requirement or condition of the Contract. In the event that shown dates or described work methods in any way conflict with specified requirements then, to the extent of such conflict, the Specified requirements shall take precedence and the Tender Program or method statement must be amended to reflect the requirements of the Contract.

1.26 Site Information

Site information and details of the Works are included in the Contract Documents. It remains the Tenderer's responsibility to fully inform itself of the conditions prevailing on the Site and make its own assessment of the relevancy of the information provided.

1.27 Code for Tendering

Tendering for this Contract shall comply with the *Code for the Tendering and Performance of Building Work 2016*. Specific obligations of Tendering are detailed in Section 7 of the Code.

1.28 Clarification

All matters requiring clarification with respect to the Tender Document, including Tender submission, scope of works, technical requirements or contractual provisions are to be lodged via LG Tender Box under the Contract Number T005/20. Alternatively, requests for clarifications may also be directed to the Superintendent via the cairns@aurecongroup.com email address quoting the Contract Number and Project Name.

2 Tender Form

Tender For: Aurukun Wastewater Infrastructure

Contract No.: T005/20

Tender By:

(Formal Name of Entity)

(ABN)

(Address of Business)

I/We the undersigned do hereby offer to provide all materials, equipment and labour and perform all work required in about or in connection with the above Works in accordance with the Tender Documents issued by the Principal set out below:

- General Conditions of Contract AS4000-1997 and Parts A, B and C of the Annexure to the General Conditions of Contract
- Special Conditions of Contract
- Specifications and associated Schedules
- The Drawings as set out in the appendices
- The Schedules
- Any Notices to Tenderers or Addenda issued by the Principal during the Tender Period

For the Lump Sum of (excluding GST) as per the Schedule of Prices for Tendering	\$
--	----

.....
(Amount in Words GST exclusive)

SIGNED for and on behalf of the

Tenderer:
.....

Witness: Name (printed):

3 Returnable Schedules

3.1 Schedule of Tender Submissions

The Tenderer shall complete and sign this schedule confirming information submitted with the Tender.

No.	Information Required	Submitted
1	Schedule of Tender Submissions (this form)	
2	Tender Form	
3	Acknowledgment of any Notices to Tenderers issued by the Principal during the Tender Period	
4	Other schedules included in the Tender Documents duly completed as appropriate:	
A	Schedule of Prices	
B	Capacity Assessment	
C	Quality Assurance, Environmental and Safety Systems	
D	Proposed Subcontractors and Suppliers	
E	Method Statement and Tender Program	
F	Labour and Construction Plant Rates	
G	Insurance Details	
H	List of Items allowed for in Schedule of Prices for Tendering	

SIGNED for and on behalf of the

Tenderer:

Witness: Name (printed):

3.2 Acknowledgement of any Notices to Tenderers issued by the Principal during the Tender period

The following Notices to Tenderers have been received and incorporated within the Tender:

Notice No(s).	Date

Should the foregoing Tender be accepted I/we will enter into an agreement with the Principal for the due performance and fulfilment of the Tender and Contract arising out of the acceptance thereof in accordance with the Tender Documents issued by the Principal.

SIGNED for and on behalf of the

Tenderer:
.....

Witness: Name (printed):

3.3 Schedule A – Schedule of Prices for Tendering (SOPT)

The SOPT is provided to Tenderers in excel format. The Tenderer must submit the completed SOPT in Excel format as part of its Tender. Clearly identify any new items or alterations to quantities by use of a different colour font or by highlighting cells.

3.4 Schedule B – Capacity Assessment

- Previous Project Experience
- Current Performance
- Current Workload

Key Personnel and Qualifications

Role	Name	Qualification	Experience
e.g. Project Manager			
e.g. Project Engineer			
Team Management			

Note: Attach supplementary pages where required.

SIGNED for and on behalf of the

Tenderer:

Witness: Name (printed):

3.5 Schedule C – Quality Assurance, Environmental and Safety Systems

Detail the current status of the Tenderer’s Quality, Environmental & Safety Systems including with which standards the systems comply and any previous projects where these systems were implemented. Provide any certifications or plans previously used.

SIGNED for and on behalf of the

Tenderer:

Witness: Name (printed):

3.6 Schedule D – Proposed Subcontractors and Suppliers

Describe any work intended to be subcontracted and the names and addresses of proposed Subcontractors and suppliers. The geographical location of suppliers and subcontractors is also to be included. Acceptance of the Tender does include approval of the intended work by Subcontract or proposed Subcontractors and suppliers. The provisions of the General Conditions of Contract shall apply.

1) Suppliers

Name	Product	Supplier Details / Location

2) Subcontractors

Name	Activity	Subcontractor's Details / Location

SIGNED for and on behalf of the

Tenderer:

Witness: Name (printed):

3.7 Schedule E – Method Statement and Tender Program

Provide details of Tenderer’s proposed methodology and the Tender Program. The Tender Program must be supplied in electronic format in its native language (e.g. MS Project), in addition to a hard copy.

SIGNED for and on behalf of the

Tenderer:
.....

Witness: Name (printed):

3.8 Schedule F – Labour and Construction Plant Rates

Set out the hourly hire rates for all plant and equipment proposed to be used on the Contract, as well as labour rates for personnel. Rates must be included for labourers, tradesmen, supervisors/foremen, and contract administrators.

The rates shall be determined with regard to all the matters included in clause 28 of the General Conditions of Contract. Rates for plant shall be deemed to include the operator.

All rates are to be GST exclusive.

Labour/Plant	Description	Hourly Rate	Daily Rate

SIGNED for and on behalf of the

Tenderer:

Witness: Name (printed):

3.9 Schedule G – Insurance Details

Tenderers must list information applicable to all policies of insurance required by the Contract. In relation to each policy, a copy of the certificate of currency must be attached to the Tender.

If the Tenderer has more than one policy for each category of insurance, details must be provided in relation to all policies.

Insurance must be provided in the amount (if any) specified in the Contract.

Workers Compensation	
Insurer:	Company / Partnership / Business Name / Person
Policy No.:	
Expiry Date:	
Public Liability Insurance	
Amount:	
Insurer:	
Policy No.:	
Expiry Date:	
Contract Works Insurance	
Amount:	
Insurer:	
Policy No.:	
Expiry Date:	

SIGNED for and on behalf of the

Tenderer:

Witness: Name (printed):

4 General Conditions of Contract and Annexures

4.1 Conditions of Contract (AS4000 – 1997)

Australian Standard 'General Conditions of Contract' – AS4000-1997, published by the Standards Association of Australia together with the incorporated amendments, additions and deletions to that document shall, save conditions expressly excluded or varied by the Specification, form part of this Contract.

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4.2 Part A

**ANNEXURE to the
Australian Standard General Conditions of Contract
(AS4000 – 1997)**

This Annexure shall be completed and issued as part of the tender documents and, subject to any amendments to be incorporated into the *Contract*, is to be attached to the General Conditions of Contract and shall be read as part of the *Contract*.

Item		
1	<i>Principal</i> (clause 1)	Aurukun Shire Council
2	<i>Principal's address</i>	506 Kang Kang Road, Aurukun QLD 4892
3	<i>Contractor</i> (clause 1)	ACN:
4	<i>Contractor's address</i>	
5	<i>Superintendent</i> (clause 1)	Aurecon Australasia Pty Ltd ACN: 005 139 873
6	<i>Superintendent's address</i>	Level 1, 242 Mulgrave Road (PO Box 7625) Cairns Qld 4870
7	a) <i>Date for practical completion</i> (clause 1) OR b) <i>Period of time for practical completion</i> (clause 1)	6 weeks from the date of Possession of Site
8	Governing law (page 5, clause 1(h))	Queensland If nothing stated, that of the jurisdiction where the <i>site</i> is located.
9	a) Currency (page 5, clause 1(g))	That of the jurisdiction where the <i>site</i> is located
	b) Place for payments (page 5, clause 1(g))	The <i>Principal's</i> address
	c) Place of business of bank (page 3, clause 1(d))	The place nearest to where the <i>site</i> is located
10	<i>Bills of quantity</i> (subclause 2.2)	

	a) Alternative applying (subclause 2.2)	Alternative 1
	b) If Alternative 2 applies, is the <i>bill of quantities</i> to be priced? (subclause 2.2)	Not applicable
	c) Lodgement time (subclause 2.3(b))	Tender submission
11	Quantities in <i>schedule of rates</i> , limits of accuracy (subclause 2.5(b))	Not applicable
12	<i>Provisional sum</i> , percentage of profit and attendance (clause 3)	12.5 %
13	<i>Contractor's security</i>	
	a) Form (clause 5)	Not applicable
	b) Amount or maximum percentage of <i>contract sum</i> (clause 5)	If nothing stated, 5% of the <i>contract sum</i>
	c) If retention moneys, percentage of each <i>progress certificate</i> (clause 5 and subclause 37.2)	If nothing stated, 10%, until the limit in <i>Item 13(b)</i>
	d) Time for provision (except for retention moneys) (clause 5)	If nothing stated, within 28 days after <i>date of acceptance of tender</i>
	e) Additional <i>security</i> for unfixed plant and materials (subclause 5.4 and 37.3)	Not applicable
	f) <i>Contractor's security</i> upon <i>certificate of practical completion</i> is reduced by (subclause 5.4)	50% of amount held
14	<i>Principal's security</i>	
	a) Form (clause 5)	Not applicable
	b) Amount or maximum percentage of <i>contract sum</i> (clause 5)	If nothing stated, nil
	c) Time for provision (clause 5)	If nothing stated, within 28 days <i>after the date of acceptance of tender</i>
	d) <i>Principal's security</i> upon <i>certificate of practical completion</i> is reduced by (subclause 5.4)	If nothing stated, 50% of amount held

15	Principal-supplied documents (subclause 8.2)	Document	No. of copies
		1 . Contract Documents (Parts 1-7)	. Electronic
		2 . Drawings (SPS3 & WWT)	. Electronic
		3 . SOPT	. Electronic
		If nothing stated, 5 copies of the drawings, specification, <i>bill of quantities</i> or <i>schedule of rates</i> (if any)	
16	Time for <i>Superintendent's</i> direction about documents (subclause 8.3)	14 days	
17	Subcontract work requiring approval (subclause 9.2)	Not applicable	
18	Novation (subclause 9.4)	Subcontractor <i>WUC</i> Not applicable	Particular part of
		Selected subcontractor <i>WUC</i> Not applicable	
19	<i>Legislative requirements</i>		
	a) Those excepted (subclause 11.1)	Not applicable	
	b) Identified <i>WUC</i> (subclause 11.2(a)(ii))	Not applicable	
20	Insurance of the Works (clause 16)		
	a) Alternative applying	Alternative 1	
	If alternative 1 applies b) Provision for demolition and removal of debris	Not applicable	
	OR c) Provision for consultants' fee		
	OR d) Value of materials or things to be supplied by the <i>Principal</i>		
	e) Additional amount or percentage		
21	Public liability insurance (clause 17)		
	a) Alternative applying	If nothing stated, Alternative 1 applies	
	If alternative 1 applies b) Amount per occurrence shall be not less than	If nothing stated, then not less than the contract sum	

