



CABONNE COUNCIL

CONTRACT No. 1193978

QUALITY ASSURANCE, LUMP SUM CONTRACT

for the

**Cumnock and Yeoval Water Mains
Disinfection**

PREPARED BY:
COUNCIL'S DEPARTMENT OF
ENGINEERING & TECHNICAL SERVICES
December 2020



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QUALITY ASSURANCE LUMP SUM CONTRACT

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**Cumnock and Yeoval Water Mains
Disinfection**

INFORMATION FOR TENDERERS

PREPARED BY:
COUNCIL'S DEPARTMENT OF
ENGINEERING & TECHNICAL SERVICES
December 2020

CONTENTS

PAGE

1 PROJECT IDENTIFICATION AND DESCRIPTION 1

2 RELEVANT DOCUMENTS 1

3 TENDERING METHOD 1

4 COUNCIL'S CONTACT PERSON 1

5 SITE INSPECTION 1

6 TENDER LODGEMENT REQUIREMENTS 2

INFORMATION FOR TENDERERS

GENERAL

1 PROJECT IDENTIFICATION AND DESCRIPTION

This tender is for Contract No. 1193978 being for the provision of all labour, supervision, materials, plant and equipment required for the swabbing, flushing, disinfection and water testing of water supply mains and reservoirs from Molong WTP to and within the towns of Cumnock and Yeoval

This is a Quality Assurance contract with method of payment being Lump Sum.

2 RELEVANT DOCUMENTS

(a) The Contract Documents for this project are:

- **General Conditions of Contract (AS 4000-1997)***
- **Specifications**
- **Tender Submission Forms**

*** AS 4000-1997 is not included as part of the contract documentation. Copies are available from Standards Australia**

(b) The following documentation is provided for the information of the Tenderers and does not form part of the Contract Documents:

- Information for Tenderers and Conditions of Tendering

The Tenderer warrants and represents that it will, prior to submission of tender, obtain the information and documentation referred to above and will obtain all other information relevant to the works, contingencies and other circumstances having an effect on its tender.

3 TENDERING METHOD

This Contract shall follow the "The Procedures of Open Tendering" in accordance with AS4120-1994 Clause 6.2.3(b), The Principal invites the public advertisement without restriction on the numbers of tenders sought.

4 COUNCIL'S CONTACT PERSON

Enquiries regarding this tender may be directed to:

Name: Ray Graham Phone: 02 6390 7100 / 0411 635520
Position: Temporary Project Engineer

5 SITE INSPECTION

There will be no site inspection, however tenderers are able to make their own arrangements to visit the site.

6 TENDER LODGEMENT REQUIREMENTS

Tenders shall be submitted on the Tender Forms provided by the Principal, Tender Submission Documents, and are to be enclosed in a sealed envelope and the envelope marked legibly as follows:

Contract No. **1193978**

Tender for **Cumnock and Yeoval Water Mains Disinfection**

and either:

delivered by hand or by courier and placed in the:

Tender Box
Cabonne Council
101 Bank Street
MOLONG NSW 2866

or

mailed to the Tender Box addressed as follows, and marked:

“Contract 1193978 Cumnock and Yeoval Water Main Disinfection”

Tender Box
Cabonne Council
PO BOX 17
MOLONG NSW 2866

or

submitted electronically on

www.tenderlink.com/cabonne

so as to be received **before the closing time and date for tenders.**

Time: 12:00 pm, noon

Date: Friday 29 January 2021



CABONNE COUNCIL

CONTRACT No. 1193978

QUALITY ASSURANCE LUMP SUM CONTRACT

for the

**Cumnock and Yeoval Water Mains
Disinfection**

CONDITIONS OF TENDERING

PREPARED BY:
COUNCIL'S DEPARTMENT OF
ENGINEERING & TECHNICAL SERVICES
DECEMBER 2020

CONTENTS

CLAUSE	PAGE
GENERAL	1
1. PREAMBLE	1
2. PROJECT INFORMATION.....	1
3. RELEVANT DOCUMENTS	1
4. CONTRACTOR'S RESPONSIBILITY	1
5. COUNCIL'S CONTACT PERSON.....	2
TENDER SUBMISSION INFORMATION	2
6. SUPPORTING INFORMATION FROM TENDERERS.....	2
7. SUBCONTRACTORS	2
8. SITE INSPECTION.....	2
9. ALTERNATIVE PROPOSALS.....	2
10. TENDER VALIDITY PERIOD.....	3
11. TENDER LODGEMENT REQUIREMENTS	3
12. LATE TENDERS.....	3
13. TENDER EVALUATION AND SELECTION	3
14. POST TENDER SUBMISSIONS	4
15. POST TENDER NEGOTIATIONS.....	4
16. COST OF TENDERING	4
17. CONTRACT COMMENCEMENT DATE	4

CONDITIONS OF TENDERING

GENERAL

1. PREAMBLE

The Conditions of Tendering have been prepared in accordance with the obligations of the Principal contained in the Australian Standard 4120-1994, Code of Tendering, which sets out the ethics and obligations of the Principal and Tenderers in tendering in the construction industry.

Tenderers and Principal shall comply with the requirements of this AS 4120-1994. In particular, attention is drawn to the obligations of Tenderers, in the preparation and submission of their tender for this project.

Without limiting the above obligations: -

- Tenderers shall not submit tenders without a firm intention to proceed.
- Tenderers must not engage in any form of collusive practice.
- Any Tenderer who directly or indirectly canvasses support from an elected member or servant of the Council will be disqualified.

It should be noted that in all contract documentation words importing a gender include every gender.

2. PROJECT INFORMATION

The complete project description, scope of work, specific site and project requirements shall be as defined in the Specification.

This tender is for Contract No. 1193978 Cumnock and Yeoval Water Mains Disinfection

It is a Quality Assurance contract with method of payment being Lump Sum.

3. RELEVANT DOCUMENTS

- (a) The contract documents for this project are:

CONDITIONS OF CONTRACT

- General Conditions of Contract (AS 4000-1997)*.
- Annexures to General Conditions of Contract.

* AS 4000-1997 is not included as part of the contract documentation. Copies are available from Standards Australia.

TENDER SUBMISSION FORMS

SPECIFICATION

05 Cumnock and Yeoval Water Mains Disinfection Specification

4. CONTRACTOR'S RESPONSIBILITY

It shall be the responsibility of the Contractor to ascertain all information relating to the services, the works and site conditions that may affect the progress or method of performing all services and works as specified within

the scope of this contract and to prepare for every contingency that may arise. It is further understood that provision for these contingencies have been accounted for, implicitly or explicitly within the Bill of Quantities or Schedule of Rates submitted.

5 COUNCIL'S CONTACT PERSON

Enquiries regarding this tender may be directed to:

Name: **Ray Graham** Phone: **02 6390 7100 / 0411 635520**
Position: **Temporary Project Engineer**

TENDER SUBMISSION INFORMATION

6 SUPPORTING INFORMATION FROM TENDERERS

The Tenderer shall provide documentary evidence to prove they have the necessary competence, resources, industrial relations, quality and safety management and financial capacity to carry out the Works. in addition to the tender submission documents/forms included in the tender documents.

- Copy of Certificate of Currency for Public Liability Insurance. (Min \$20million)
- Copy of Certificate of Currency for Professional Indemnity
- Copy of Employer's Liability Insurance under Workers Compensation Act
- Copy of Work, Health & Safety (WHS) Plan
- Copy of Safe Work Method Statement (SWMS)
- Copy of Environmental Management Plan
- Copy of Quality Management Plan
- Copy of audited financial reports for the last three years
- Copy of Proposed Works Program

7 SUBCONTRACTORS

The Tenderer is required to provide, on the tender form in the Tender Submission Documents, the names and telephone numbers of Tenderer's Subcontractors and recognise by initials the Principal's listing of Selected and Nominated Contractors.

8 SITE INSPECTION

NIL

9 ALTERNATIVE PROPOSALS

Alternative proposals, which satisfy the Principal's basic commercial and performance objectives, technical and legal requirements, may be submitted as options but only in addition to a conforming tender. All costs associated with the design and documentation of any alternative proposal shall be borne by the Tenderer.

10 TENDER VALIDITY PERIOD

Tenders will be valid for a period of 60 days from the tender closing date. In the event of the withdrawal of the tender prior to the expiration of this period, the Tenderer shall be liable for all costs, losses or damages suffered by the Principal by reason of that withdrawal.

11 TENDER LODGEMENT REQUIREMENTS

Tenders shall be submitted on the forms provided by the Principal in the Tender Submission Documents, and are to be enclosed in a sealed envelope and the envelope marked legibly as follows:

Contract No. **1193978**

Tender for **Cumnock and Yeoval Water Mains Disinfection**

and either:

delivered by hand or by courier and placed in the:

Tender Box
Cabonne Council
101 Bank Street
MOLONG NSW 2866

or

mailed to the Tender Box addressed as follows, and marked

“Contract No 1193978 Cumnock and Yeoval Water Mains Disinfection

Tender Box
Cabonne Council
PO BOX 17
MOLONG NSW 2866

or

submitted electronically to

www.tenderlink.com/cabonne

so as to be received **before the closing time and date for tenders.**

Time: 12:00 noon

Date: Friday 29 January 2021

12 LATE TENDERS

A tender which is received after the closing time and date will only be considered if the Tenderer can satisfy Council that it complies with Clause 177 (5) of the Local Government (General) Regulations 2005.

13 TENDER EVALUATION AND SELECTION

Evaluation, negotiation and selection of tenders shall be in accordance with the requirements of AS 4120 (1994), Code of Tendering and Local Government Regulations 2005 under the Local Government Act 1993.

The evaluation criteria shall be:

- Lump sum tender amount
- Evidence of capability and capacity
- Proposed design and project programme
- Industry reputation and past record of providing similar services
- Quality management system and work health and safety environmental management system

The Principal is not bound to accept the lowest, or any tender.

The successful Tenderer which is accepted shall be notified in writing to all Tenderers.

14 POST TENDER SUBMISSIONS

The Principal may call for post tender submissions from some or all tenderers in order to assist with the evaluation.