22	Time for giving possession (subclause 24.1)	Refer clause 5.6 of the Special Conditions of Contract
23	<i>Qualifying causes of delay</i> for which <i>EOTs</i> will not be granted (page 3, paragraph (b)(iii) of clause 1 and subclause 34.3)	Not applicable
24	Liquidated damages, rate (subclause 34.7)	\$ 2000 per week
25	Bonus for early <i>practical completion</i> (subclause 34.8)	Not applicable
	a) Rate	
	b) Limit	
26	Delay damages, other <i>compensable causes</i> (page 1, clause 1 and subclause 34.9)	Not applicable
27	<i>Defects liability period</i> (clause 35)	12 months
28	Progress Claims (subclause 37.1)	
	a) Time for progress claims	Payment Claims for each month to be submitted within the first 7 calendar days of the next month
	OR b) Stages of <i>WUC</i> for progress claims	Not applicable
29	Unfixed plant and materials for which payment claims may be made (subclause 37.3)	Not applicable
30	Interest rate on overdue payments (subclause 37.5)	18% per annum
31	Time for <i>Principal</i> to rectify inadequate possession (subclause 39.7)	14 days
32	Arbitration (subclause 42.3)	
	a) Person to nominate an arbitrator	If no-one stated, the President of the Institute of Arbitrators & Mediators Australia
	b) Rules for arbitration	If nothing stated: a) rules 5-18 of the Rules of the Institute of Arbitrators, Australia for the Conduct of Commercial Arbitrators; OR b) if one or more of the parties are nationals of and habitually resident in, incorporated in, or where the central management and control is exercised in, different countries as between the parties, then the UNCITRAL Arbitration Rules shall apply and the appointing authority shall be the person provided in <i>Item 32(c)</i>
	c) Appointing Authority under UNCITRAL Arbitration Rules	If no-one stated, the President of the Institute of Arbitrators & Mediators Australia

4.3 Part B

**ANNEXURE to the
Australian Standard General Conditions of Contract
(AS4000 – 1997)**

Deletions, amendments and additions

- The following clauses have been deleted from the General Conditions in AS4000 – 1997
Nil

- The following clauses have been amended and differ from the corresponding clauses in AS4000 – 1997
Nil

- The following clauses have been added to those of AS4000 – 1997
Refer to Part 5 Special Conditions of Contract

4.1 Part C

**ANNEXURE to the
Australian Standard General Conditions of Contract
(AS4000 – 1997)**

This form may also be used where the Principal is required to provide an unconditional undertaking, by substituting *Principal* for *Contractor* and vice versa, wherever occurring.

Approved form of unconditional undertaking

(clause 1 – security)

At the request of _____ ('the *Contractor*') and in consideration of _____ ('the *Principal*') accepting this undertaking in respect of the *Contract* for _____ ('the *financial institution*') unconditionally undertakes to pay on demand any sum or sums which may from time to time be demanded by the *Principal* to a maximum aggregate sum of (\$ _____)

The undertaking is to continue until notification has been received from the *Principal* that the sum is no longer required by the *Principal* or until this undertaking is returned to the financial institution or until payment to the *Principal* by the *financial institution* of the whole of the sum or such part as the *Principal* may require.

Should the financial institution be notified in writing, purporting to be signed by _____ for and on behalf of the *Principal* that the *Principal* desires payment to be made of the whole or any part or parts of the sum, it is unconditionally agreed that the *financial institution* will make the payments to the *Principal* forthwith without reference to the *Contractor* and notwithstanding and notice given to the *Contractor* not to pay same.

Provided always that the financial institution may at any time without being required so to do pay to the Principal the sum of (\$ _____) less any amount or amounts it may previously have paid under this undertaking or such lesser sum as may be required and specified by the Principal and thereupon the liability of the financial institution hereunder shall immediately cease.

Dated at _____ this _____ day of _____ 20_____

5 Special Conditions of Contract

5.1 Defined Terms

In the Tender Documents, except where the context otherwise requires:

'Approved', 'Directed', 'Required', 'Rejected', and similar expressions, mean approved, directed, required, rejected, by the Superintendent who shall be the sole judge and shall determine what is and what is not approved, irrespective of any trade usage.

'Concurrent Contractors' means other contractors employed by the Principal to work on Site during execution of the Works.

'Conditions of Contract' means the General Conditions of Contract and the Special Conditions of Contract.

'Conditions of Tender' means the conditions set out in Section 1 of the Tender Documents.

'Construction Program' has the meaning given to it in clause 32 of the General Conditions of Contract.

'Contract' means the Contract formed upon acceptance of a Tender.

'Contract Documents' mean the documents comprising the Contract, as set out and described in the Formal Instrument of Agreement.

'Contract Sum' has the meaning given to it in the General Conditions of Contract.

'Contractor' means the successful Tenderer (if any).

'Council' means the local authority where the site is located.

'Critical Path' on a program means all those activities on a timeline along which a delay to any activity will delay Practical Completion.

'Day' has the meaning assigned to it under the General Conditions unless noted as a 'Working Day'.

'Drawings', where that term appears in the Conditions of Tender, means the drawings referred to in **Appendix A** of the Tender Documents, and otherwise has the meaning given to it in the General Conditions of Contract.

'Electronic Format' means in the 'native' format of the program used to create the document in question. Therefore, for a construction program created using Microsoft Project, it would mean a Microsoft Project file rather than an electronic print such as a PDF file or similar.

'General Conditions of Contract' means AS4000-1997, together with Annexures Parts A B and C as set out in Section 4 of the Tender Documents.

'GST Law' has the same meaning as in the A New Tax System (Goods and Services Tax) Act 1999 (Commonwealth).

'Notices to Tenderers' means notices issued by the Principal to Tenderers during the Tender Period concerning the Tender Documents.

'Practical Completion' has the meaning given to it in the General Conditions of Contract.

'Principal' means the Principal stated in Item 1

'Project' means the Project Title as stated on the cover of this Contract Document

'Selected' means selected by the Superintendent from standard stock materials or items of a manufacturer or supplier.

'Special' means specially made to the Superintendent's approval and not selected from a standard range.

'Special Conditions of Contract' means the conditions set out in Section 5 of the Tender Documents.

'Schedule of Prices for Tendering' or **'SOPT'** means the schedule in Section 3.3 of this document. Also referred to as **'Schedule of Rates'**.

'Specification' or **'specification'** or **'Technical Specification'** or **'technical specification'**, where those terms appear in the Conditions of Tender, means the documents set out in Section 6 inclusive of the Tender Documents, and otherwise have the meaning given to the term 'Specification' in the General Conditions of Tender.

'Tender' means a Tender submitted by a Tenderer in accordance with the Tender Documents.

'Tender Submission Documents' has the same meaning.

'Tender Documents' or **'Tender document'** mean this document (including the Table of Contents, Sections 1-7, and Appendices) and the Drawings. **'Tender Document'** and **'Documents'** have the same meaning.

'Tender Information' means all information made available by the Principal to the Tenderer for the purpose of tendering for the Contract.

'Tender Period' means the period from the date of issue of the Tender Documents to the closing date for Tenders.

'Tenderer' means the person or company submitting a Tender.

'work under the Contract' has the meaning given to it in the General Conditions of Contract.

'Working Day' means a Contractor's normal working day i.e. Monday to Saturday 7am to 5:30pm, excluding public holidays, or as otherwise determined under the Contract.

'Working Hours' means normal working hours within a Working Day i.e. 7am to 5:30pm,

'Workplace Health & Safety Incident' means any injury to personnel which occurs on site or any accident involving people or plant which occurs on site or is associated with the works under the Contract.

'Works' has the meaning given to it in the General Conditions of Contract.

'SCADA' For the purpose of this document, the acronym SCADA is used to define both hardware and software and includes all installation components required to control the process both locally and remotely. This includes but may not be limited to the following:

- Field Instrumentation
- Cabling
- RTU's & PLC I/O
- HMI's
- Electrical systems and equipment related to plant control
- Switchboards, Motor Control Centres & Control Panels
- Modifications to software
- Modifications to supporting documentation
- Operator training in SCADA operation

Where local operation is referred to it means that an operator interface is provided in the immediate vicinity of the process equipment. This should be in line of sight and less than 10 metres away from the process item. Where remote SCADA operation is referred to, this means operation and monitoring from the locations where the SCADA terminals are located which is currently the council depot and electrician's office. Refer to Section 6.1 for SCADA related works.

5.2 Type of Contract

It is the meaning and intent of this Specification, Drawings and Conditions of Contract to provide for the letting of one Contract for the whole of the Works. The Contract shall be a Lump Sum Contract.

5.3 Scope of Work

Aurukun Wastewater Infrastructure upgrades consists of the 3 packages to be delivered by the same Construction Contractor. The Contractor shall supply all labour, supervision, materials, tools and equipment necessary to complete the Aurukun Wastewater Infrastructure project. The scope of works to be undertaken by the Contractor is outlined in the Drawings shown in Appendix A and includes but is not limited to:

Sewer Pump Station Upgrades

Structural & Mechanical

- Construction of new shelter structure over existing pump station including hoisting mechanism
- Construction of new genset structure over new generator
- Repositioning of existing lifting frame and hoisting mechanism to assigned manhole for macerator
- Supply and Installation of new (3kW DOL 3 phase) macerator assembly to assigned upstream manhole

Civil

- Construction of new fencing and gates

Electrical & SCADA

- Supply and Installation of cables to enable generator battery charging and auto start/stop capability
- Supply and Installation of a new emergency diesel generator
- Install the electrical cables and SCADA cable for a new macerator (supplied in the mechanical

specification) and test

- Supply and install a new Automatic Transfer Switch (ATS)
- Modify the existing switchboard as required to accept the new ATS connection
- Supply and install new cables to the existing switchboard, generator and new transfer switch
- Upgrade the supply cable from the supply pillar and circuit breaker to the automatic transfer switch if required to allow for the additional 3kW DOL 3 phase macerator load and genset
- Supply and Installation of new macerator control panel
- Connect the new macerator control panel to the existing switchboard and modify the existing switchboard with a new circuit breaker to provide power to the macerator
- Add earth stakes and equipotential bonding to the new equipment to ensure compliance with AS/NZS 3000 earthing requirements
- Installation of new Mag flow meters at SPS1, SPS2 & SPS3
- Deliver a fully working system cognisant of the design intent

Wastewater Treatment Works

Mechanical and Civil

- Installation of baffle system and associated components to Primary Lagoons 1 and 2
- Desludging of Primary Lagoons
- Repair of HDPE liner of Primary and Secondary Lagoons
- Mow strip to Lagoons perimeter
- Installation of escape ropes/ladders in Primary and Secondary Lagoons

Leachate Pond

- Repair of the HDPE liner of the leachate pond at the solid waste facility

The work will be valued as a lump sum. The lump sum price shall apply regardless of the actual quantity.

5.4 Day-to-Day Communications

The Contractor shall make allowance for the following requirements in relation to day-to-day communications.

Site Meetings

The Contractor must attend and host a monthly progress meeting on Site. The purpose of this meeting is to discuss progress and coordination of the Works with the Superintendent:

- Report on all WHS matters in respect to the Works
- Review actions from previous meetings
- Report on progress, delays, design quality and queries, Request for Information (RFI) register and status
- Report on progress payments
- Report on any Site and/or environmental issues
- Report on any statutory approvals, industrial relations and any compliance issues
- Issues requiring action by the Superintendent or Aurukun Shire Council

The meetings shall be chaired and minuted by the Contractor and will commence following the

Contractor mobilising to Site and until Completion of the Works.

Other Meetings

The Contractor must make allowance for itself and its Subcontractors to be available to attend specific discussions with the Superintendent at all other reasonable times from the Commencement Date until Completion of the Works.

Electronic Communications

Electronic communications will be treated as written communications. Electronic communications may include but are not limited to:

- Email

Emails will be deemed received if no 'failure to deliver' message was received by the sender.

5.5 Contract Documents Order of Precedence of Documents

The Contract Documents are to be taken as complementary and mutually explanatory and are intended to include all items required for the proper execution and completion of the Works. Any item of work mentioned in the Specification and not shown on the Drawings or shown on the Drawings and not mentioned in the Specification, shall be provided by the Contractor as if shown or mentioned in both.

Should there be any ambiguity, discrepancy or inconsistency in any of the documents forming part of the Contract, or unless there be any stipulation to the contrary in any of the documents forming the Contract, the following order of precedence shall apply (highest to lowest):

- Letter of acceptance
- Post-Tender correspondence
- Tender, including tender submission documents
- Notices to Tenderers
- Drawings
- Specifications
- Special Conditions of Contract
- General Conditions of Contract with Annexures
- Balance of the Tender Documents (excluding Conditions of Tendering)

5.6 Times for Commencement and Practical Completion

Prior to being given possession of the Site, the Contractor shall prepare and submit to the Superintendent for review, the following Contract Plans:

- Construction Methodology, as described in section 'Construction Methodology'
- Construction Program, as described in section 'Construction Program'
- Quality Plan, as described in section 'Quality Assurance'
- Environmental Management Plan, as described in section 'Environmental Management'
- Safety Plan and certification, as described in section 'Safety'

The Contractor shall give the Superintendent a minimum of 7 days to review these documents. Following review, the Superintendent shall notify the Contractor of any required amendments to these documents. The Contractor shall make such amendments forthwith and resubmit for review.

The Superintendent shall complete a review of the amended documents within a reasonable time. When the Superintendent is of the opinion that all the documents meet the requirements of the Contract, the Contractor shall be notified by the Principal in writing.

The Contractor will not be permitted to commence establishment, mobilisation or setting out the Works on site until the Contractor has been given possession of Site by the Principal or Superintendent.

Possession of the Site shall not be granted if the Contractor has not supplied to the Superintendent:

- The security deposit lodged by the Contractor;
- Evidence of all relevant insurances is received;
- The Superintendent has issued the notification regarding the Contractor's submission documents referred to in this clause, and the documents have been amended by the Contractor and accepted by the Superintendent; and

Delays to critical path activities shall be rounded down to the nearest half day

Only delays to critical path activities as defined in the Construction Program greater than half a day will be accepted.

5.7 Construction Methodology

The Contractor shall submit to the Superintendent for review a Construction Methodology which includes the detailed works program to complete all Contractor's Activities.

The Construction Methodology shall include details on how the Works will be undertaken in accordance with this Contract. The Construction Methodology shall include, but is not limited to, the following:

- Pre-construction activities
- Mobilisation
- Phases and sequence of Work
- Details of any long lead items
- Resource and equipment allocation
- Coordinated Works with others
- Completion of work and demobilisation
- Handover and takeover (HOTO)
- Project completion

The Contractor shall submit the Construction Methodology to the superintendent for review 14 days prior to the commencement of Works.

5.8 Construction Program

In addition to the provisions of clause 32 of the General Conditions of Contract, the Contractor shall prepare, implement and maintain a Construction Program and submit its Construction Program to the Superintendent for a direction as to its suitability.

The Construction Program shall:

- be consistent with the program which was submitted with the Contractor's Tender
- show the Contractor's bona fide planned work activities and sequences for bringing the Work Under the Contract to Practical Completion by the Date for Practical Completion, and
- not affect the time for performance by the Principal or the Administrator of any of their obligations or oblige either of them to do anything earlier than is necessary to enable the Contractor to bring the Work Under the Contract to Practical Completion on the Date for Practical Completion.

The Contractor may implement and revise, as necessary and directed by the Superintendent, its Construction Program while carrying out Work Under the Contract.

5.9 Quality Assurance

The Contractor shall carry out all work under this Contract under a Quality System in accordance with the AS/NZS ISO 9000:2016 series of standards. During construction, the Contractor shall ensure that all structures (new, modified and existing) are maintained in a safe and stable condition and that no part is overstressed.

Auditing

The Superintendent may continue to carry out quality surveillance and audits to ensure that the Contractor is conforming to the requirements of the Contract. These will involve system element audits, product and service audits, and process and technical procedure audits.

The audits to be undertaken by the Superintendent will be in addition to the Contractor's audits and will not relieve the Contractor of responsibilities under the Contract. The Superintendent will carry out audits at times to be determined by the Superintendent. The Contractor will be given at least 24 hours' notice that a quality audit is to be carried out.

Quality Plan

The Contractor shall prepare a Quality Plan which shall be submitted to the Superintendent for approval prior to commencing construction of the works.

The Quality Plan shall include or nominate each of the following:

- (a) the Contract organisation chart, including the nominated personnel and internal organisation which has been modified from the organisation chart in the Contractor's Quality Manual;

- (b) the 'Contractor's Quality Representative' (CQR), and include this person's technical experience and qualifications, whether or not they will be full time on the Site and their present position;
- (c) the personnel who will be conducting each type of compliance inspection of completed works, their experience, qualification and responsibilities;
- (d) the personnel, and their titles, who are involved in reviewing the Contract Documents before formal execution;
- (e) the person responsible for the on-site authorisation of documents for distribution and use;
- (f) the person authorised to change the construction activities on site; and
- (g) appropriate Inspection and Test Plan(s) (ITP's).

Conformance and Non-Conformance

All non-conforming works detected by the Contractor's Quality System shall be promptly reported to the Superintendent via a Non-conformance Report. Non-conformance Reports shall be submitted with all records, which indicate a departure from the requirements of the Contract Documents.

The Contractor shall also immediately submit a Non-conformance Report if the Superintendent advises the Contractor in writing, of non-compliance with a process or a specification requirement.

Each such notification by the Contractor shall include details of the action proposed for correction of the Non-conformance or the arrangements made for its disposition and the amendments to its Quality System to mitigate recurrence of the Non-conformance. The corrective action shall include one of the following:

- (a) propose additional works to bring the lot up to the specified standard; or
- (b) replace all and/or part of the lot to bring it up to the specified standard; or
- (c) request utilisation of a lot for a reduced level of service if such a clause exists in the relevant Specification section.

The Contractor shall not proceed to cover up or otherwise incorporate the Non-conforming work or materials before the Superintendent has approved of the proposed action in writing. In the cases of (a) and (b), after approval by the Superintendent of the corrective action, reworked/replaced lots shall be verified in the specified way.

Quality Records

The Contractor shall maintain a copy of all quality records on site at all times, which shall be always available for inspection by the Superintendent. Within three weeks after Practical Completion, the Contractor shall compile and submit to the Superintendent one copy of the quality records for the Contract, together with such analysis of such records as the Superintendent may deem necessary to demonstrate that the works have been constructed in accordance with the Contract and the approved Quality Plan.

Quality System Requirements

The Contract's quality assurance requirements shall not affect the Contractor's other obligations under the Contract. Compliance by the Contractor with the Contract's quality assurance requirements shall not relieve the Contractor from compliance with any of the other requirements of the Contract.

Notwithstanding any knowledge of, or involvement in, the Contractor's quality assurance program or the provision of any apparent approval resulting therefrom, the Superintendent will not be:

- (a) responsible for ensuring conformity of the work with the Contract; or
- (b) liable to the Contractor for, or in connection with, the Contract's quality assurance requirements, or any consequences thereof.

The Contractor is to provide in either their Construction Management Plan or their Quality Management Plan a section outlining the Contractor's quality assurance responsibilities and Inspection and Test Plan (ITP) procedures detailing all the necessary Witness and Hold Points, and the process for attendance, verification and approval.

Witness and Hold Points are to be referenced from the drawings, specifications and/or the relevant Australian Standard, whichever requirement is greater.

The Contractor must detail the notification method and outline the minimum notification period for Witness and Hold Points. The Contractor is to give the superintendent a minimum of 10 days' notice for any Witness

or Hold Points. In the event of any ambiguity of the notice period between this document, design drawings or technical specification the longer notice period will apply.

Inspection and Testing Requirements

Hold Points in the construction process are a status of completion of the works beyond which the Contractor is not permitted to proceed without the express direction of the Superintendent as to the acceptance of the works being presented. Hold Points are subject to a notification period for the Superintendent to be notified of an impending Hold Point.

Nominated Witness Points in the construction process are a nominated status of completion of the works beyond which the Contractor is permitted to proceed, but which is nominated as being subject to a random witness inspection by the Superintendent. Nominated witness points are subject to a notification period for the Superintendent to be notified of an impending nominated Witness Point.

General witness inspections in the construction process are random audit type inspections of the works by the Superintendent.

The Superintendent requires a minimum of 48-hours' notice (unless a lesser period is directed by the Superintendent) to be provided prior to reaching a status of completed works for each Hold Point or nominated Witness Point.

All Hold and Witness Points shall be as per the requirements of FNQROC CP1 Appendix C.

All testing requirements shall be as per the requirements of the FNQROC CP1 Appendix C.

Standards and Codes

Where Australian or other standard specifications or codes are specified, the specification or codes shall be the current issue of the code at the time of tendering, unless otherwise indicated.

5.10 Environmental Management

The Contractor shall prepare and submit to the Superintendent for review, an Environmental Management Plan (EMP). The EMP shall address but not be limited to the following:

- Dust management
- Storage and handling of fuel and other hazardous goods
- Waste management
- Fuel spill management
- Procedures for modification and rectification of any non-compliances with EMP
- Water quality and surface water runoff
- Erosion and sediment control
- Monitoring and review of EMP
- Notification & reporting of environmental incidents/accidents

It is expected that the EMP will be brief, but project and site specific.

The Contractor shall notify the Superintendent and Principal in writing of any environmental incidents or accidents on the day they occur and shall provide a written report within 3 working days outlining causes, rectification measures undertaken / to be undertaken by the Contractor, and control measures to prevent recurrence.

The Superintendent may at any time undertake environmental audits of the Contractor.

The Superintendent may at any time request amendment of the EMP. The Contractor shall forthwith amend the EMP in accordance with the Superintendent's request or provide written justification as to why the EMP should not be amended.

Cleaning and Handling

The Contractor must make allowance for the following in relation to cleaning and handling for the duration of the Works:

- Provide environmental containment to all work areas to prevent escape of waste materials, debris and spills in accordance with the Aurukun Shire Council's requirements for the site and to the satisfaction of the Superintendent

- Allow for all materials handling, including all vertical and horizontal handling and transport as required
- Aurukun Shire Council or the Superintendent does not accept responsibility for theft, loss or damage to the Contractor's tools, plant equipment or the like. The Contractor has a responsibility to safe-guard all unfixed materials and tools on-site.

5.11 Safety

Further to clauses 11 and 12 of the *General Conditions of Contract*, the Contractor shall be responsible for compliance with all provisions of the Work Health and Safety Act 2011 and Regulations and with the Contractor's own Safety Plan.

The provisions of this clause shall apply to and be binding upon any Subcontractor employed by the Contractor for any part of the Works on the Site and the persons employed by such Subcontractors and the Contractor shall ensure that proper and adequate provisions to this end are included in each Subcontract.

The Contractor shall:

- Prepare a 'workplace health and safety plan' ('Safety Plan') as required by the Work Health and Safety Act and defined under the accompanying regulations.
- Submit the Safety Plan to the Superintendent with an accompanying letter certifying that the Safety Plan meets the requirements of the above bullet point and that the Contractor understands and accepts its obligations.

The Superintendent will review the Safety Plan and may request amendment of the Safety Plan.

Notwithstanding any request for amendment, or notification that the Superintendent is of the opinion that the Safety Plan conforms with the requirements of the Contract, the Contractor shall remain solely responsible for ensuring that its Safety Plan complies with the requirements of the Work Health and Safety Act and regulations and the other provisions of this Contract.

The Superintendent may at any time during the Contract audit the Contractor's Safety Plan and request amendment of the Safety Plan. The Contractor shall forthwith amend the Safety Plan in accordance with the Superintendent's request or provide written justification as to why the Safety Plan should not be amended.

The Contractor shall carry out an audit of the Safety Plan at least monthly to review compliance and effectiveness of the measures in the plan. The Contractor shall provide the Superintendent with evidence of audit completion with progress claims. The Principal may withhold payment of progress claims if evidence of audit completion is not provided.

The Contractor shall observe all statutory requirements relating to storage, transport, use of materials, explosives, fire precautions in arc or flame cutting, flame heating and arc or gas welding operations, plant and equipment, work processes and safety precautions.