Such submissions will be confidential between the Principal and Tenderer.

The call for such submissions will not bind the Principal to proceed to accept a tender.

15 POST TENDER NEGOTIATIONS

The Principal may enter into negotiation with a Preferred Tenderer or a number of candidate tenderers.

Such negotiations will be confidential between the Principal and Tenderer and will be conducted in accordance with guidelines set out in AS 4120 (1994).

The undertaking of negotiations will not bind the Principal to proceed to accept a tender.

16 COST OF TENDERING

All costs associated with tender preparation and submission shall be borne by the Tenderer.

17 CONTRACT COMMENCEMENT DATE

The commencement of the Contract is nominated as the date of instrument of agreement between Council and the successful Tenderer. There shall be no Contract prior to the issue of a letter of acceptance and a signed Instrument of Agreement.



CABONNE COUNCIL

CONTRACT No. 1193978

LUMP SUM CONTRACT

for the

**Cumnock and Yeoval Water mains
Disinfection**

CONDITIONS OF CONTRACT

**PREPARED BY:
Cabonne Council
DATE: DECEMBER 2020**

CONTENTS

1. GENERAL CONDITIONS OF CONTRACT
2. ANNEXURES TO THE GENERAL CONDITIONS OF CONTRACT
 - PART A
 - PART B
 - PART C

GENERAL CONDITIONS OF CONTRACT

THE GENERAL CONDITIONS OF CONTRACT
SHALL BE
AUSTRALIAN STANDARD (AS) 4000 - 1997
THIS DOCUMENT IS DEEMED TO BE INCLUDED IN THE
CONTRACT DOCUMENTS

Copies are available from Standards Australia.

ANNEXURE

to the

**GENERAL CONDITIONS
OF CONTRACT**

**ANNEXURE to the Australian Standard
General Conditions of Contract AS4000-
1997**

PART A –

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 *Principal*
(clause 1)

CABONNE COUNCIL

ABN: 41 992 919 200

2 *Principal's address*

**PO Box 17
MOLONG NSW 2866
Ph 6390 7100**

**Principals Representative: Cabonne Council's
Deputy General Manager - Infrastructure**

3 *Contractor*
(clause 1)

ABN:

4 *Contractor's address*

5 *Superintendent*
(clause 1)

**Cabonne Council's Department Leader – Water
and Sewer
Ph 6390 7100**

6 *Superintendent's address*

**PO Box 17
MOLONG NSW 2866**

7 Period of time for practical completion (clause 1)

**The works under the contract shall be
completed on or before 30 April 2021.**

8 Governing law:
(page 5, clause 1(h))

New South Wales

9 (a) Currency
(page 5, clause 1(g))

Australian Dollars

(b) Place of payments
(page 5, clause 1(g))

**PO Box 17
MOLONG NSW 2866**

(c)	Place of Business of Bank (page 5, clause 1(d))	MOLONG NSW 2866
10	<i>Bill of quantities</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)	N/A
(c)	Lodgement time (subclause 2.3(b))	At the time of Tender Submission
11	Quantities in <i>schedule of rates</i> , limits of accuracy (Clause 2.5(b))	N/A
12	<i>Provisional sum</i> , percentage for profit and attendance (clause 3)	As assessed by the Superintendent
13	Contractor's Security	
(a)	Form (clause 5)	Retention Money
(b)	Amount or maximum percentage value of this <i>contract sum</i> (clause 5)	5% If nothing stated, 5% of value of this separable portion
(c)	If retention moneys, percentage of each <i>progress certificate</i> applicable to this <i>contract sum</i> (clause 5 and subclause 37.2)	10% If nothing stated, 10%, until the limit in <i>Item 13(b)</i>
(d)	Time for provision (except for retention moneys) (clause 5)	14 Days after acceptance of tender If nothing stated, within 28 days after due <i>date of acceptance of tender</i>
(e)	Additional <i>security</i> for unfixed plant and materials (subclauses 5.4 and 37.3)	N/A
(f)	<i>Contractor's security</i> upon <i>certificate of practical completion</i> is reduced by (subclause 5.4)	50 % of amount held If nothing stated, 50% of amount held
14	Principal's security	
(a)	Form (clause 5)	N/A
		N/A

(b) Amount or maximum percentage of value of this <i>separable portion</i> (clause 5)	N/A If nothing stated, within 28 days <i>after date of acceptance of tender</i>
(c) Time for provision (clause 5)	N/A If nothing stated, 50% of amount held
(d) <i>Principal's security</i> upon <i>certificate of practical completion</i> is reduced by (subclause 5.4)	
15 <i>Principal</i> -supplied documents (Clause 6.1)	Contract documents including: <ul style="list-style-type: none"> • Conditions of Contract • Specification Cumnock and Yeoval Water Mains Disinfection Specification • Tender Submission Documents.
16 Time for <i>Superintendent's direction</i> about documents (subclause 8.3)	14 days
17 Subcontract <i>work</i> requiring approval (subclause 9.2)	All Subcontract work
18 Novation (subclause 9.4)	N/A
19 <i>Legislative requirements</i>	
(a) Those excepted (subclause 11.1)	N/A
(b) Identified <i>WUC</i> (subclause 11.2(a)(ii))	N/A
20 Insurance of <i>the Works</i> (clause 16)	
(a) Alternative applying	Alternative 1
If Alternative 1 applies	
(b) Provision for demolition and removal of debris	NIL

(c)	Provision for consultant's fees	NIL
(d)	Value of materials or things to be supplied by the <i>Principal</i>	NIL
(e)	Additional amount or percentage	NIL
21	Public liability insurance (clause 17)	
(a)	Alternative applying	Alternative 1
	If Alternative 1 applies	
(b)	Amount per occurrence shall be not less than	\$20,000,000
22	Time for giving possession (subclause 24.1)	<i>Date of acceptance of tender</i>
23	Qualifying cause of delay. Cause of delay for which <i>EOTs</i> will not be granted (page 3, paragraph (b)(iii) of clause 1 and subclause 34.3)	N/A
24	Liquidated Damages, rate (subclause 34.7)	-
25	Bonus for early <i>practical completion</i> (Clause 34.8)	N/A
26	Delay damages, other compensable causes (page 1, clause 1 and subclause 34.9)	Nil
27	Defects liability period (Clause 35)	12 months from the date of practical Completion of the Works Under the Contract
28	Progress Claims (subclause 37.1)	
a)	Times for progress claims	By the fourteenth (14th) day of each month for <i>WUC</i> done to the last day of the previous month

29	Unfixed plant and materials for which payment claims may be made (subclause 37.3)	N/A
30	Interest rate on overdue payments (subclause 37.5)	N/A
31	Time for <i>Principal</i> to rectify inadequate possession (subclause 39.7)	14 days
32	Arbitration and <i>Expert Determination</i> : (subclause 42.3)	
(a)	Person to nominate an arbitrator or <i>Expert</i> :	Chairperson for the time being of the Chapter of the Institute of Arbitrators & Mediators Australia in New South Wales
(b)	Rules for arbitration:	Rules 5-18 of the Rules of The Institute of Arbitrators & Mediators Australia for the Conduct of Commercial Arbitrations
(c)	Rules for expert determination:	Guidelines for Expert Determination of the Australian Commercial Disputes Centre

ANNEXURE - PART B

ANNEXURE PART B**1. Deletions**

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

Clause 29.2 Quality Assurance

Clause 34.8 Bonus for Early Practical Completion (optional)

2. Amendments

The following clauses from the General Conditions in AS 4000-1997 have been amended.

CLAUSE 1. INTERPRETATION AND CONSTRUCTION OF CONTRACT

The following interpretations shall be included:

Equipment means the goods to be supplied or supplied by the *Contractor* pursuant to the *Contract*;

3. Additions

The following clauses have been added to AS4000-1997:

CLAUSE 29.6. QUALITY REQUIREMENTS

The Contractor shall:

- (a) Comply with all the quality requirements as provided in the contract documents for all works under the Contract.
- (b) Ensure that each of its Subcontractors and Consultants comply in like manner.
- (c) Demonstrate to the Principal whenever required that all the quality requirements of the contract are being met.

Where inappropriate or inadequate provision of quality supervision by the Contractor or Contractor's Subcontractor results in costs, losses or damages incurred by the Principal or claims by third parties against the Principal for either direct or consequential costs, losses or damages, the Contractor shall be liable for costs, losses or damages associated with any claim including but not limited to administration costs incurred by the Principal in resolving such claim.

CLAUSE 44. WORK, HEALTH AND SAFETY (W H & S)

The *Contractor* shall:

- (a) Comply with all requirements of the *Contract*, Cabonne Council's Work Health and Safety Policy and Manual, and all statutory requirements for Work, Health and Safety
- (b) Ensure that each of its subcontractors and *Consultants* comply in like manner
- (c) Demonstrate to the *Principal* whenever requested that requirements of the *Contract* and statutory requirements for Work, Health and Safety are being met

- (d) Prior to the commencement of work, provide the *Principal* with certification that safety requirements of the *Contract* and statutory requirements for Work, Health and Safety are capable of being met
- (e) If the period of the contract exceeds three months the *Contractor* is to provide the *Principal* with a monthly certification that requirements of the *Contract* and statutory requirements for Work, Health and Safety are being met
- (f) The *Contractor* is to submit to the *Superintendent* an Occupational Health and Safety Management Plan to ensure compliance with relevant legislation and responsible work practices are followed. The Work, Health and Safety Management Plan shall address, but not be limited to, the following issues:
- *Contractor* WH & S policies and objectives
 - Defining responsibilities of personnel responsible for WH & S matters and their qualifications
 - Identifying and allocation of human, technical and financial resources adequate to meet the WH & S needs
 - Managing compliance with WH & S legislation regulations, standards and codes
 - Acquiring and disseminating WH & S information
 - Planning and conducting safety training, including induction for new employees
 - Developing and implementing emergency procedures
 - Assessing subcontractors' abilities to comply with WH & S requirements;
 - Ensuring compliance with safe working rules
 - Preparing work method statements
 - Verifying that work areas, work methods, materials, plant and equipment comply with safety legislation standard and codes
 - Quarantining unsafe work areas, materials, plant and equipment
 - Reporting incidents and accidents and collating accident and injury statements;
 - Investigating incidents and accidents and initiating corrective actions to eliminate or reduce risk
 - Rehabilitating injured employees.