The Contractor shall within 24 hours of a Work Health & Safety Incident notify the Superintendent of same in writing. The safety plan must address the secure storage of sniffable products such as leaded fuel, glues, paints and thinners.

First Aid and Medical Facilities

The Contractor shall in all respects be fully responsible for the provision of first aid services to its staff and workforce, including the transport of injured personnel to hospital or other appropriate accommodation as and when required.

The Contractor is to refer to the Queensland Health website for information in regards to recommended workplace vaccinations.

5.12 Traffic Management Plan

The Contractor shall be required to develop a Traffic Management Plan (TMP) as part of the Site Management Plan for review by the Superintendent. Consideration shall be given to aspects relating to traffic movement around the Site, including but not limited to:

- All deliveries and construction activities will not impede access and/or do not compromise the day-to-day of Aurukun residents and Aurukun Shire Council;
- Availability of lay-down area for the set-up of the Contractor's temporary works;
- Potential conflict with the existing traffic and Aurukun Shire Council accessing within and through the

Site.

Transportation and Delivery

The Contractor is responsible for the transportation, delivery, unloading, protection and installation of all items for the completion of the works including any individual elements thereof to the Site, including the protection of all existing facilities and services during the performance of the Works.

5.13 Work Operations

The following Work Operations are common to all Work Items and are deemed to be included in the Work Items shown in the Schedule of Prices:

- establishment and disestablishment including cleaning up and making good, except to the extent that establishment and disestablishment are the subject of a separate specific Work Item in the Schedule of Rates
- provision of all site facilities, except to the extent that the provision of any site facilities is the subject of a separate specific Work Item in the Schedule of Rates
- provision of all labour, plant and equipment
- supply, delivery, handling and storage of all materials except for materials supplied by the Principal and except to the extent that supply, delivery, handling and storage of any materials is the subject of a separate specific Work Item in the Schedule of Rates
- provision of all supervisory and support staff
- all costs associated with the operation of the Contractor's Workplace Health and Safety obligations, Quality System, environmental management obligations, traffic management obligations, community liaison obligations, Public Utility Plant obligations, works programming, road maintenance obligations and all other supervisory and coordination functions, except to the extent that such obligations and functions are the subject of separate specific Work Items in the Schedule of Rates
- all costs incurred by the Contractor in complying with Commonwealth and State legislation and Local Government By-laws
- all testing, except to the extent that testing is the subject of a separate specific Work Item in the Schedule of Rates
- all costs associated with the work with respect to security, interest, fees, charges, taxes, royalties, insurance and compensation
- all costs associated with the provision of workshop drawings, bar bending schedules and materials lists
- any design for work required to be designed by the Contractor, except to the extent that such design is the subject of a separate specific Work Item in the Schedule of Rates
- all overheads and profit, and
- all other expenses associated with the work not specifically listed above

5.14 Working Hours

Nominal hours of work shall be 6am to 6pm, 6 days a week with no works to be undertaken on Sundays (or otherwise as approved by Council). Work outside these hours may be allowed by the Superintendent, with conditions. The Contractor shall formally request approval for any proposed changes, with sufficient detail to enable the request to be assessed.

Work shall be suspended during local cultural events, including but not limited to funerals. Details of such events may be obtained by liaison with Council. Suspension for cultural events shall give rise to entitlement to an extension of time, but not costs.

The Contractor shall give at least 48 hours' notice of any proposed reductions to the agreed working hours and working days, other than for cancellations due to weather, plant breakdown or local cultural events.

5.15 Meetings

Prior to the commencement of the Works the Contractor shall attend a Pre-start Meeting, arranged by the Superintendent, with the Principal and other relevant stakeholders. The objective of the meeting is to discuss and/or confirm site management issues and details of the Contract Administration procedures.

The Superintendent shall hold, facilitate and chair regular Site Meetings throughout the term of the Contract. These meetings are anticipated to be held monthly, but may be more or less frequent. The Contractor shall attend these meetings which may also be attended by the Superintendent's technical personnel and/or Principal as required.

The purpose of such meetings is to discuss progress of the Works, matters pertaining to cost and any other items relevant to the orderly progress of the Works. The Superintendent shall record minutes of Site Meetings and within three working days after each Site Meeting, submit to each party written copies of the minutes for their action.

At Practical Completion the Superintendent shall hold a Site Meeting with the relevant stakeholders. The Contractor's Representative shall attend this meeting.

The Superintendent may elect to conduct a Final Completion Meeting at the end of the Defects Liability Period, on site, to be attended by the relevant stakeholders including the Contractor's Representative.

5.16 Monthly Report

The Contractor is to submit a Monthly Report detailing the status of work, Indigenous Employment and Training (names, qualifications, tasks undertaken, hours, benchmark against IEP requirements, etc.), performance against program, forecasts and any other issues which the Contractor believes may affect the completion of the project.

Submission of the monthly report shall be in the format of a template to be provided by the Superintendent. The submission of the Monthly Report will be a prerequisite for the processing of a Payment Claim.

5.17 Schedule of Prices for Tendering

The purposes of the SOPT are limited to tender evaluation, variation valuation, determination of progress payments and adjustment of provisional quantities and sums. For the purposes of assessing variations, prices shown in the SOPT are deemed to be inclusive of all overheads incurred in the course of carrying out the variation work, including but not limited to site office costs, estimating costs, administration personnel and Contractor's profit.

Unless stated otherwise, quantities which are shown on the Drawings or in the SOPT have been (and will be, in the case of provisional quantities) measured net from the theoretical shapes and dimensions shown, specified, directed or approved (as applicable), with no allowance for the actual work varying within tolerances and no allowance for laps, joints, cutting, waste, over excavation, compaction, bulking, or settlement or displacement of underlying material due to filling.

Provisional quantities and sums specified herein for various items shall be included in the Contract Sum and shall be expended as may be ordered by the Superintendent. The rate applied to provisional quantities shall be the rate tendered in the SOPT, regardless of actual quantity. Should the amount expended or the quantities used be more or less than the provisional sums or quantities stated, adjustment will be made in the final accounts by extras or deductions as the case may be. Items identified as provisional are not guaranteed to be expended. Provisional quantities and sums are set out in the SOPT.

5.18 Materials and Equipment Specified by Name

All materials and equipment used in the works shall be the best of their respective kinds and in accordance with the current specifications of the Standards Association of Australia for those particular classes of material, where such specifications are applicable and do not conflict with this specification. If there is no Australian Standard Specification then the relevant British Standard Specification or others approved by the joint committee, if any, shall apply.

The Superintendent may require samples of any or all of the materials nominated to be submitted for his/her review prior to their use on the job. Whether the Superintendent has called for samples or not, all materials used in the work shall be subject to the Superintendent's review.

Material or equipment specified by patent, proprietary or trade name, or by the name of the manufacturer shall be considered as used only for the purpose of describing the material or equipment desired subject to

approval in accordance with this clause. Such names shall be considered as if followed by the words 'or approved equal' whether or not such words appear.

The Contractor may propose material or equipment with equal or better-quality performance in substitution for those specified. No proposals for substitution will be acknowledged or considered by the Principal if received directly from suppliers, distributors, manufacturers or Subcontractors.

The Contractor shall not, under any circumstances, assume that alternative materials and items are acceptable to the Principal. Alternatives will only be considered if:

- Documented evidence is produced to indicate that, despite correct ordering procedures, the item or material is not reasonably obtainable;
- The material or item has been discontinued or superseded; or
- A substantial saving in cost to the Principal can be affected without reduction of quality, aesthetic value or performance.

The Contractor shall make such submission in writing to the Superintendent for its consideration at least 28 days in advance of the time at which the Contractor wishes to order the material or equipment for use in the work. The Contractor shall include with its submission sufficient data which, together with any other data the Superintendent may require, will enable the Superintendent to assess the acceptability of the material or equipment.

It shall be solely the Contractor's responsibility to prove that any alternative item tendered is equal or superior to the item as specified. Where the substitute equipment or material necessitates changes to or coordination with any other portion of the Works, the data submitted shall include drawings and details showing all such changes and the Contractor shall perform these changes as part of any acceptance of substitute material or equipment at no extra cost to the Principal.

The use of any material or equipment so proposed will be permitted only after written approval by the Superintendent. Such approval will not relieve the Contractor from full responsibility for the efficiency, sufficiency, quality, reliability, cost and availability of spare parts and performance of the substitute material or equipment in the same manner and degree as the material and equipment specified by name.

Where a material or item is described in detail in one section of the Specification and referred to in another, the detailed description shall be deemed to apply in every case.

5.19 Approved Subcontractors

When submitting their Tenders, Tenderers shall include a list of all Subcontractors to whom they intend subcontracting different sections of work.

Such Subcontractors must be capable of completing the whole of the work let to them by the Contractor and must not subcontract any portion of this work without the approval of the Superintendent.

Should the Contractor wish to change any Subcontractor shown on the list submitted with its Tender after being awarded the Contract, such modifications must be approved by the Superintendent prior to subcontracting any section of the work.

If and when required by the Superintendent for the purpose of such approval, the Contractor shall produce evidence as to the competence and financial ability of any Subcontractor to carry out the work and that the Subcontractor documents are in accordance with the requirements of this Contract. The Contractor shall provide all Subcontractors with all facilities, accommodation, the use of ordinary plant, and sanitary facilities and shall supply electric lighting, power and water for the proper execution of all Subcontractors' work.

5.20 Publicity

The Contractor shall not furnish any information or issue any document or other written or printed material concerning the work under the Contract for publication in any of the media without the prior written approval of the Principal. Such approval shall be arranged through the Superintendent.

5.21 Contractor's Site Establishment, Plant and Equipment

All plant, equipment and materials shall be located within the extent of Works as described on the Drawings, or in other areas that are approved by the Superintendent. Relocation of plant, equipment and materials during execution of the Works shall be the Contractor's responsibility and at the Contractor's expense.

Provided that the Contractor is fulfilling all its obligations under the Contract and establishment has been completed, the Contractor shall be paid in the first Payment Certificate 25% of the lump sum amount for the item. Thereafter each Payment Certificate shall include a percentage of the lump sum amount for the item until a total of 90% of the lump sum amount has been paid.

The balance of the lump sum amount of 10% for the item will be paid in the Payment Certificate following the date of Practical Completion provided that the Contractor fulfils all its obligations under the Contract for Disestablishment.

5.22 Site Maintenance, Clean Up and Restoration

After giving Possession of Site to the Contractor, the Site will be presented to the Contractor in the following condition:

- The works areas will be made available to the Contractor in their entirety or partial handover.

The Contractor shall allow for the Site to remain operational throughout the Works. The Contractor's activities shall not impinge upon operations at the Site except where agreed in writing by the Superintendent or where the Contractor has fully excised, delineated and has control over the works area and agreed in writing by the Superintendent.

The Contractor shall keep the site of the works clean and tidy at all times and pay continuous attention to the removal of litter, waste materials, garbage and refuse including food scraps and the like.

Under no circumstances will the Contractor dispose of any material or goods, construction debris, rubbish or like material on or about the sites. All such materials shall be removed from the site regularly and disposed of by the Contractor at its own expense.

Prior to the issue of the Certificate of Practical Completion, the Contractor shall remove from the site and all areas used by it for the purpose of the Contract, all temporary Works, plant, buildings, rubbish, unused materials, construction facilities and other material and equipment belonging to it and its Subcontractors or used under its direction, and leave the Site and such other areas clean and tidy to the satisfaction of the Superintendent.

All temporary facilities must be removed from site.

5.23 Code of Conduct

It is mandatory that the Contractor and all its Subcontractors, suppliers and agents abide by the Code of Conduct included in Appendix B as outlined below.

The Contractor shall inform all site personnel including Subcontractors site personnel of the requirements of the Code of Conduct prior to that person commencing work on site. To ensure awareness and commitment to the Code of Conduct all personnel shall review and sign the Code of Conduct prior to commencing work.