The WH & S plan shall be submitted by the *Contractor* to the Superintendent within 7 days of acceptance of the tender and shall be used by the Superintendent to gain confidence that the *Contractor* has recognised and has the ability to meet the statutory requirements and will utilise responsible work practices.

Where inappropriate or inadequate provision of Work Health and Safety Management by the *Contractor* or *Contractor's* Subcontractor results in costs, losses or damages incurred by the *Principal* or claims by third parties against the *Principal* for either direct or consequential costs, losses or damages, the *Contractor* shall be liable for costs, losses or damages associated with any claim including but not limited to administration costs incurred by the *Principal* in resolving such claim.

CLAUSE 45. ENVIRONMENTAL SYSTEMS PLANNING

The *Contractor* shall:

- (a) Comply with all requirements of the *Contract* and statutory requirements for protection of the environment
- (b) Ensure that each of its subcontractors and *Consultants* comply in like manner
- (c) Demonstrate to the *Principal* by mutual inspection and/or documentation whenever requested that requirements of the *Contract* and statutory requirements for the protection of the environment are being met
- (d) Prior to the commencement of work, provide the *Principal* with certification that the requirements of the *Contract* and statutory requirements for the protection of the environment are capable of being met by the *Contractors'* organisation and management
- (e) If the period of the contract exceeds three months the *Contractor* is to provide the *Principal* with a monthly certification that the requirements of the *Contract* and statutory requirements for protecting the environment are being met
- (f) The *Contractor* is responsible for and must at its own cost make good any damage to the environment caused by the execution of the works.

Where inappropriate or inadequate provision of environmental management by the *Contractor* or subcontractor results in costs, losses or damages incurred by the *Principal* or claims by third parties against the *Principal* for either direct or consequential costs, losses or damages, the *Contractor* shall be liable for costs, losses or damages associated with any claim including but not limited to administration costs incurred by the *Principal* in resolving such claim.

CLAUSE 46. HOURS OF WORK

The hours of work under the *Contract* shall be limited to:

7.00am	to	5.00pm	Mondays to Fridays
7.00am	to	5.00pm	Saturdays
No Work			Sundays or Public Holidays

If, in the interests of the safety or to protect life or property the *Contractor* finds it necessary to carry out, without the prior approval of the *Superintendent*, work outside the defined hours of work, the *Contractor* shall inform the *Superintendent* in writing of the circumstances within 24 hours. Extended hours shall be a mutual agreement between the *Contractor* and the *Principal*.

ANNEXURE - PART C

ANNEXURE PART C
STATUTORY DECLARATION

I, _____
(Full name of Declarant)

of _____
(Address)

do hereby solemnly declare and affirm that:

1. I am the representative of the Contractor: _____
(Name of Contractor and ACN if applicable)

in the Office Bearer capacity of: _____
(Position Title of Declarant)

the said Contractor having a contract for: _____
(Name of Contract)

with _____ and I am in a position to know the facts attested to.
(Name of Principal)

2. All workers who have at any time been engaged by the Contractor have been paid all moneys due and payable to them in respect of their employment on work under the Contract, with the exception of the workers and the respective amounts listed below: (INSERT NAMES & ADDRESSES OF WORKERS, THE AMOUNTS OWING, AND WHETHER IN RESPECT OF WAGES, HOLIDAY PAY, ALLOWANCES, ETC).

3. All subcontractors and suppliers to the Contractor have been paid all moneys due and payable to them for the performance of work under the Contract and the supply of materials for use in work under the Contract, with the exception of the subcontractors and suppliers and the respective amounts listed below: (INSERT NAMES & ADDRESSES OF SUBCONTRACTORS AND SUPPLIERS, THE AMOUNTS OWING AND WHETHER IN RESPECT OF MATERIALS SUPPLIED, WORK PERFORMED, ETC).

4. The Contractor has been informed by each subcontractor to the Contractor by Statutory Declaration in equivalent terms to this declaration that all workers, subcontractors, and suppliers engaged by them or their subcontractors have been paid all moneys due and payable to them in respect of their work under the Contract, with the exception of the workers, subcontractors and suppliers and the respective amounts listed below. I am not aware of anything to the contrary, and on the basis of the contents of the statutory declarations provided I believe that information to be true: (INSERT NAMES & ADDRESSES, THE AMOUNTS OWING AND WHETHER IN RESPECT OF WAGES, MATERIALS, ETC).

I make this solemn declaration, as to the matter aforesaid, according to the law in this behalf made, and subject to the punishment by law provided for any wilfully false statement in any such declaration.

(Signature of Declarant)

Declared at: _____ this _____
(day month year)

before me _____
(Signature of JP or authorised person)



Contract 1193978
Cumnock and Yeoval Water Mains Disinfection

Section 5 - Technical Specification

Contents

1.0	General	1
1.1	Background.....	1
1.2	Detail of Mains and Reservoirs to be Disinfected	1
1.3	Services to be Provided	1
1.4	Program of Works	2
1.5	Inspection by Visitors	2
2.0	Swabbing	2
2.1	Swabbing Procedure.....	3
3.0	Flushing	3
3.1	Isolation of Water Supply Zones	3
3.2	Flushing of mains.....	3
3.3	Flushing of Reservoirs	4
4.0	Disinfection	4
4.1	Sodium Hypochlorite.....	4
4.2	Mains Disinfection Procedure	5
4.3	Reservoir Disinfection Procedure.....	5
5.0	Water Sampling and Testing	6
5.1	Sampling.....	6
5.2	Analysis and Acceptance	6
6.0	Works Execution	7
6.1	Notification to Residents and Businesses by Council	7
6.2	Notification to Residents and Businesses by the Contractor	7
6.3	Isolation of the Water Network	8
6.4	Customer Complaints	8
6.5	Disputes with Property Owners.....	8
6.6	Precautions in Carrying Out Works	8
6.7	Avoidance of Damage.....	9
6.8	Contractors Neglect	9
7.0	Safety	9
7.1	Risk Assessment	9
7.2	Safety of Personnel.....	9
7.3	Traffic Control	10
7.4	Chemicals	10
8.0	Environmental	10
8.1	Disposal of Water.....	10
8.2	Sediment and Erosion Control	10

8.3	Disposal of Materials.....	11
8.4	Noise	11
9.0	Works Accommodation and Services	11
9.1	Works Accommodation	11
9.2	Water.....	11
9.3	Sanitary Accommodation	11
9.4	Power	11
10.0	Site Information Supplied by the Principal	12
10.1	Site Conditions.....	12
10.2	Indemnity	12
Appendix A	Molong to Yeoval Watermain Work as Executed Drawings	A-1
Appendix B	Cumnock Township Water Supply Network.....	B-1
Appendix C	Yeoval Township Water Supply Network.....	C-1

1.0 GENERAL

1.1 Background

The towns of Cumnock and Yeoval are currently supplied with non-potable water by Cabonne Council. A new watermain has recently been constructed by Cabonne Council from the Molong Water Treatment Plant to both towns. When this water main is commissioned and chlorinated potable water is introduced to the existing water supply mains, the change in water chemistry, reverse flows, and pressure changes are likely to mobilise sediments and biofilms, leading to dirty water supplied to consumers. Cleaning of the new water main from Molong and the existing water supply mains in Cumnock and Yeoval is required before potable water is introduced.

1.2 Detail of Mains and Reservoirs to be Disinfected

Details of the Molong to Yeoval watermain and reservoirs are provided in Appendix A. The existing non-potable water supply networks in Cumnock and Yeoval are provided in Appendix B and Appendix C.

1.3 Services to be Provided

Provide all labour, supervision, materials, plant and equipment required for the swabbing, flushing, disinfection and water testing of water supply mains and reservoirs from Molong WTP to and within the towns of Cumnock and Yeoval.

The required cleaning and disinfection for different diameter water mains is shown in Table 1.

Table 1: Works Required for Mains and Reservoir Cleaning

Pipe Diameter	Swabbing	Flushing	Disinfection	Water Quality Analysis
< 100 mm		✓	✓	✓
≥ 100 mm to < 225 mm	✓	✓	✓	✓
≥ 225	✓	✓	✓	✓
Reservoirs		✓	✓	✓

The work under the Contract includes:

- site establishment
- notification to residents and businesses prior to water mains cleaning
- preparation and implementation of traffic control plans
- isolation of water supply zones during mains cleaning
- swabbing of water mains to remove sediments and biofilms
- flushing of water mains to remove sediments and biofilms
- disinfection of water mains to remove pathogens
- water sampling and testing for acceptance

- sediment and erosion control measures
- traffic and pedestrian control
- the removal and disposal of surplus materials and rubbish
- submission of close out report
- site disestablishment

Work that is excluded from the contract includes:

- Connection of customer's properties to potable water

1.4 Program of Works

The work shall start from the Gidley Street Reservoir in Molong and work towards Cumnock and then Yeoval ensuring there is no backflow of non-potable water into mains or reservoirs that have already been cleaned.

The work in the villages of Cumnock and Yeoval will commence no earlier than 1 April 2021 with completion of works to be no later than 30 April 2021.

Within one weeks of the date of acceptance of tender, the Contractor shall submit to the Superintendent a detailed mains cleaning and disinfection program indicating commencement and finishing dates.

1.5 Inspection by Visitors

The Contractor shall refer all applications for site inspection to the Superintendent. They shall not arrange inspections by visitors without the Superintendent's prior approval.

2.0 SWABBING

All water mains 100 mm diameter or greater shall be swabbed.

The Contractor shall identify the swabbing stations and scour points before commencing. For DN 100 to DN 150 inclusive, swabs may be inserted at hydrants. Inspect the discharge location and assess where the scoured water from the main will run. If necessary, clear a channel for the water to flow to a nearby drain or storm water system. Use hoses, if appropriate, to carry water to suitable discharge point. Anchor hoses to prevent whipping and becoming a trip hazard.

The Contractor shall use new pre-packaged swabs that are stored and handled hygienically. Swabs shall be of a size appropriate to the main size in accordance with Table 2.

Table 2: Dimensions of Swabs

Maximum internal pipe diameter (mm)	Swab diameter (mm)	Swab length (mm)
100	130-150	200-250
150	200-225	300-350
200	250-300	350-400
225	300-340	400-450
250	350-375	425-500
300	400-450	450-600

Source: WSAA

The Contractor shall establish vehicle and pedestrian controls and safety needs as required.

2.1 Swabbing Procedure

Use the following procedure for each swab run:

1. Drain water from existing mains
2. Number all swabs and record where they are inserted into the main
3. Insert swabs using a clean plunger
4. Isolate the length of water main subject to swabbing by closing appropriate valves including valves on off-take mains, gate valves on copper and polyethylene sub mains and large size service connections where applicable. Close all hydrants within the limits of the swab run. Carry out swab runs prior to charging and flushing the main.
5. Operate a control valve to propel the swab along the water main swab route at a velocity of between 0.5 and 1.0 m/s.
6. Upon removal of the swabs, flush the main until the discharged water is clear then close the controlling valve.
7. Repeat procedures 3 to 6 using new clean swabs as directed by the Superintendent if a large amount of debris is discharged or if after a reasonable flushing time the discharging water remains discoloured
8. Record the number of each swab as it leaves the main to ensure that none are left in the main.
9. Only remove the discharge assembly when it is sure that entry into the main of deleterious matter or discharged water has been prevented.
10. Dispose of swabbing wastewater in accordance with the relevant environmental legislation and Principal's requirements. Use silt fences or sandbags to prevent erosion around discharge points as required. If there is any undesirable impact on public or the environment, take the appropriate remedial action.
11. Flush the main in accordance with Clause 3.0

3.0 FLUSHING

All mains shall be flushed including those that have been swabbed in accordance with Clause 2.0.

3.1 Isolation of Water Supply Zones

The Contractor shall isolate sections of the water supply network for air scouring in consultation with Cabonne Council water operation staff. The isolated sections are typically 2 - 3 km at a time.

Isolate sections of the water supply network for flushing. Mains requiring flushing are shown in Appendix A, Appendix B and Appendix C.

3.2 Flushing of mains

The Contractor shall identify a series of appropriate flushing points, moving systematically from upstream to downstream throughout the water supply network. Appropriate flushing points will have a hydrant or scour valve downstream of the section to be flushed with a stop valve downstream of the hydrant or scour valve. Inspect the flushing location and assess

where the scoured water from the main will run. If necessary, clear a channel for the water to flow to a nearby drain or storm water system. Use hoses, if appropriate, to carry water to suitable discharge point. Anchor hoses to prevent whipping and becoming a trip hazard.

The Contractor shall establish vehicle and pedestrian controls and safety needs as required.

Fully open the hydrant standpipe or scour valve and allow water to flow at a flow greater than 1 m/s for at least 5 minutes for every 100 m of main or part thereof. Continue flushing until the discharged flush water becomes clear. Flush at the highest velocity possible, with hydrants open as much as possible to maximise removal of sediments and biofilms from the mains.

Use silt fences or sandbags to prevent erosion around the flushing points as required. If there is any undesirable impact on public or the environment, take the appropriate remedial action. This may include stopping the flushing temporarily.

Once flushing is complete, disinfect the main in accordance with Clause 4.0.

3.3 Flushing of Reservoirs

All scaffolding, planks, tools, rags and other materials not part of the structural or operating facilities of the reservoir shall be removed. The surfaces of the walls, floor, and operating facilities of the storage facility shall then be cleaned thoroughly using a high-pressure water jet, sweeping, scrubbing or equally effective means. All water, dirt, and foreign material accumulated in this cleaning operation shall be discharged from the storage facility or otherwise removed.

Following the cleaning operation, the vent screen, overflow screen, and any other screened openings shall be checked to be in a satisfactory condition to prevent birds, insects and other possible contaminants from entering the facility. Where the integrity of the reservoir is compromised, work shall cease and the Superintendent shall be advised.

Any material required to be in the operating storage facility after the cleaning procedure has been completed shall be clean and sanitary when placed in the facility. In such instances, care shall be taken to minimise the introduction of dirt or other foreign material.

Following flushing, the reservoir shall be disinfected.

4.0 DISINFECTION

All mains shall be disinfected following swabbing and flushing using sodium hypochlorite solution.

4.1 Sodium Hypochlorite

The sodium hypochlorite solution shall meet the specification shown in Table 3 and a certificate showing compliance with this specification shall be obtained from the supplier and provided to the Superintendent.

Table 3. Specification for Sodium Hypochlorite

Description	Specification
General	Pale, yellow-green liquid, containing no large lumps, crystals or foreign matter
Available chlorine	>12.5% w/v
Free alkalinity	0.5 to 1.0% w/v

Insoluble matter	<0.5% w/w
Cadmium	<2.5 mg/kg
Mercury	<250 mg/kg
Iron	<750 mg/kg
Nickel	<50 mg/kg

4.2 Mains Disinfection Procedure

The disinfectant shall be added to the water main via a suitable injection point just downstream (within 3 m) of the connection of the new main to the existing main – a hydrant is a suitable injection point.

The disinfectant shall be discharged from the end of the water main via a suitable discharge point with a portable flow meter to measure discharge flow – a hydrant or other suitable control valve is a suitable discharge point.

The disinfectant shall be injected into the main when there is a known water flow measured using the discharge flow meter, which shall be adjusted to match the disinfectant dose.

The flow of disinfectant into the new main shall be calculated to achieve a minimum continuous residual of at least 5 mg/L of chlorine. The injection of the disinfectant shall be terminated when the free chlorine residual in the discharge water is 5 mg/L or greater. The disinfected new main shall be isolated from the existing supply to prevent backflow during the contact period by closing the control valve.

The free chlorine residual and pH shall be measured at 15 minute intervals. If the free chlorine residual has dropped below 3 mg/L within 15-30 minutes, repeat the chlorine dosing procedure. If the rate of chlorine decay is still unacceptable, repeat the mains swabbing and flushing procedure.

The pH shall be between 6.5 and 7.5 for effective disinfection. If pH correction is required the chemical and procedure shall be submitted to the Superintendent for approval.

The disinfectant must stay in the new main for a minimum contact time of at least 1 hour to achieve a minimum C.t value (see Table 4) based on the lowest free chlorine residual during the disinfection period.

Table 4: Minimum Chlorine Residual/Contact Time for Disinfection

Free Chlorine Residual after Contact Time (mg/L)	Minimum Contact Time (hours)
5.0 or greater	1
4.0	1.25
3.0	1.7
2.5	2
2.0	2.5

Source: WSA

4.3 Reservoir Disinfection Procedure

The volume of sodium hypochlorite shall be calculated to achieve 50 mg/L in 5 percent of the total reservoir volume.

The calculated volume of sodium hypochlorite shall be added to the reservoir with potable water until the storage is approximately 5 percent of the total storage volume. The actual volume of the 50 mg/L solution shall be such that, after the solution is mixed with filling water and the storage facility is held full for 24 hours, there will be a free-chlorine residual of not less than 2 mg/L.

This solution shall be held in the reservoir for a period of not less than 6 hours. The reservoir shall then be filled to the overflow level by adding potable water into the highly chlorinated water.

The chlorinated water shall be left for a period of not less than 24 hours and the free chlorine measured in accordance at the top, middle and bottom of the reservoir. If any of these samples contains less than 2 mg/L, the reservoir disinfection procedure shall be repeated.

All highly chlorinated water shall then be purged from the scour outlet. Following this procedure and subject to satisfactory bacteriological testing and acceptable aesthetic quality, the remaining water may be delivered to the distribution system.

5.0 WATER SAMPLING AND TESTING

Sampling and testing of each section of main shall be carried out following disinfection. Samples shall be analysed by an independent National Association of Testing Authorities (NATA) registered laboratory.

5.1 Sampling

To ensure adequate representation of the water quality in the main is tested, water samples are required at the nearest point to the midpoint and/or dead end of the main. If the main is greater than 500m in length, a sampling regime demonstrating adequate representation of water quality across the entire new main shall be prepared and submitted to the Superintendent for approval. The plan shall consist of a network diagram that has the start/end of the main with the intended sampling points marked on it.

Samples shall also be collected from the reservoirs at Cumnock and Yeoval. Samples from reservoirs shall be collected from the top, bottom and middle of each reservoir.

A representative sample from the Gidley St Reservoir in Molong shall be collected to compare water quality parameters.

Samples shall be collected in bottles supplied by the laboratory containing the required preservatives. Samples shall be collected in accordance with the laboratory procedures and chain of custody documentation completed. Samples shall be delivered to the courier at the required temperature and within the required time from sample collection with the chain of custody documentation.

5.2 Analysis and Acceptance

Samples shall be analysed for the parameters in Table 5. A report on the analysis shall be provided to the Superintendent for acceptance. No customers are to connect the potable plumbing on their property until acceptance has been provided.

If the analysis does not meet the acceptance limits in Table 5, the following rectification shall be undertaken:

- Physical parameters: Flush main or reservoir in accordance with Clause 3.0 and resample until acceptable results are achieved
- Chemical parameters: Flush main or reservoir in accordance with Clause 3.0 and resample until acceptable results are achieved
- E. coli: Disinfect main or reservoir in accordance with Clause 4.06.0 and resample until acceptable results are achieved.

Table 5: Water Quality Acceptance Limits

Parameter	Unit	Limit
Physical		
pH	-	>6.5 and <8.5
True Colour	HU	<10
Turbidity	NTU	≤1
Electrical Conductivity	µS/cm	Gidley St sample ±50
Chemical		
Free Chlorine	mg/L	>0.2
Microbiological		
<i>E. coli</i>	cfu/100mL	<1

6.0 WORKS EXECUTION

6.1 Notification to Residents and Businesses by Council

Cabonne Council will prepare and distribute a letter of notification to residents and businesses affected by mains cleaning works prior to any mains cleaning being undertaken.