Agreeing to comply with the Code of Conduct by signing the Code of Conduct shall be a mandatory requirement for engagement on the project site.

The signed Code of Conduct forms shall be filed with other on-site QA documentation and shall be available for inspection for the Superintendent at any time.

5.24 Access for Visitors

The Principal may, after consultation with the Contractor and subject to any arrangements made between the Principal and the Contractor in that regard, take any visitor on the Site.

5.25 Alcohol Management

The Contractor shall be familiar with the requirements of the Alcohol Management Plan in force in the community and shall communicate the requirements and ensure compliance with the Plan by all Contractor's and Subcontractor's personnel.

The restricted area is the Aurukun Shire, except for the section of the Peninsula Development Road that passes through the shire and includes all public and private places. It also includes all waterways where both banks are within the shire.

No alcohol is allowed in the Aurukun Shire area, including home-brewed alcohol and home-brew equipment.

Vehicles found carrying alcohol in the restricted area may be confiscated.

5.26 Contractor's Site Facilities

The Contractor shall use the existing accommodation provided by Aurukun Shire Council for the duration of the Contract works. The Contractor is to contact Aurukun Shire Council for availability and pricing.

On completion of the Works, all areas disturbed by the Contractor's construction activities (such as areas for compounds, material storage and access) shall be restored to their original condition.

Unless stated otherwise, all costs associated with complying with this specification shall be deemed to be included under the Schedule of Prices for Tendering - Contractor's Site Facilities.

5.27 Dilapidation Survey

The Contractor must make detailed records of conditions of the Site and surrounding areas, making particular records of existing structural defects and other damage or defacement.

Following Completion of the Works, the Site and surrounds must be re-inspected in the presence of the Aurukun Shire Council and Superintendent. The condition of any damage or defacement is to be compared with the original dilapidation survey report to determine any damage caused during the execution of the Works by the Contractor.

Such damages caused during the execution of the Works by the Contractor shall be made good by the Contractor to the satisfaction of the Superintendent at the Contractor's expense. If a dilapidation survey is not completed the Contractor may be held liable for all damage to the site and surrounds and shall make good the damage to the satisfaction of the superintendent.

5.28 Contractor's Site Supervisor / Foreman

The Contractor's Site Supervisor / Foreman shall be the same person listed in the Contractor's Tender, unless otherwise approved by the Superintendent. Replacement personnel for this position must be approved by the Superintendent (generally on the basis of their relevant experience and referees from previous projects) prior to arrival on site.

5.29 Work on Site by Others

In addition to the provisions of clause 24.2 of the General Conditions of Contract, the Contractor shall permit Telstra, Ergon, Council and any other like authority or owner of a service to have access to the site and to execute work on the site and shall cooperate with such authorities and shall coordinate its own work with that being carried out by such authority or owner, notwithstanding that such authorities or owners may not have been engaged by the Principal.

The Principal's undertaking to ensure that the Contractor is not impeded in the work under the Contract at the site shall apply only where the Principal has engaged an authority or owner of a service to carry out work on the site. The Superintendent shall notify the Contractor of any such engagement.

5.30 Goods and Services Tax (GST)

Definitions

Words in this Contract have the same meaning as in the GST Law unless the context makes it clear that a different meaning is intended.

Interpretation

If a party is a member of a GST group, references to GST which the party must pay and to input tax credits to which the party is entitled include GST which the representative member of the GST group must pay and input tax credits to which the representative member is entitled.

GST Exclusive Amounts

Unless otherwise indicated, all amounts in connection with this Contract are stated exclusive of GST. GST shall be added to the total in each Payment Certificate.

Payment of GST

- A recipient of a taxable supply under or in connection with this Contract shall pay to the supplier, in addition to the consideration for the taxable supply, an amount equal to any GST paid or payable by the supplier in respect of the taxable supply.
- The recipient must make that payment to the supplier as and when the consideration or part of it is provided, except that the recipient need not pay unless the recipient has received a tax invoice (or an adjustment note) for that taxable supply;
- If the Contractor has not given the Principal a tax invoice in respect of a payment certificate, the Principal may make the payment to the Australian Taxation Office, and that shall discharge the debt.

Reimbursements

Where a supplier incurs a cost or expense for which it may be reimbursed by, indemnified against, claim against or set-off against another party under this Contract, the amount to be paid or credited is the cost or expense (reduced by the input tax credit that the supplier is entitled to claim in respect of that cost or expense) plus the amount in respect of GST payable by the recipient under clause 5.31.4 of this document.

Indemnities and Claims

- If a payment under an indemnity gives rise to a liability to pay GST, the payer must pay, and indemnify the payee against, the amount of that GST.
- A party may recover payment under an indemnity before it makes the payment in respect of which the indemnity is given.
- If a party has a claim under or in connection with this Contract whose amount depends on actual or estimated revenue or which is for a loss of revenue, revenue must be calculated without including any amount received or receivable as reimbursement for GST (whether that amount is separate or included as part of a larger amount).

5.31 National Code of Practice for the Construction Industry

The Contractor shall comply in the performance of this Contract with the requirements of the National Code of Practice for the Construction Industry (the code) and the industry guidelines for the industrial relations and the occupational health and safety components of the National Code of Practice for the Construction Industry (the industry guidelines).

Compliance with the code or the industry guidelines shall not relieve the Contractor from responsibly to perform the Contract, or from liability for any defect in the works arising from compliance with the code or the industry guidelines.

Where a change to the Contract is proposed and that change would affect compliance with the code or industry guidelines the Contractor shall submit a report to the Superintendent specifying the extent to which the Contractor's compliance with the code or industry guidelines will be affected.

The Contractor shall maintain adequate records of compliance with the code and the industry guidelines by itself and its Subcontractors. The Contractor shall permit the Superintendent or any person authorised by the Superintendent to have access to these records and to its premises to the same extent as required from the Contractor by this clause.

If the Contractor does not comply with the requirements of the code or the industry guidelines in the performance of the Contract such that a sanction is applied by the Commonwealth, the Commonwealth, without prejudice to any rights that would otherwise accrue, shall be entitled to record that non-compliance and take it into account in the evaluation of any future tenders that may be lodged by the Contractor or a related corporation in respect of work for any part of the Commonwealth or its agencies.

5.32 Compliance Assessment Testing

Testing to demonstrate compliance of the materials and work provided under the Contract shall be conducted by the Contractor. Tests to be made are those listed in in the Contract and Specification documents.

Unless specified or directed otherwise in writing by the Superintendent, the Contractor shall employ a NATA registered laboratory to carry out the tests. The Contractor shall furnish the laboratory’s original reports of the results of the tests to the Superintendent.

5.33 As-Constructed Documentation

As constructed documentation shall be provided by the contractor for works associated with sewer pump station 3 only.

The Superintendent shall provide the Contractor with a digital copy of the contract drawings in AutoCAD 2012 format for use in producing the “as-constructed” drawings. The Contractor shall supply one hard copy of each plan (A3 size) and a digital copy in AutoCAD format.

The “as-constructed” drawings shall be certified by the Contractor as to the accuracy of the “as constructed” information. If no changes from a particular contract drawing have occurred, the Contractor shall reissue that drawing labelled “as-constructed” and include a note stating “All works on this drawing were constructed in accordance with the contract drawing”.

Submission of certified “as-constructed” drawings of a standard acceptable to the Superintendent shall be made at least one week prior to practical completion. The Contractor shall be entitled to claim 50% of the scheduled lump sums for As Constructed Drawings after this submission. The Superintendent will review the drawings and advise the Contractor of any corrections or improvements required. The Superintendent will specify a reasonable time by which resubmission of the amended drawings is required.

As a minimum, the “as-constructed” drawings shall consist of the full “for construction” set updated to show “as-constructed” details. The drawings shall meet the requirements set out in clauses 24 and 25 of FNQROC CP1 Construction Procedures.

5.34 Separable Portions

The interpretations of:

- Date for Practical Completion
- Date of Practical Completion
- Practical Completion,

shall apply separately to each Separable Portion and references therein to the Works and to Work Under the Contract shall mean so much of the Works and the Work Under the Contract as is comprised in the relevant Separable Portion.

Separable Portion Number	1	2	3
Description of Separable Portion	Sewer Pump Station 3 Upgrades	Wastewater Treatment Lagoons Works	Wastewater Treatment Leachate Pond
Date for Practical Completion	6 weeks from the date of Possession of Site	6 weeks from the date of Possession of Site	6 weeks from the date of Possession of Site
Liquidated Damages per Day	\$400	\$400	\$400
Defects Liability Period	12 months	12 months	12 months

If the Contract does not make provision for the amount of security, Retention Moneys, liquidated damages or bonus applicable to a Separable Portion, the respective amounts applicable shall be such proportion of the security, Retention Moneys, liquidated damages or bonus applicable to the whole of the Work Under the

Contract as the value of the Separable Portion bears to the value of the whole of the Work Under the Contract.

5.35 Native Title and Cultural Heritage Compliance

Where items of potential cultural heritage significance are discovered, the Contractor shall immediately stop work and notify the Superintendent. All requirements under the Aboriginal Cultural Heritage Act must be adhered to in the case of a cultural heritage discovery.

The costs of additional cultural heritage arrangements which are required to be implemented as a result of encountering an item of cultural heritage after construction commences are regarded as a latent condition.

6 Project Specific Conditions

6.1 Sewer Pump Station Upgrades

Contractor Supplied Equipment

All equipment shall be rated for its anticipated use and environmental conditions including but not limited to:

- All equipment shall conform to the relevant Australian standards and shall be safe to operate.
- The design shall follow a documented safe design process.
- The design shall consider maintainability and operability.
- The design shall consider reliability cognisant of the tropical environment.
- Outdoor electrical equipment shall be IP55 minimum unless stated otherwise or provided with suitable sun/rain covers and insect proof ventilation
- All equipment shall be rated to operate reliably over its intended design life in the local ambient temperatures (0°C to 48°C minimum range) cognisant of solar radiation that will increase internal equipment temperatures. All electrical equipment shall be installed under sun/rain covers
- The design shall consider the harshest conditions encountered in the area including cyclones.
- The design shall consider the potential for vandalism.
- The design shall provide operator friendly control and monitoring.

Fencing and Gate

Replacement security fencing and gating to the perimeter of Sewer Pump Station 3 shall be constructed in accordance with the details shown on FNQROC Standard Drawing Number S1027A to match existing. New fencing and gate to comprise of 1.8m high chain wire fence with 3-strands barbed wire over.

It is noted that clearing along the fence alignment works shall be minimised where possible and extend a maximum of 1.5m either side of the fence (or to the width of the machinery used).

All components are to be of robust construction, require no regular maintenance and be resistant to corrosion.

Flow Meter

The existing Flow Meter in SPS1, SPS2 & SPS3 shown on project drawing 503517-SPS3-DRG-CC-2009 shall be replaced with a new model. The new Flow Meter shall have a local display mounted inside the existing Control panel/switchboard

The new Flow Meter shall conform to the following technical requirements but not limited to:

- Full bore measurement tube
 - Model to be ABB Water-Master or an equivalent, approved by the client
 - Factory calibrated and supplied with calibration certificate
- The flow meter shall accurately indicate and record the outflow of sewage from the pump station. The flow meter shall display flow rate locally and at the remote user SCADA terminals. The new Flow Meter shall include a pulsed totalizer output to enable recording, logging and trending of sewage flow.

Macerator

General Requirements

The Contractor shall supply and install the macerator assembly in accordance with the macerator manufacturers installation details and FNQROC S7.

Refer to Drawing No. 503517-SPS3-DRG-CC-1006 for schematic plan of macerator assembly.

The nominated macerator to be installed in Manhole MH 1/1 shall be VOGELSAND XRC136-280QD+SIK. Adhere to product specification for handling requirements.