Cabonne Council will also advise residents and businesses of the mains pigging project prior to the mains cleaning being undertaken on:

- Council's web site:
- Local radio
- Local newspaper

6.2 Notification to Residents and Businesses by the Contractor

The Contractor shall ensure that all residents and businesses affected by specific stages of the works, including those that may be unduly affected by noise, are notified at least 48 hours prior to the commencement of work.

The superintendent may instruct the Contractor to deliver letters to specific residences or businesses 48 hours prior to work commencing where specific works or access will be required. This letter must show the date that access is required and a general description of the Works that are to be undertaken.

The letter shall be submitted to the Superintendent three business days prior to the letter being issued. The form and content of the notification shall be approved by the Superintendent.

Immediately prior to commencing mains cleaning, the Contractor shall liaise with any critical water customers to rediscuss requirements for temporary water supply during cleaning.

In the event that the Contractor finds dispute with the property owner and/or the owners' wishes, work shall cease and the matter shall be immediately referred to the Superintendent.

If the work does not commence as per the notice then a further notice shall be issued. The Contractor shall keep a record of the letter deliveries.

6.3 Isolation of the Water Network

The Contractor shall isolate sections of the water supply network that may be impacted by the pigging process in consultation with Cabonne Council water operation staff.

6.4 Customer Complaints

The Contractor shall maintain a record of any complaints received from the Principal, landowners or the public. This will also include documentary evidence that complaints have been addressed and attended to, to the satisfaction of the Superintendent. All complaints must be discussed with the Superintendent without delay.

A summary sheet of the complaint register shall be provided to the Superintendent upon request and at each site meeting.

The Superintendent shall be notified of the circumstances in writing within one day by the Contractor if any complaint is unresolved after 7 working days.

6.5 Disputes with Property Owners

Under no circumstances shall the Contractor enter into an argument, or be aggressive in any way with the property owner.

The Superintendent shall be notified immediately when there are any concerns or demands by the property owner that, in the Contractor's opinion, the Contractor cannot reasonably satisfy.

The Superintendent shall perform negotiations with the property Owner upon notification from the Contractor or the property owner. The Contractor shall not enter into any discussion with the property owner once the Contractor notifies the Superintendent that the Contractor is unable to resolve the issue to the satisfaction of the Property owner.

6.6 Precautions in Carrying Out Works

The Contractor and any engaged, approved sub-contractor shall comply with all requirements under the Acts, Regulations, Ordinances, by-Laws, Orders and Rules and any other special requirements of proper authorities, concerning storage, transport and use of materials, plant, equipment, work processes and safety precautions.

Where any current Australian Standard is appropriate to storage, transport and use of materials, plant and equipment, to work processes or to safety precautions, the provisions of such Standard shall be observed except if they conflict with any statutory or special requirements of proper authorities, in which case, the latter shall apply.

In the absence of any such statutory or special requirements or relevant Australian Standard, the Contractor and all sub-contractors shall ensure that suitable procedures are observed and all normal and proper care is taken.

6.7 Avoidance of Damage

The Contractor shall take every precaution to ensure that as little damage as possible is done to any structure, land, crops, gardens, fences, walls, gates, pipes, drains, watercourses or other things which may be encountered or interfered with during the course of the works, and on completion of the works shall immediately restore the same as far as possible to their original condition and make good and repair or renew all such as may have been damaged at their expense to the satisfaction of the property owner and Council.

6.8 Contractors Neglect

If in the opinion of the Superintendent, the Contractor has neglected to execute and fully complete the works in any section (including cleaning up and making good) within reasonable time or in executing such work has caused unnecessary damage and the Superintendent shall so certify, the Contractor shall be liable to repay, to the Council, all claims for landowners' or tenants' damage to which Council may become liable by reason thereof.

7.0 SAFETY

7.1 Risk Assessment

Before site work commences the Contractor will submit to the Superintendent a risk assessment undertaken in accordance with the "How to manage work health and safety risks" code of practice as issued by WorkSafe NSW or SafeWork Australia.

For each work site, a new site-specific risk assessment will be undertaken to address the risks that are particular to that site. When undertaking site-specific risk assessment, major issues to be considered should include:

- Impact of dirty water on water users
- Impact of water supply interruptions on water users
- Sediment and erosion control
- Likelihood of property damage and flooding
- Plant to be used on site
- Traffic management
- Public safety
- Sight distances

7.2 Safety of Personnel

The Contractor shall, at all times, take all necessary precautions for the safety of their employees, and shall comply with all statutory requirements, including SafeWork NSW directions, and with such directions as the Superintendent may serve from time to time.

The Contractor shall ensure that all persons employed on the works site are issued with and wear approved personal protective equipment.

7.3 Traffic Control

The Contractor is responsible for traffic control and shall ensure the safe, convenient movement of all pedestrians and vehicular traffic at each location.

Where mains cleaning operations are within 3m of the road carriageway, traffic shall be controlled in accordance with a Traffic Control Plan (TCP) prepared using the current version of the RMS Traffic Control at Work Sites Manual. Where isolation valves are in the road or on median strips, extreme care must be taken in crossing the carriageway, and in controlling the traffic. Where water must run across a carriageway, ensure that traffic is slowed to prevent skidding, splashing etc. Where pedestrians are impacted by the scoured water, the Contractor shall install temporary barriers to form a segregated pathway to keep pedestrians away from traffic and away from the possibility of being splashed.

Prior to any mains cleaning impacting traffic or pedestrians, the Contractor shall submit a TCP prepared and authorised by a person with the appropriate qualifications required (Select/Modify TCP - Red Card, Design and Inspect TCP- Orange Card). Work shall not proceed until the provisions of the TCP are in place.

Traffic controllers shall be trained and accredited. Works shall be signed in accordance with the TCP.

All Traffic Controllers shall wear identification that clearly shows the authorisation of the Roads Authority, in accordance with the Roads Act, 1993.

Contractors should note that they require RMS approval if traffic control is required on State Roads.

7.4 Chemicals

Chlorine disinfectants, chlorine neutralising agents and pH adjustment chemicals are harmful substances. Manufacturer's specification and Safety Data Sheets must be followed when using, storing, handling, etc

8.0 ENVIRONMENTAL

8.1 Disposal of Water

Disposal of water during the cleaning or disinfection stages will be the responsibility of the Contractor.

Should disposal of chlorinated water be required, attention shall be taken to the receiving environment. Use of neutralising agents should be considered. All water released to the environment must comply with Environmental Protection Authority (EPA) guidelines and other relevant regulations.

8.2 Sediment and Erosion Control

The Contractor is to use hoses, if appropriate, to carry water to suitable discharge point. The contractor is to use silt fences or sandbags to prevent erosion around discharge points as required.

8.3 Disposal of Materials

The Contractor is required to clean up and dispose of all surplus materials and rubbish on completion of works. Cost associated with disposal of all materials shall be at the Contractor's expense. Construction equipment and plant will be removed from the works site.

8.4 Noise

The Contractor shall conduct their operations such that noise and other objectionable nuisance associated with the works are minimised. In this regard, the Contractor shall:

- When practical, use electric power for equipment and machinery
- Provide effective mufflers and sound absorbing enclosures for all engines and compressors
- Keep all equipment properly greased and guarded
- Only allow work between 7.00am – 5.00pm Monday to Friday and 7.00am – 12.00 noon Saturday. The Contractor shall gain permission to undertake works on a Saturday.

Where, in the opinion of the Superintendent, operations are such as to warrant reasonable complaints on account of noise or other operation, work will cease until such time as the situation is attended to.

9.0 WORKS ACCOMMODATION AND SERVICES

9.1 Works Accommodation

The Contractor shall provide adequate accommodation and facilities for their workforce.

9.2 Water

Under no circumstances shall water be taken from private services without the prior written consent of the owners or occupants of the property.

9.3 Sanitary Accommodation

If sanitary facilities are not readily available the Contractor shall provide adequate, approved temporary toilets (of the chemical closet type) for the use of workers employed on the site. Such toilets shall be kept clean, tidy and disinfected until completion of the works whereupon they shall be removed and the area reinstated to the satisfaction of the Superintendent. Under no circumstance shall the Contractor enter the residence.

9.4 Power

Should generating plant be required by the Contractor for the supply of electric power, such equipment shall be supplied, operated and maintained by the Contractor at its own cost.

10.0 SITE INFORMATION SUPPLIED BY THE PRINCIPAL

10.1 Site Conditions

The information made available by the Principal does not completely show the existing site conditions. The Principal is not responsible for any interpretation, deductions and conclusions made by the Contractor from the information made available and the Contractor shall accept full responsibility for any such interpretations, deductions or conclusions.

10.2 Indemnity

If the Contractor supplies to anyone else, including a subcontractor any information supplied by the Principal, the Contractor shall indemnify the Principal against any claim by that person arising out of errors or omissions or the misleading nature of the advice.



APPENDIX A MOLONG TO YEOVAL WATERMAIN WORK AS EXECUTED DRAWINGS



Cumnock & Yeoval Water Mains Disinfection Technical Specification



APPENDIX B CUMNOCK TOWNSHIP WATER SUPPLY NETWORK

Item	Easting (m)	Southing (m)	Height (m AHD)	Description
1	664146	6356430	497.254	AIR VALVE
2	664118.7	6356181	495.44	AIR VALVE
3	664117.5	6356181	495.468	STOP VALVE
4	664109.4	6356064	496.173	UNCLASSIFIED WATER
5	664066.8	6355991	496.537	HYDRANT
6	664080.4	6356054	496.347	HYDRANT
7	664067.2	6355931	496.934	HYDRANT
8	664067.4	6355882	497.351	WATER MARKER
9	664067.4	6355880	497.294	WATER MARKER
10	664067.5	6355868	497.627	HYDRANT
11	664069.2	6355706	499.543	STOP VALVE
14	664092.5	6355704	499.481	HYDRANT
15	664101.3	6355763	499.098	HYDRANT
16	664096.3	6355811	498.511	HYDRANT
18	664017.9	6355702	499.196	HYDRANT
19	664202.8	6355687	500.762	STOP VALVE
20	664202.1	6355687	500.793	STOP VALVE
21	664215.7	6355681	501.16	STOP VALVE
22	664206.3	6355723	500.173	HYDRANT
23	664216.3	6355787	499.595	HYDRANT
24	664231.7	6355678	501.53	HYDRANT
25	664294.8	6355668	503.036	HYDRANT
26	664281.8	6355670	502.648	STOP VALVE
27	664361.5	6355657	504.841	HYDRANT
28	664424.4	6355647	506.597	HYDRANT
29	664466.2	6355640	508.279	WATER MARKER
32	664522.5	6355631	511.35	HYDRANT
33	664577.7	6355622	513.885	HYDRANT
34	664232.2	6355499	504.228	HYDRANT
35	664234.1	6355499	504.272	STOP VALVE
36	664249.2	6355476	505.066	STOP VALVE
37	664248.9	6355475	505.06	STOP VALVE
38	664216.7	6355324	509.728	STOP VALVE
39	664216	6355324	509.783	HYDRANT
40	664143.7	6355335	505.585	HYDRANT
41	664143.7	6355335	505.562	HYDRANT
42	664139.1	6355336	505.442	HYDRANT
43	664136.5	6355337	505.322	WATER MARKER
44	664121.8	6355344	504.475	STOP VALVE

Item	Easting (m)	Southing (m)	Height (m AHD)	Description
45	664030.7	6355356	503.129	STOP VALVE
46	664033.6	6355353	503.056	HYDRANT
47	664029.9	6355335	503.362	HYDRANT
48	664034.8	6355342	503.012	UNCLASSIFIED WATER
49	664125.6	6355368	504.118	HYDRANT
50	664129.6	6355378	504.022	UNCLASSIFIED WATER
51	664146.9	6355487	502.798	STOP VALVE
52	664145.6	6355490	502.817	HYDRANT
53	664133.7	6355502	502.325	UNCLASSIFIED WATER
54	664071.6	6355511	501.41	STOP VALVE
55	664149.5	6355515	502.505	STOP VALVE
57	664156	6355555	502.189	HYDRANT
58	664167.6	6355625	501.399	HYDRANT
59	664173.8	6355652	500.877	UNCLASSIFIED WATER
60	664166.4	6355510	502.728	STOP VALVE
61	664051.8	6355515	500.806	STOP VALVE
62	664057.8	6355528	500.915	HYDRANT
63	664062	6355550	500.776	WATER MARKER
64	664069	6355587	500.557	HYDRANT
65	664071.7	6355600	500.421	WATER MARKER
66	664079.1	6355637	500.236	HYDRANT
67	664083.8	6355679	499.698	UNCLASSIFIED WATER
68	664034.4	6355529	500.533	STOP VALVE
69	664032.7	6355516	500.864	STOP VALVE
70	664002	6355237	503.27	STOP VALVE
71	664002.3	6355235	503.261	STOP VALVE
72	664004.5	6355236	503.457	STOP VALVE
73	664001.4	6355236	503.03	UNCLASSIFIED WATER
74	664026.7	6355227	504.026	HYDRANT
75	664020	6355232	503.806	AIR VALVE
76	664027.8	6355261	503.87	WATER MARKER
77	664027.8	6355281	503.642	STOP VALVE
79	664029.2	6355311	503.469	WATER MARKER
80	664029.2	6355312	503.451	WATER MARKER
82	664031.6	6355390	502.611	HYDRANT
83	664042.6	6355451	501.867	HYDRANT
84	664046.3	6355485	501.199	UNCLASSIFIED WATER

Item	Easting (m)	Southing (m)	Height (m AHD)	Description
87	664051.6	6355031	505.91	STOP VALVE
88	664079.7	6355049	505.655	STOP VALVE
89	664063.6	6355059	505.596	STOP VALVE
90	664047.1	6355100	505.062	HYDRANT
91	664044.6	6355118	504.721	HYDRANT
92	664047	6355118	505.096	AIR VALVE
93	664039.6	6355119	504.691	STOP VALVE
94	664036	6355133	504.4	STOP VALVE
95	664026.5	6355156	503.948	HYDRANT
96	664030.8	6355097	504.933	STOP VALVE
97	663960.3	6355068	505.277	HYDRANT
98	664016.5	6355048	505.608	HYDRANT
99	664100	6355048	506.074	HYDRANT
100	664130.4	6355041	506.32	STOP VALVE
101	664162.6	6355037	503.94	STOP VALVE
102	664198.7	6355028	506.969	STOP VALVE
103	664210.9	6355028	507.847	HYDRANT
104	664285.6	6355015	508.657	HYDRANT
105	664392.1	6354996	510.682	STOP VALVE
106	664638.6	6354953	518.709	HYDRANT
107	664754.7	6354932	525.716	HYDRANT
109	664846.1	6354916	530.597	AIR VALVE
110	664975.3	6354894	528.73	HYDRANT
111	664243.2	6354826	509.089	HYDRANT
112	664243.7	6354826	509.085	STOP VALVE
113	664204.8	6354835	508.531	HYDRANT
114	664092.6	6354831	508.486	STOP VALVE
115	664084.1	6354843	507.834	STOP VALVE
116	664070.9	6354832	508.217	STOP VALVE
117	664069	6354833	508.348	UNCLASSIFIED WATER
118	664070.1	6354830	508.156	UNCLASSIFIED WATER
119	664072.4	6354813	508.321	STOP VALVE
120	664074	6354797	508.472	HYDRANT
121	664092.6	6354749	509.135	AIR VALVE
122	664081.5	6354728	509.345	HYDRANT
123	664087.2	6354812	508.152	STOP VALVE
124	664018.3	6354810	508.288	HYDRANT
125	663969.6	6354793	509.161	HYDRANT
126	663849.3	6355040	506.659	UNCLASSIFIED WATER
127	663885.3	6355096	505.185	STOP VALVE
128	663883.3	6355096	505.246	HYDRANT
129	663879.7	6355097	505.035	STOP VALVE
130	663829.2	6355116	505.494	HYDRANT

Item	Easting (m)	Southing (m)	Height (m AHD)	Description
131	663773	6355136	506.074	HYDRANT
132	663719.1	6355156	507.083	HYDRANT
133	663689.9	6355154	508.209	WATER MARKER
134	663691.1	6355154	508.218	STOP VALVE
135	663669.8	6354959	516.1	HYDRANT
136	663661	6354980	515.685	WATER MARKER
137	663648.9	6355009	514.878	HYDRANT
138	663621.1	6355074	512.665	HYDRANT
139	663598.8	6355126	510.662	HYDRANT
140	663600.5	6355122	510.796	STOP VALVE
141	663600.7	6355121	510.851	STOP VALVE
142	663231.2	6355258	505.429	HYDRANT
143	663414.8	6355230	506.369	UNCLASSIFIED WATER
144	663414.7	6355231	506.358	STOP VALVE
145	663449.9	6355223	507	HYDRANT
146	663561.6	6355205	507.32	HYDRANT
147	663588.3	6355196	507.573	STOP VALVE
148	663587.6	6355195	507.51	STOP VALVE
149	663730.7	6355168	506.945	STOP VALVE
150	663765.4	6355320	502.145	UNCLASSIFIED WATER
164	664027.8	6355271	503.685	HYDRANT
165	664043.9	6355342	503.14	STOP VALVE
44600	664050	6355035	505.7	PM
111367	664493.2	6355620	509.74	PM



APPENDIX C YEOVAL TOWNSHIP WATER SUPPLY NETWORK

Item	Easting (m)	Southing (m)	Height (m AHD)	Description
1	654394.2	6374755	387.017	HYDRANT
2	654349.4	6374711	386.801	HYDRANT
3	654347.9	6374715	386.445	STOP VALVE
4	654311	6374672	386.18	STOP VALVE
5	654294.9	6374629	386.735	STOP VALVE
6	654295	6374629	386.733	STOP VALVE
7	654295.5	6374629	386.768	HYDRANT
8	654342.7	6374597	388.004	STOP VALVE
9	654402.6	6374610	389.104	STOP VALVE
10	654401.6	6374610	389.052	HYDRANT
11	654491.4	6374607	390.68	STOP VALVE
12	654531.4	6374655	390.89	STOP VALVE
13	654533.4	6374654	390.89	STOP VALVE
14	654533.7	6374655	390.836	HYDRANT
15	654528.9	6374657	390.664	HYDRANT
16	654528.5	6374657	390.613	STOP VALVE
17	654484.9	6374689	389.409	WATER MARKER
18	654461.7	6374706	388.811	HYDRANT
26	654362.5	6374734	386.474	SEWER MANHOLE
27	654336.2	6374801	385.295	UNCLASSIFIED PIT
28	654254.3	6374865	382.546	WATER MARKER
29	654204.5	6374940	380.397	STOP VALVE
30	654201.6	6374941	380.392	WATER MARKER
31	654178.6	6374958	380.092	UNCLASSIFIED PIT
32	654169.5	6374963	380.018	HYDRANT
33	654129.8	6374989	379.763	WATER MARKER
34	654099.3	6375008	379.214	WATER MARKER
35	654098.4	6375009	379.189	HYDRANT
36	654230.6	6374920	381.016	HYDRANT
37	654223.4	6374926	380.844	STOP VALVE
38	654238.3	6374914	381.331	WATER MARKER
39	654248.8	6374906	381.727	WATER MARKER
40	654254.6	6374901	382.035	WATER MARKER
41	654267.7	6374890	382.275	WATER MARKER