The requirement of the nominated macerator are:

- Shred all potential obstructions blocking general pumping operations downstream
- Ensure it has the capacity to operate with PWWF conditions. Refer to Drawing No. 503517-SPS3-DRG-CC-1006 for flow rate requirements.

The macerator assembly shall include but not be limited to; macerator, frame connection to inlet pipe, guide rails, lifting chains, lifting frame and control panel.

The Contractor shall confirm all dimensions on site prior to supply and installation of macerator assembly. It is the responsibility of the Contractor to verify all dimensions provided on Drawing No. 503517-SPS3-DRG-CC-1006 & 1007 prior to installation of macerator. The layout of these drawings have been based on preliminary data provided for the VOGELSAND XRC136-280QD+SIK. The Contractor must obtain from the Supplier the final Vendor data prior to construction. Final dimensional data must be used to ensure cover opening allows adequate lifting clearance zone for macerator installation/removal and to align the lifting frame directly over the macerator lifting lug.

The Contractor shall demolish existing manhole cover and to be replaced with a new rectangular cover constructed in accordance with FNQROC Standard Drawing S3000.

The Contractor shall ensure macerator installation does not damage the existing infrastructure. Any damage to existing infrastructure resulting from the macerator installation shall be repaired and associated costs worn by the contractor.

The proposed installation method to undertake works is to plug MH1/2 outlet and bypass incoming sewage to MH 1/R. Contractor to confirm final bypass arrangement with Aurukun Shire Council and Superintendent prior to commencement of works.

Functional Requirements

The equipment shall be set to local or remote operation from the equipment location. Whist set to local operating mode; remote operation shall be inhibited.

All equipment shall be equipped with easy to understand operating labels (in English)

The new macerator shall include the following functions but not limited to:

- Local starting & stopping
- Local & Remote operating modes
- Automatic operation mode
- Local display showing all running and maintenance status and alarms
- Volt free alarm contacts and inputs for all critical alarms and remote operation for SCADA integration

Technical Requirements

The macerator shall be supplied with proprietary control panel. The Macerator shall conform to the following technical requirements but not limited to:

- 400v AC 3 phase operation
- SCADA interface with Volt free contacts
- SCADA interface for remote operation
- 3kW 3 phase motor
- Motor protection
- IP65 stainless steel Control panel

Macerator Lifting Frame

The existing lifting frame positioned over the pump station is to be repositioned over the Manhole 1/1 to facilitate maintenance of the macerator. Monorail must be positioned directly above the lifting lug of the macerator unit. This final location must be confirmed with final Vendor data. The existing frame, connection and lifting components are to be reconditioned to ensure ongoing service life.

Visible rust is to be ground back to bare metal and an appropriate corrosion protection touch up paint applied.

New foundations are to be constructed at Manhole 1/1 as noted on the design drawings to accommodate the repositioned lifting frame.

Switchboards

- Provide RCD's as required to the switchboard. Minimum RCD size 16A or as noted.
- Label all items of equipment on distribution board using approved labels to indicate the function of the equipment or the circuit it is controlling. In addition, number all control circuit breakers and label neutral

and earth bar terminals to correspond.

- Labelling to be consistent with the labelling scheme currently used on the site
- Provide a type written circuit schedule and mount behind Perspex at the switchboard position.
- Switchboards shall be IP55 minimum and constructed from 316 grade stainless steel or marine grade aluminium.

Generator

A new emergency Genset and Automatic Transfer Switch (ATS) shall be provided, delivered, installed and commissioned at Aurukun SPS3.

Functional Requirements

The Genset shall include the following functions but not limited to:

- Local starting & stopping
- Local & Remote operating modes
- Local multifunction display showing all running and maintenance status and alarms
- Auto start function on loss of mains
- Auto transfer switching of Genset power to all equipment on loss of mains power
- Starting battery and charger
- Integral double skinned fuel tank
- Capable of starting and running all SPS3 equipment
- Volt free alarm contacts and inputs for all critical alarms and remote operation for SCADA integration

Technical Requirements

The Genset shall include but may not be limited to:

- Automatic start facilities. The Gensets shall be supplied with all batteries, chargers and control gear to provide a fully operational, auto/remote start standby power source ready to connect.
- Supplied with integral skid mounted double skinned fuel tank housed in a weatherproof acoustically attenuated enclosure.
- Based on a 44kVA Cummins C44 D5LC-1 series or equivalent (to be approved by the client)
- Local control and monitoring.
- Integrated multifunction display and local controls.
- Facilities to allow advanced remote monitoring by SCADA.
- Suitable for use in the environmental conditions.
- Valve regulated lead acid (VRLA) maintenance free starting batteries.
- Emergency Stop.
- Fuel gauge and low fuel alarm output.
- Factory tested with supporting documentation.
- 2-year warranty.
- Installed & commissioned at Aurukun.

Capacity/Ratings

The Genset shall include but may not be limited to:

- Able to run for 24 hours at full load on a single fuel tank
- 44kVA standby/40kW Prime
- 3 Phase 415/240V AC 50hZ

Standards

- Diesel Engine: AS 4594, Parts 0 to 7 inclusive. (ISO 3046 Parts 0-7 inclusive)
- Alternator: AS 1359.
- Installation: AS 3010
- Engine start batteries: AS 2149.

- Battery chargers: To AS 4044.
- Control and alarm batteries: To AS 3731.1, AS 3731.2, AS 4029.2 or AS 4029.3.
- Winding Thermistors AS 60947.8
- Fuel piping and associated auxiliary equipment: AS 1940
- Electrical: AS/NZS3000

SCADA Interface

The Genset shall be provided with a comprehensive SCADA interface board that shall be wired to the SCADA section of the existing switchboard. The SCADA interface shall include but may not be limited to:

- Low fuel alarm
- Generator running status indicator
- Fail to start alarm
- Low battery alarm
- General group alarm
- Hi temperature alarm
- Low oil alarm

ATS

An Automatic Transfer Switch shall be installed and commissioned to ensure that 3 phase 415v AC power from the diesel Genset can be diverted to the switchboard on loss of mains power. The ATS shall include an interface to start the Genset on loss of mains power. The ATS shall be mounted at 1.2m high under a weatherproof cover to keep rain and sun off the unit.

Pump Station Shelter

Construction of a shelter structure over the existing pump station is to be carried out as specified on the design drawings (Drawing No. 503517-SPS3-DRG-CC-1003 and 1004).

The structure is to include a monorail and lifting mechanism to facilitate pump maintenance.

All steel to be hot dip galvanised.

Genset Shelter

Construction of a shelter structure over the existing pump station to be carried out as specified on the design drawings (Drawing No. 503517-SPS3-DRG-CC-1005).

All steel to be hot dip galvanised.

Debris Chamber - Screening Basket

Screening basket for existing debris basket chamber manhole 1/R shall be inspected for defects and replaced if required.

6.2 Wastewater Treatment Works

Desludging and Drainage

The Contractor is to desludge the primary lagoons. A facility shall be provided adjacent to the primary lagoons to allow discharge from the sludge to re-enter the lagoon treatment process.

Contractor to provide a desludging and drainage methodology in consultation with Aurukun Shire Council and Superintendent prior to commencement of works. The Contractor is to liaise with Aurukun Shire Council to determine the handling and disposal of the solid waste.

Desludging works shall be staggered to ensure sewerage treatment operation is maintained through the construction works. Refer Section 6.3 for details on Environmental considerations.

The Contractor shall ensure desludging services do not damage the lagoon HDPE liner. Any damage to existing infrastructure resulting from the desludging works shall be repaired immediately and associated costs worn by the contractor. Desludging and drainage may also be required for installation of escape ladders.

Baffles

The Contractor shall install six (6) Baffles to Primary Lagoons 1 & 2. Refer to DRG 503517-WWT-CC-0004 for Baffles Arrangement Plan. Baffles to be supplied from a reputable Manufacturer that shall be included in the proposal. The supplier must consider chemical composition of waste water, ultra violet light exposure, temperature range, hydraulic flows and wind forces to ensure minimal maintenance over the expected useful life (20 years).

Dimensions provided on the drawing shall be confirmed by the contractor prior to fabrication, supply and installation of baffles. The contractor shall carry out site investigation and measure-up to confirm all onsite dimensions. Any discrepancy between site measurements and design drawings shall be raised to the Superintendent immediately and prior to fabrication of baffle skirts.

The Baffle assembly shall include but not be limited to; flotation components, skirt, bottom ballast, tension members, connector, anchoring system and any other component required to ensure the baffle system operates appropriately.

The baffle assemblies are to be an open channel section and are to be arranged so as to maximise the length of path and sewerage retention time. The Contractor to reseal and/ or repair HDPE liner as required after baffle anchor point system installation is complete.

These works shall be implemented in conjunction with other associated works at the lagoons:

- Primary lagoons to be fully desludged and drained prior to installation of baffles as noted above.
- If required, contractor to organise and confirm bypass arrangement with Aurukun Shire Council prior to commencement of works.

The Contractor shall ensure baffle installation and associated works do not damage the lagoon HDPE liner. Any damage to existing infrastructure resulting from the baffle installation shall be repaired immediately and associated costs worn by the contractor.

HDPE Lagoon Liner Repair

For Liner Repair works, refer to Drawing No. 503517-WWT-DRG-CC-0005 Lagoon Liner Repair Plan.

The existing lagoon liner material is understood to be HDPE. The Contractor shall supply and install a recommended material to patch the existing damaged HDPE liner. The material shall have a lifecycle of fifty (50) years and contain physical properties suitable to current operational and environmental conditions in Aurukun. Recommended material specification shall be included in the proposal to Aurukun Shire Council and relevant authorities prior supply and installation of patching liner.

Table presented below is an example of HDPE physical properties that shall be included in the proposal. It is the responsibility of the Contractor to provide HDPE liner with physical properties that satisfies the functional requirements above.

Table 2 Example - HDPE Geomembrane Liner Specifications (textured)

Properties	Unit	Test Value*: 2mm	Test Method Standard
Thickness (min. ave)	mm	1.70	ASTM D 5994
Asperity Height (min. ave)	mm	0.4	ASTM D 7466
Density	g/cm ³	0.94	ASTM D 792
Tensile Properties			
• Yield Strength	kN/m	29	ASTM D 6693 (Type IV)
• Break Strength	kN/m	35	
• Yield Elongation	%	13	
• Break Elongation	%	350	
Tear Resistance (min. ave)	N	254	ASTM D 1004
Puncture Resistance	N	587	
Stress Crack Resistance	Hr	600	ASTM D 5397
Carbon Black Content (Range)	%	2.0-3.0	ASTM D 1603
Carbon Black Dispersion	Cat	1-2	ASTM D 5595

(Range)			
Oxidative induction time (OIT)	min	100	ASTM D 3895
Oven Ageing at 85°C	%	55	ASTM D 5721
Standard OIT (90 days) or		80	ASTM D 3895
High Pressure OIT (90 days)			
UV Resistance	%	50	GM11
High Pressure OIT (1600 hours)			ASTM D 5885

Test Value* - 2mm is only to be used as an example, it is the responsibility of the Contractor to provide HDPE liner with physical properties that satisfies the functional requirements under this clause.

The existing liners of the primary and secondary lagoons shall be investigated by the Contractor prior to supply and installation of patching material. Internal liner (submerged liner) shall be investigated after lagoons have been desludged and drained.

Contractor shall submit a restoration plan for the HDPE liner repairs to the Superintendent for review and approval two (2) weeks prior to procuring repair materials. This plan shall include isolation order of lagoons as well as equipment and plant required for the repair works. Repair shall be conducted in conjunction with other works relevant to lagoons. If required, contractor to organise and confirm bypass arrangement with Aurukun Shire Council prior to commencement of works.

Leachate Pond HDPE Liner replacement

The existing Leachate Pond at the Solid Waste Facility liner is understood to be HDPE. The contractor shall supply and install a recommended material to patch the existing damaged HDPE liner of the Leachate Pond. The material shall have a lifecycle of fifty (50) years and be suitable to current operational and environmental conditions in Aurukun. Refer to **Table 2** for example.

The existing liners shall be investigated by Contractor prior to supply and installation of patching material.

Contractor shall submit a restoration plan for the HDPE liner repairs to the Superintendent for review and approval two (2) weeks prior to procuring repair materials. This plan shall include isolation order of leachate pond as well as equipment and plant required for the repair works. Repair shall be conducted in conjunction with other works relevant to leachate pond. If required, contractor to organise and confirm bypass arrangement with Aurukun Shire Council prior to commencement of works.

Lagoon Perimeter Mow Strip

The Contractor to construct a concrete mow strip to the perimeter of the wastewater lagoons to act as a fire break and minimise potential grass fire damage to the lagoon liners. Mow strip to be constructed as specified in the design drawing 503517-WWT-DRG-CC-0006.

Lagoon Escape Ladders/Ropes

The Contractor shall supply and install escape ladders or ropes suitable to the Primary and Secondary Lagoons. Refer to Drawing No. 503517-WWT-DRG-CC-0007 for Escape Ladders / Rope Location Plan. Refer product specification for installation details.

The Contractor shall provide recommendations for both the ladder and rope system.

The escape ladder/rope shall be installed to suit lagoon embankment. The foot of the ladder is to terminate at the invert level of the lagoon / bottom of embankment slope. The top rung of the ladder shall be positioned beyond the ridge of the lagoon embankment slope to allow climber to safely stand without assistance of the ladder.

These works shall be implemented in conjunction with other works relevant to the lagoons.

The ladder is to satisfy the health and safety requirements of *Managing the risk of falls at workplaces, Code of Practice 2018 (PN12365)*.

Additional Site Obligations

The Contractor must:

- fully inform themselves of site conditions and constraints prior to mobilising for the works and must cooperate where necessary with other contractors, local community and Aurukun Shire Council personnel to ensure continuity of work and a safe working environment
- prepare and submit the following documents (as applicable):
 - inspection and testing plans,
 - material datasheets
 - material test records
 - mill certificates
 - personnel qualifications
 - shop detail drawings
 - work method statements
- implement approved protective measures for Aurukun Shire Council assets on site as described in this Scope of Work including but not limited to temporary relocation, storage and subsequent reinstatement of identified assets
- ensure all finished surfaces on the site drain freely and are free from ponding

6.3 Environmental

Water Quality

Discharge water shall be free of visible oil films or other signs of pollution.

Visual water quality monitoring only is required for this project. This should consist of inspecting water exiting the site for any hydrocarbon sheen and/or turbidity. The inspection results shall be recorded in the Supervisor's Diary or the environmental inspection checklist.

The Contractor's EMP shall include response procedures if sediment, hydrocarbons or any other release is observed.

Where visual monitoring reveals an oil sheen, a noted difference in turbidity and/or other colour impacts, the Contractor shall:

- Investigate the cause of the issue
- Develop and implement improved work procedures or mitigation measures to improve water quality
- Include information regarding issue and improved procedures in the Contractor's Monthly Environment Report

Any incident that causes or has potential to cause material or serious environmental harm to the environment shall be reported to the Department of Environment and Science (DES) and landholders, as per the *Environmental Protection Act 1994* requirements.

Environmental Management Plan

The Contractor must operate under an Environmental Management Plan (EMP).

The Contractor shall not commence works on the site until the EMP has been deemed suitable by the Superintendent.

The Contractor shall implement the EMP, ensuring that all environmental protection measures are implemented prior to proceeding with any works under the Contract. The Contractor shall update the EMP as required while carrying out works under the Contract.

Erosion and Sediment Control Plan

Prior to construction commencing the Contractor shall prepare an Erosion and Sediment Control Plan (ESCP) to manage the site during construction and the defect liability period.

The Erosion and Sediment Control Plan shall be prepared by a certified professional in Erosion and Sediment Control, or a person with equivalent qualifications and experience.

Erosion and sediment controls shall be installed near flowing water or pools, where it could be reasonably expected that a release of sediment could occur.

The Superintendent reserves the right to require temporary erosion control measures to be installed at any time during the dry season. The Contractor shall demonstrate that all materials are present on site to implement appropriate erosion and sediment controls. The Contractor shall monitor 4-day weather forecasts from the Bureau of Meteorology for the purpose of advance warning for control works to be installed as required.

The provision of sediment filtering or sediment traps in advance of and in conjunction with earthworks operations, to prevent contaminated water leaving the site.

Maintain all drainage and sediment control works on a day by day basis.

Permanent and temporary erosion and sediment control structures to be inspected at least weekly, and within 24 hours after rainfall. Any defects are to be rectified within 1 day.

ESCP shall include:

- The construction and management of vehicle turnarounds and side tracks.
- How erosion and sediment controls will be implemented at locations of disposal sites for spoil and/or unsuitable excavated materials, and the long-term treatment for stabilisation of the sites.
- How the erosion and sediment controls (including wind and water erosion) will be implemented at topsoil stockpiles.

6.4 Service Relocations, Outages and Incidents

The Contractor is responsible for identifying all existing services prior to any works commencing. The Contractor shall locate and take all necessary precautions when working in the vicinity of utilities and services within the site.

Where it is found necessary to temporarily interrupt, remove, divert or make connection to an existing service for implementation of the Works or other existing work beyond the control of the Contractor, the Contractor must obtain written approval from the Superintendent prior to undertaking Works.

No utility or service shall be moved to accommodate the Contractor's equipment or method of works when the utility or service does not interfere with the Works, unless such removal is at the expense of the Contractor, and in each case subject to the approval of the Superintendent.

The Contractor must not shut down any service without prior notice to the Superintendent. The Contractor must provide a rolling two-week program with planned interruptions and relocations at the site meetings.

Where the Works may affect the continuity of existing services or may cause inconvenience, the Contractor must arrange to carry out the Works at a time to cause the least inconvenience to the operations. The Works must be planned and organised to minimise the duration of any interruption.

The Contractor must notify the Superintendent immediately if they witness any damage occurring to services, cause any damage to services or observe any existing damage to project services or systems such as water, telephone, data, electricity, fire alarm(s), sewerage, or the like. If the damage to a service has been caused by a negligent act on the part of the Contractor, then the Contractor is liable for the cost of repairing the service. The Superintendent may arrange for the repair of damage not made good by the Contractor and the cost of such repair will be deducted from payments due to the Contractor.

6.5 Electrical Components

General

Any design required for the project shall be undertaken and supervised by suitably experienced and qualified personnel. CV's of all personnel shall be provided to the client and approved prior to carrying out the works.

All detailed design shall be certified by a Registered Professional Engineer of Queensland.

Design and Drawings

Detailed design drawings shall be provided and may include but not limited to:

- Main switchboard, distribution boards, meter panels, single line and control diagrams switchboard and control panel layouts and schematics.
- Schedule of electrical loadings.

- Cable type, size and marking details.
- Layout drawings of cable tray, conduits, electrical cables.
- Detail of all interfaces with other services and utilities.
- Services coordination drawings for spatial coordination with building
- Structure and other services with details for restricted locations.
- Protection relay and circuit breaker settings
- Foundations, plinths, chases, ducts, pits and penetrations through structure.
- Layout and details of services cast in concrete.
- Structural support details and methods of fixing to structure.
- Label schedules.
- Additional drawings specified elsewhere.

Drawings shall be checked and signed by a responsible person to verify conformity with the requirements of the contract. Examination of drawings by the superintendent shall in no way diminish the contractor's responsibility for preparing, coordinating and approving shop drawings or ensuring that they are in agreement with the contract drawings and correct as to all relevant information.

Additional drawings specified elsewhere.

Design Reviews

The contractor shall attend a design review with the client and shall present the design documents for comment and approval prior to manufacture and/or installation.

Constructability, Operability & Maintainability

The contractor shall carefully consider Constructability, Operability & Maintainability principles and Safe Design and shall demonstrate the suitability of the design during the design review.

Pre-Installation Requirements

General

Quality Inspections

All equipment shall be inspected for quality and verified using a documented procedure prior to shipping to site. Damaged or faulty equipment shall NOT be shipped to site.

Factory Acceptance Tests

All equipment shall be subjected to a Factory Acceptance Test and shall be supplied with documented evidence showing successful completion of these tests. The tests shall exercise the equipment to its limits over a suitable period to justify its stated specifications. Full test results shall be provided prior to acceptance and shipping to site.

Site Visit

Tenderers for all relevant trade are to become fully informed of the scope of contract work, the existing installation and site conditions by inspection of the site and by all other means considered necessary. Unforeseen difficulties due to neglect of this precaution shall in no way relieve the contractor's responsibility for the full and proper execution of the works. No claim for additional costs arising from neglect of a thorough inspection will be considered.

Installation

General

- The complete installation shall be of first quality workmanship and to the approval of the superintendent.
- All cabling is to be concealed where possible and be supported from the structure. All cabling to run parallel and square to building elements. Where cabling penetrates steel stud walls they shall be provided with insulating cable glands.
- Supply all cables sized to the requirements of AS/NZS 3000 and AS/NZS 3008.1 as a minimum. The minimum sub circuit cabling shall be 2.5 mm²cu for lighting and Power.
- All cables are to be new multi-stranded copper conductors.

- The load shall be balanced across all phases to achieve a load balance of +/-5%.
- Circuit breakers shall be selected from a single manufacturer/range and discrimination with upstream circuit breakers checked. All circuit breaker settings shall be logged and documented in as-built drawings.
- Obtain approval from the superintendent for all core holes and penetrations prior to installation.
- All buried underground cables shall be run in conduit and shall be sealed at both ends.
- All installation work shall be carried out at such times to reduce interruption to principal's operations during normal working hours. Allowance should be made for out of hours work as required to complete the Installation.
- Provide labels indicating point of supply, to all accessories, power outlets, telecommunication outlets and switches. Labels shall be engraved Traffolyte or approved equal fitted to the grid base plate and shall be visible with the faceplate installed.
- All extraneous metalwork inside the SPS3 compound that could become live under any fault scenario is to be bonded to earth as per the requirements of AS/NZS3000
- All cables shall be contained in conduit and firmly fixed to solid permanent structures and out of reach of unauthorised persons.
- All cables shall enter equipment using cable glands at the bottom of the panel to avoid the ingress of water.
- Minimum cable size for instrument and control cable conductors 0.75mm²
- All Plastic conduits to be heavy duty and UV resistant if surface mounted
- All installation to be in accordance with AS/NZS3000
- All equipment to be suitably IP rated
- Supply and install suitable circuit breakers as required, sized in accordance with AS/NZS3000 cognisant of starting currents, fault ratings and discrimination requirements

Demolition/Temporary Works

The contractor shall carry out all temporary works in a safe manner to themselves and those around them. Safety shall always take priority over all other requirements. The contractor shall carry out all temporary works to enable the construction and commissioning of the design intent. Refer to the main project scope of works for details of any user requirements to maintain operational capacity during the works.

- The pump stations shall remain operational at all times other than the periods agreed in the contract or agreed onsite with the client.
- Disconnection and relocation of services shall be coordinated with the site superintendent.
- Disconnect, remove and make safe all redundant electrical services.
- Offer to the superintendent all items not reused. Remove those items not required.
- Where applicable relocate and reuse existing to the approval of the superintendent.
- Final locations shall be determined by the superintendent.
- Relocate and maintain supply to equipment.
- Provide temporary connections and relocations that may be needed to ensure the electrical services are maintained at all times.
- Coordinate demolition/disconnection/relocation of services to ensure minimal disruption occurs.