Item	Easting (m)	Southing (m)	Height (m AHD)	Description
42	654273.6	6374886	382.441	WATER MARKER
43	654294.7	6374868	383.094	HYDRANT
44	654310	6374855	383.696	WATER MARKER
45	654317.1	6374849	383.849	WATER MARKER
46	654330.1	6374839	384.327	WATER MARKER
47	654344.4	6374827	384.817	WATER MARKER
48	654352.9	6374820	385.11	HYDRANT
49	654383.2	6374796	386.281	WATER MARKER
50	654384	6374796	386.276	STOP VALVE
51	654427	6374847	386.069	UNCLASSIFIED PIT
52	654419.3	6374904	385.07	WATER MARKER
53	654438	6374894	385.591	HYDRANT
54	654484.4	6374855	386.478	HYDRANT
55	654530.6	6374817	387.833	UNCLASSIFIED PIT
56	654539.6	6374810	388.073	HYDRANT
57	654540.7	6374809	388.069	WATER MARKER
58	654600.1	6374759	389.706	HYDRANT
59	654610.7	6374751	389.951	STOP VALVE
60	654658.6	6374711	391.605	HYDRANT
61	654711.8	6374667	393.358	WATER MARKER
62	654729.5	6374653	393.999	HYDRANT
63	654732.4	6374597	395.219	HYDRANT
64	654708.2	6374567	395.554	STOP VALVE
65	654687.1	6374543	396.025	STOP VALVE
66	654652.5	6374566	395.059	HYDRANT
67	654584.4	6374615	392.656	HYDRANT
68	654582.6	6374617	392.601	WATER MARKER
69	654698.7	6374540	395.951	STOP VALVE
72	654761.5	6374653	394.238	STOP VALVE
73	654761.8	6374654	394.114	STOP VALVE
74	654641.4	6374754	390.284	STOP VALVE
75	654642.2	6374755	390.223	STOP VALVE
76	654693.7	6374817	388.538	SEWER MANHOLE
77	654705.7	6374865	387.51	HYDRANT
78	654652.5	6374801	388.618	HYDRANT

Item	Easting (m)	Southing (m)	Height (m AHD)	Description
79	654633.1	6374778	389.335	WATER MARKER
82	654572.9	6374811	388.044	STOP VALVE
83	654506.8	6374865	386.521	UNCLASSIFIED PIT
84	654505.9	6374867	386.496	STOP VALVE
85	654505.6	6374867	386.503	STOP VALVE
86	654711.8	6374921	386.05	HYDRANT
90	654504.1	6374969	385.499	HYDRANT
91	654478.5	6374969	384.994	STOP VALVE
92	654476.7	6375039	384.43	STOP VALVE
93	654476.7	6375040	384.441	HYDRANT
96	654660.9	6375110	381.563	STOP VALVE
97	654658.4	6375110	381.491	HYDRANT
98	654654.4	6375163	380.332	STOP VALVE
99	654597.9	6375109	382.378	WATER MARKER
100	654594.8	6375109	382.459	WATER MARKER
101	654592.3	6375109	382.477	HYDRANT
102	654521	6375107	384.021	HYDRANT
103	654477.9	6375107	383.969	STOP VALVE
104	654449.4	6375136	384.062	HYDRANT
105	654450	6375101	383.812	WATER MARKER
107	654451.1	6375039	384.409	WATER MARKER
108	654451.6	6375026	384.515	WATER MARKER
109	654452.3	6374987	384.744	UNCLASSIFIED PIT
111	654366.8	6374985	383.417	UNCLASSIFIED PIT
112	654358.6	6374995	383.01	STOP VALVE
113	654354.6	6374997	382.978	STOP VALVE
114	654310.4	6375028	381.787	STOP VALVE
115	654310.3	6375029	381.792	STOP VALVE
116	654285.9	6375042	381.087	STOP VALVE
117	654285.3	6375042	381.024	STOP VALVE
118	654286.7	6375042	381.128	UNCLASSIFIED PIT
119	654277	6375026	380.947	STOP VALVE
120	654234.5	6374988	380.705	STOP VALVE
121	654261.9	6374966	381.295	STOP VALVE
122	654259.2	6374967	381.163	STOP VALVE
123	654300.7	6375007	381.734	HYDRANT
124	654359.3	6374959	383.491	HYDRANT
125	654356.7	6374961	383.387	STOP VALVE

Item	Easting (m)	Southing (m)	Height (m AHD)	Description
126	654073.6	6375071	378.567	STOP VALVE
127	654137	6375189	378.998	HYDRANT
128	654130.8	6375183	378.976	STOP VALVE
129	654148.5	6375134	379.319	HYDRANT
130	654187.4	6375250	379.527	HYDRANT
131	654235	6375307	382.237	HYDRANT
132	654248.7	6375324	383.53	WATER MARKER
133	654257.1	6375333	383.902	STOP VALVE
134	654260.7	6375298	381.89	UNCLASSIFIED PIT
135	654278.4	6375359	384.329	HYDRANT
136	654193.8	6375474	385.459	STOP VALVE
137	654195.1	6375471	385.726	STOP VALVE
138	654195.5	6375470	385.768	STOP VALVE
139	654223.8	6375504	386.446	STOP VALVE
140	654225.8	6375511	386.196	HYDRANT
141	654232.7	6375520	385.913	WATER MARKER
142	654256.7	6375548	385.069	WATER MARKER
143	654271.9	6375566	384.175	HYDRANT
144	654293	6375591	383.269	WATER MARKER
145	654319.9	6375624	381.496	HYDRANT
146	654337.6	6375646	379.954	STOP VALVE
147	654334.7	6375654	379.913	STOP VALVE
148	654334.1	6375656	379.869	STOP VALVE
149	654216.4	6375459	386.62	HYDRANT
150	654245.1	6375435	387.73	WATER MARKER
151	654274.5	6375411	387.266	HYDRANT
152	654303.6	6375389	385.532	UNCLASSIFIED PIT
153	654302.1	6375388	385.53	STOP VALVE
154	654302.9	6375388	385.533	STOP VALVE
155	654336.9	6375429	383.583	HYDRANT
156	654382.2	6375485	381.995	HYDRANT
157	654417.4	6375526	380.051	STOP VALVE
158	654436.5	6375393	384.269	HYDRANT
159	654391.3	6375435	382.244	STOP VALVE
160	654367.5	6375334	383.894	HYDRANT
161	654380.2	6375324	384.229	HYDRANT
162	654394.1	6375312	384.322	STOP VALVE
163	654446.2	6375296	385.729	STOP VALVE
164	654446.2	6375296	385.746	HYDRANT
167	654471.6	6375306	385.668	HYDRANT

Item	Easting (m)	Southing (m)	Height (m AHD)	Description
168	654471.5	6375296	385.749	STOP VALVE
169	654552.4	6375249	383.392	WATER MARKER
170	654621.1	6375243	380.071	UNCLASSIFIED PIT
171	654620.4	6375244	380.218	STOP VALVE
172	654619.8	6375244	380.223	STOP VALVE
173	654633.1	6375221	380.083	STOP VALVE
174	654634.3	6375219	380.065	HYDRANT
175	654572.2	6375219	382.633	UNCLASSIFIED PIT
176	654565.3	6375219	383.176	STOP VALVE
177	654474.1	6375217	385.591	STOP VALVE
178	654473.1	6375215	385.499	HYDRANT
179	654380.1	6375290	383.954	STOP VALVE
180	654164.6	6375438	384.327	HYDRANT
181	654153.2	6375425	383.995	STOP VALVE
182	654125.3	6375391	383.231	STOP VALVE
183	654126.7	6375393	383.271	WATER MARKER
184	654125.9	6375392	383.246	HYDRANT
185	654132.1	6375389	383.889	STOP VALVE
186	654432.7	6375247	384.767	STOP VALVE
187	654242.6	6375056	380.022	STOP VALVE
188	654245.5	6375053	380.108	HYDRANT
189	654395.1	6375599	379.128	HYDRANT
190	654302.9	6375676	379.498	HYDRANT
191	654270.4	6375709	378.659	STOP VALVE
192	654251.7	6375718	379.135	STOP VALVE
193	654192.5	6375647	382.782	HYDRANT
194	654148	6375629	381.967	STOP VALVE
195	654237.3	6375734	378.72	STOP VALVE
196	654237.3	6375735	378.682	STOP VALVE
197	654222.3	6375742	379.138	STOP VALVE
198	654223.4	6375742	378.918	HYDRANT
199	654096.6	6375901	375.65	STOP VALVE
200	654097.8	6375901	375.62	STOP VALVE
202	654613.4	6375298	379.308	HYDRANT
203	654619.7	6375325	378.659	WATER MARKER
204	654614.3	6375323	378.684	WATER MARKER
205	654653.7	6375163	380.321	STOP VALVE
206	654654.3	6375163	380.329	STOP VALVE
207	654697.9	6374973	384.776	STOP VALVE
208	654589.5	6375685	375.88	STOP VALVE
209	654578	6375677	375.997	STOP VALVE

Item	Easting (m)	Southing (m)	Height (m AHD)	Description
216	654801.4	6376126	381.128	HYDRANT
217	655051.9	6376161	384.17	HYDRANT
218	655287	6376121	380.901	HYDRANT
219	655382	6376130	380.414	HYDRANT
220	655523.4	6376148	379.975	WATER MARKER
221	655420	63UNCLASSIFIED PIT44.597	390.479	HYDRANT
222	655426.9	63UNCLASSIFIED PIT43.085	390.192	STOP VALVE
225	655255.8	63UNCLASSIFIED PIT72.187	392.347	HYDRANT
226	655169.7	63UNCLASSIFIED PIT87.16	390.502	HYDRANT
227	655072.1	6376504	389.239	HYDRANT
228	654986.8	6376525	387.883	HYDRANT
229	654986.6	6376524	387.826	STOP VALVE
230	654988.3	6376529	388.031	STOP VALVE
231	654985.7	6376520	387.859	STOP VALVE
232	654973	63UNCLASSIFIED PIT96.154	387.312	STOP VALVE
235	654826	6376522	385.23	HYDRANT
236	654529.6	6376522	377.527	HYDRANT
238	654522.6	63UNCLASSIFIED PIT67.212	378.324	HYDRANT
239	654508.1	6376353	378.375	HYDRANT
240	654497.5	6376267	379.312	HYDRANT
241	654497.4	6376266	379.277	STOP VALVE
244	654651.4	6376613	379.407	STOP VALVE
245	654631.2	6376615	378.659	STOP VALVE
246	655016.8	6376589	388.498	HYDRANT
247	655050.8	6376661	388.331	HYDRANT
248	655144.9	6376717	388.613	HYDRANT
249	655093	6376751	387.248	HYDRANT
250	655222.8	6376704	389.074	HYDRANT
251	655301.3	6376690	389.942	HYDRANT
252	655371.3	6376677	390.086	HYDRANT
253	655453.7	6376664	389.918	HYDRANT
254	655158.5	6376892	383.29	HYDRANT
255	655157.5	6376891	383.356	STOP VALVE
256	655131.3	6376834	384.769	HYDRANT
257	654840.9	6376211	383.292	HYDRANT
258	654836.7	6376199	383.173	STOP VALVE
259	654961.9	6376178	385.688	HYDRANT
260	654878.3	6376292	384.193	HYDRANT
261	654951.2	63UNCLASSIFIED PIT48.049	386.026	HYDRANT