Coordination

The electrical trade shall fully liaise and coordinate with all other trades, in a timely manner, to ensure proper coordination of and building in of the services.

Materials

Supply materials, fittings, accessories and apparatus new and of first grade design and manufacture complying with the latest Australian standards. Where applicable submit for approval, samples of all fittings, accessories and apparatus intended to be used. Approval is to be obtained prior to placing of orders and installation. Preserve uniformity of accessories and fittings throughout the work. Accessories shall have colour to the superintendent's selection.

Shop drawings

Prepare and submit dimensioned drawings showing details of the fabrication, layout and installation of all plant and equipment, including relationship to building structure and other services. Co-ordinate the technical and spatial aspects of plant, including construction tolerances. Confirm dimensions by site measurement.

Format to be Autocad with standard metric scale and dimensioned scale line for drawing reduction.

Drawings shall be checked and signed by a responsible person to verify conformity with the requirements of the contract. Examination of drawings by the superintendent shall in no way diminish the contractor's responsibility for preparing, coordinating and approving shop drawings or ensuring that they are in agreement with the contract drawings and correct as to all relevant information.

6.6 Commissioning

General

Commissioning shall be carried out by suitably qualified personnel. Instrumentation shall be commissioned by a certified and experienced instrumentation trade. CV's of commissioning personnel shall be provided and approved by the client prior to carrying out the work.

Commissioning Tests

The contractor shall undertake all necessary testing required and record all results, which shall also be signed by the clients' witness. Copies of all test results are to be provided to the superintendent. If in the course of testing, any equipment, apparatus or Cabling is found to be defective; it shall be replaced. The Superintendent prior to and after completion will inspect the work. The contractor shall notify the superintendent of suitable times and all defects shall be repaired prior to practical completion.

Should any test step fail, the fault shall be rectified as agreed with the contractors detailed design manager and the clients' witness and clearly logged in the commissioning test document. The construction drawings shall be updated and signed as approved by the contractors detailed design manager prior to retesting then testing shall be repeated from a step agreed with the clients' witness.

The contractor shall submit a testing and commissioning program which is consistent with the construction program.

Commissioning Test Documents

The contractor shall provide his commissioning test documents to Superintendent for approval at least 14 days prior to carrying out the tests. The test document is expected to be a thorough structured document with each test step assigned a signature box for the witness to sign.

Training

The contractor shall provide onsite training in all new equipment to the satisfaction of Aurukun Shire Council works manager. This shall comprise hand out notes and thorough demonstrations at the equipment site of all equipment operating modes.

6.7 Customer Acceptance and Handover Requirements

General

A thorough documented acceptance and handover process shall be implemented. The contractor shall supply for approval a schedule of all handover documents, software configuration files, and software programmes. This shall include but not limited to:

- Warranties
- Calibration certificates
- Test results
- Safety certificates
- Recommended spares lists
- Operator manuals
- Maintenance manuals
- Software on USB sticks

- Configuration files on USB sticks
- As built drawings
- Materials quality certificates

Warranties

- Name the principal as warrantee on all items. Register for warrantee with each manufacturer, as necessary, within one week of the receipt of the item.
- Retain copies delivered with components and equipment.
- Commence warranty periods at practical completion or at acceptance of Installation if acceptance is not concurrent with practical completion.
- Provide manufacturer's standard warranties where applicable and include in the operation and maintenance manuals.
- If an installation is not by the manufacturer, and manufacturer's warranty is conditional on the manufacturer's approval of the installer, submit the manufacturer's written approval of the installing firm. Provide specific warranties in writing, signed by persons with the authority to accept liability on behalf of the warrantor. Include the completed warranty in the operation and maintenance manual.

6.8 Defects liability

All work and materials shall be guaranteed against all defects for a period of twelve months from date of issue of practical completion. During this period, carry out promptly, replacement of all defective equipment, fixtures and materials at no additional cost. Inspect and test the works at six months into the defect's liability period and at completion of the defect's liability period. Provide scheduled tests as

Required by applicable Australian standards and manufacturer's recommendations.

Operational & maintenance manuals and as-built drawings

The operational and maintenance manuals shall be a true record of all equipment installed. It shall include but not be limited to the following:

- Recommended spare parts,
- Maintenance period recommendations and procedures,
- Contractor contact details during defects liability period,
- Copies of warranties
- As built drawings

After consultation with the superintendent for correct presentation and content, supply one full set of as-built drawings for approval, within thirty days of practical completion. As built drawings are only required for Pump Station 3.

These drawings shall be a true record of the installation as it was installed. Following approval of the initial submission, provide one set of prints, neatly bound and hand to the superintendent. All drawings shall be in AutoCAD 2013 Format, with appropriate symbols, line types and layering of services. Provide one electronic format file of the completed as-built drawings to the Superintendent. The drawings shall include accurate spatial layouts of all installed equipment including cable tray, in slab and in ground conduit and equipment.

Technical Support

The contractor shall provide technical support for the equipment and installation for 12 months following handover. The contractor shall make an allowance for site visits if necessary.

Appendices

Appendix A – Tender Drawings

Drawing Index – Sewer Pump Station 3 Upgrades

Id	Title	Revision	Date
503517-SPS3-DRG-CC-1001	COVER SHEET AND LOCALITY PLAN	1	27/08/2020
503517-SPS3-DRG-CC-1002	PUMPSTATION 3 GENERAL ARRANGEMENT	1	27/08/2020
503517-SPS3-DRG-CC-1003	PUMPSTATION 3 SHELTER AND GANTRY DETAILS – FRAMING PLANS	1	27/08/2020
503517-SPS3-DRG-CC-1004	PUMPSTATION 3 SHELTER AND GANTRY DETAILS – SECTIONS & DETAILS	1	27/08/2020
503517-SPS3-DRG-CC-1005	PUMPSTATION 3 GENSET STRUCTURE	1	27/08/2020
503517-SPS3-DRG-CC-1006	PUMP STATION 3 MACERATOR SCHEMATIC PLAN	1	27/08/2020
503517-SPS3-DRG-CC-1007	PUMP STATION 3 MANHOLE 1/1 OPENING COVER DETAILS	1	27/08/2020
503517-SPS3-DRG-CC-1008	PUMP STATION 3 GENERAL NOTES	1	27/08/2020
503517-SPS3-DRG-CC-1009	PUMP STATION 3 SEWERAGE BLOCK CABLE DIAGRAM	1	27/08/2020

Drawing Index – Wastewater Treatment Works and Leachate Pond

Id	Title	Revision	Date
503517-WWT-DRG-CC-0001	COVER SHEET AND LOCALITY PLAN	1	27/08/2020
503517-WWT-DRG-CC-0002	GENERAL LAYOUT	1	27/08/2020
503517-WWT-DRG-CC-0003	PROPOSED PIPE CONFIGURATION AT INLET WORKS	1	27/08/2020
503517-WWT-DRG-CC-0004	BAFFLE ARRANGEMENT	1	27/08/2020
503517-WWT-DRG-CC-0005	LAGOON LINER REPAIR PLAN	1	27/08/2020
503517-WWT-DRG-CC-0006	LAGOONS MOW STRIP PLAN	1	27/08/2020
503517-WWT-DRG-CC-0007	LAGOONS - ESCAPE ROPE LOCATIONS	1	27/08/2020
503517-WWT-DRG-CC-0008	LEACHATE POND SITE LOCATION	1	27/08/2020
503517-WWT-DRG-CC-0009	LEACHATE POND SITE LAYOUT	1	27/08/2020
503517-WWT-DRG-CC-0010	GENERAL NOTES	1	27/08/2020

Appendix B – Code of Conduct



Code of Conduct in Indigenous Communities

The success of projects under this program requires ongoing harmonious relations with the local community. This in turn is dependent on high standards of behaviour and mutual respect between all parties. High standards of behaviour involve fair, honest, and culturally appropriate interaction. Respect involves recognition and acceptance of the diverse social and cultural environment in Indigenous communities. In particular the importance of historical affiliation to land is recognised.

To assist in the successful completion of this project this Code of Conduct shall be adhered to by all personnel engaged on the project site. Failure to adhere to this Code of Conduct shall be cause for removal from the project site.

- (1) All work shall be project work as directed by the Contractor's Site Supervisor. No other work shall be carried out, services rendered, or goods or equipment loaned to community members including Council personnel and elected representatives unless directed by Contractor's Site Supervisor. Where any doubt exists the Contractor's Site Supervisor shall be contacted for direction.
- (2) Council plant, equipment, materials, or fuel shall not be used or borrowed unless directed by Contractor's Site Supervisor. Use of Council assets shall only be with the prior written approval of Council's Technical Services Manager.
- (3) Different cultures have differing attitudes to behaviour including swearing, treatment of females, and social interaction. Behaviour is at all times to be of the highest standard to avoid the potential for misunderstanding.
- (4) Any social contact with local community members shall be on a cordial mutual respect basis. Intimate or close-contact relations have the potential to affect harmonious relations with the broader community. No intimate or close-contact relations (or contact that may be perceived as such) is permitted during the course of work on this project.
- (5) The requirements of the Alcohol Management Plan for the community shall be complied with. No alcohol or illicit substances shall be brought into the community or any work site. The sale of alcohol to community members is strictly prohibited. Offenders will be removed from site and face possible legal action.
- (6) Any incidents involving local community members shall be reported to the Contractor's Site Supervisor as soon as possible.

I have read the above points (1) to (6) and agree to abide in full to this Code of Conduct.

NAME: _____

SIGNATURE: _____

DATE _____

Appendix C – Technical Specifications

FNQROC Development Manual Operational Works

Document no.	Title
CP1	CONSTRUCTION PROCEDURES
S1	EARTHWORKS
S6	SEWERAGE RETICULATION
S7	CONCRETE WORKS
S8	LANDSCAPING

FNQROC Standard Drawings

Document no.	Title
S1027A	SECURITY FENCING

Appendix D – Standard Specification / Standard Drawing Lists

Refer to design drawings for applicable design standards, in addition to those listed below

1. Australian Standards

Document no.	Title
AS/NZS3000	WIRING RULES
AS/NZS3008	SELECTION OF CABLES
AS60529	DEGREE OF INGRESS PROTECTION
AS60947	LOW VOLTAGE SWITCH GEAR AND CONTROL GEAR
AS1824	INSULATION COORDINATION DEFINITION, PRINCIPLES AND RULES
AS4100	STEEL STRUCTURES
AS1554	STRUCTURAL STEEL WELDING
AS1111	ISO METRIC HEXAGON BOLTS AND SCREWS
AS1252	HIGH-STRENGTH STEEL FASTENER ASSEMBLIES FOR STRUCTURAL ENGINEERING
AS/NZS4680	HOT-DIP GALVANIZED (ZINC) COATINGS ON FABRICATED FERROUS ARTICLES
AS3600	CONCRETE STRUCTURES

2. FNQROC Development Manual Operational Works

Document no.	Title
CP1	CONSTRUCTION PROCEDURES
S1	EARTHWORKS
S6	SEWERAGE RETICULATION
S7	CONCRETE WORKS
S8	LANDSCAPING

3. FNQROC Standard Drawings

Document no.	Title
S1027A	SECURITY FENCING

4. Department of Transport and Main Roads

Document no.	Title
MRTS 01	INTRODUCTION TO TECHNICAL SPECIFICATIONS

5. Other Specifications

Document no.	Title
	BUILDING CODE OF AUSTRALIA (BCA) AND THE NATIONAL CONSTRUCTION CODE (NCC)
	QUEENSLAND ELECTRICAL SAFETY
	WORKPLACE HEALTH AND SAFETY

Appendix E – Project Specific Documents

Other Project Specific Documents

Document No.	TITLE
XRC136-280QD+SIK	VOGELSANG RIPPER
ESTX03N3SEN	X-RIPPER PCU CIRCUIT DIAGRAM

Document prepared by

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to life*