Item	Easting (m)	Southing (m)	Height (m AHD)	Description
266	654736.8	6374501	397.51	WATER MARKER POST
267	655078.5	6374229	409.417	GRATED INLET PIT
275	654452.6	6374977	384.795	HYDRANT
276	654580.4	6374971	385.86	HYDRANT
301	654152.8	6374841	380.808	HYDRANT
302	654696	6376091	378.437	HYDRANT
303	654610.8	6376106	377.303	HYDRANT
304	655482.1	63UNCLASSIFIED PIT34.285	388.576	HYDRANT
305	655565.8	63UNCLASSIFIED PIT18.984	386.633	HYDRANT
308	654518.6	63UNCLASSIFIED PIT35.556	378.382	HYDRANT
310	654057.4	6375246	378.599	HYDRANT
311	654057.1	6375244	378.541	HYDRANT
23625	654446.7	6375336	385.326	SSM
73497	654984.8	6376523	387.733	PM
104737	654790.3	6374627	395.051	PM



CABONNE COUNCIL

CONTRACT No. 1193978

LUMP SUM CONTRACT

for the

**Cumnock and Yeoval Water Mains
Disinfection**

TENDER SUBMISSION DOCUMENTS

**PREPARED BY:
Cabonne Council
DATE: December 2020**

NOMINATION OF REQUIRED TENDER SUBMISSIONS

All Submitted information will be treated as confidential

TENDER FORMS AND DECLARATIONS

1. Tender Form
2. NOT USED
3. Bill of Quantities
4. Rates for Activities Outside the Scope of Works
 - 4.1. Hourly Rates
 - 4.2. Plant and Equipment Rates
5. Tenderer's Particulars – Current Commitments
6. Tenderer's Particulars – Prior Termination of Project(s)
7. Tenderer's Particulars – Project History
8. Tenderer's Particulars - Personnel
9. Register of Tenderer's Subcontractors and Suppliers
10. Statutory Declaration on Non-Collusive Tender Submission
11. Conflict of Interest Form
12. Acquaintance with Site
13. Receipt of Addenda
14. Statement of Conformance

INSTRUCTION TO TENDERER

The Tenderer shall complete in full and submit the forms in numerical order listed above. The completed forms, declarations and required information shall comprise the Tender Submission Documents, **Initial and date each form at the bottom right hand side of each page.**

COMPLETION OF DOCUMENTS

The omission of / failure to complete the forms listed above may, at the absolute discretion of the Principal, result in a nonconforming tender and be subject to rejection.

TENDERER'S ACKNOWLEDGMENT

Contract: Cumnock and Yeoval Water Mains Disinfection

Contract No: 1193978

Date: _____

Signature of Tenderer: _____

TENDER SUBMISSION FORM 1

TENDER FORM

The Tenderer must complete and submit with Tender submission.
All Submitted information will be treated as confidential

The Contractor *(insert name)*

A.C.N:

A.B.N:

C.I.M.S.:

Contractor's Representative

(Authorised Officer)

Contractor's Address

Phone :

E-mail :

Hereby tenders to:
(the Principal)

Cabonne Council
PO Box 17
Molong, NSW, 2866

To perform the work for tender #. 1193978

Namely

Cumnock and Yeoval Water Mains Disinfection

In accordance with this Tender Form, the Tender Documents, the Technical Specifications and any Notice to Tenderers issued during the Tender period the Contractor agrees to complete the Works for the total amount shown derived from the Schedule of Prices

Amount in words

Amount in figures

Total Tender Price
including GST:

\$

including GST

The Contractor affirms that the Works will be undertaken in accordance with the program submitted and within the total contract period shown.

_____ weeks

Signed for the Contractor by
Name *(in block letters)*

(Authorised Officer)

Date:

In the office bearing capacity of

Witness *(signature)*

Name *(in block letters)*

TENDER SUBMISSION FORM 3

BILL OF QUANTITIES – ALL WORKS UNDER CONTRACT

1. Complete this Schedule and submit it with the Tender Form. The Schedule of Rates shall form the basis for payment under the contract. Costs shall exclude GST which should be added to the subtotal before transferring the total from the bottom of the schedule into the Tender Form.

Item No.	Item Description	Amount (excl. GST)
1.0	Site mobilisation	
1.1	Site Establishment and Disestablishment	\$
2.0	Molong to Yeoval water main swabbing, flushing and disinfection	
2.1	Swabbing of water supply main from Molong to Yeoval	\$
2.2	Flushing of water supply main from Molong to Yeoval	\$
2.3	Disinfection of water supply main from Molong to Yeoval	\$
2.4	Flushing of Cumnock Reservoir	
2.5	Flushing of Yeoval Reservoir	
2.6	Disinfection of Cumnock Reservoir	\$
2.7	Disinfection of Yeoval Reservoir	\$
2.8	Sampling and analysis of water supply mains and reservoirs	
3.0	Existing Cumnock township water main swabbing, flushing and disinfection	
3.1	Swabbing of existing non potable water mains in Cumnock township	\$
3.2	Flushing of existing non potable water mains in Cumnock township	\$
3.3	Disinfection of existing non potable water mains in Cumnock township	\$
3.4	Sampling and analysis of water supply mains	
4.0	Existing Yeoval township water main swabbing, flushing and disinfection	
4.1	Swabbing of existing non potable water mains in Yeoval township	\$
4.2	Flushing of existing non potable water mains in Yeoval township	\$
4.3	Disinfection of existing non potable water mains in Yeoval township	\$
4.4	Sampling and analysis of water supply mains	
	Total excluding G.S.T.	\$
	G.S.T.	\$
	Total including G.S.T. Transfer this total to the Tender Form	\$

Name of Company: _____ Date: _____

Contract	Cumnock and Yeoval Water mains Disinfection		
Contract Number	1193978	Tenderer to Complete	
Council	Cabonne Council	Tenderer's Initial	
Submission Date	12.00 noon Friday 29 January 2021	Date Submitted by Tenderer	

FORM 4 – Rates for Activities Outside the Scope of the Works

Complete schedules 4.1 and 4.2 and submit them with the Tender Form.

The Schedules of Rates will apply to any additional works undertaken as Daywork or Variations to the contract. The Contractor should include rates for all classes of personnel, plant and equipment and materials likely to be employed on the Works.

A variation to the Work under the Contract shall be valued by application of the rates set out in these schedules if and in so far as these rates apply to the work.

The rates for variations shall be fixed and shall not be subject to any adjustment except as provided under the Contract. The rates shall apply equally to the addition and/or deletion of the item or agreed equivalent item of work to or from the Works.

Payment for labour, equipment and materials usage shall be against daily timesheets and other appropriate records signed by the Contractor and the Principal's Representative. Only time engaged in actual work and plant and materials used will be paid.

Tenderers should note that the schedule will be taken into consideration when assessing tenders.

Name of Company: _____ Date: _____

Contract	Cumnock and Yeoval Water mains Disinfection		
Contract Number	1193978	Tenderer to Complete	
Council	Cabonne Council	Tenderer's Initial	
Submission Date	12.00 noon Friday 29 January 2021	Date Submitted by Tenderer	

Schedule 4.1 – Hourly Rates

The following schedule is for all classifications of labour that will be on site.
Rates shall be all inclusive and include for:

- Wages and all allowances including travel time
- Superannuation payments
- Payroll tax, sick and long service leave provisions, annual, public and other holidays including picnic day and any other award condition days of leave, and all statutory on-costs
- Workers Compensation Insurance
- Accommodation, messing and transport
- All Supervision above leading hand level, including home office supervision and overheads
- Motor vehicles, small tools and equipment, consumables and accessories
- Overheads necessary for the proper servicing of the site labour force
- Profit and GST

Item	Award Classification	Ordinary Time	1 ½ Time	2 Time
1				
2				
3				
4				
5				
6				
7				

Signed for the Tenderer: _____ Print Name: _____ Date: _____
(Authorised Officer)

Name of Company: _____ Date: _____

Contract	Cumnock and Yeoval Water mains Disinfection		
Contract Number	1193978	Tenderer to Complete	
Council	Cabonne Council	Tenderer's Initial	
Submission Date	12.00 noon Friday 29 January 2021	Date Submitted by Tenderer	

Schedule 4.2 – Plant and Equipment Rates

The Contractor must include a complete schedule for all Plant and Equipment which will be on the site. The schedule shall show hourly equipment rates and hourly standby rates for both hired and company owned equipment.

In the event that additional equipment, not shown on the schedule, is required for the variation work the Contractor shall, on instruction from the Principal, provide such plant and shall mutually agree to a suitable rate.

The Principal reserves the right to have competitive Quotations called for the supply of hired equipment. Suppliers' invoices shall be presented with all progress claims.

Rates shall include:

- Mobilisation of Plant to site
- Demobilisation of Plant from site
- Depreciation, insurance
- Wear and tear, repairs and maintenance
- Consumables, including fuels, lubricants and spare parts
- All necessary attachments
- Supervision, overhead charges, home office charge if applicable.
- Profit

but shall **EXCLUDE** operators.

Standby rates shall be paid only when the construction plant and equipment is idle **at the direction of the Principal**.

Item	Description	Hourly "A" Rate	Standby "B" Rate
1			
2			
3			
4			
5			
6			

Name of Company: _____ Date: _____

Contract	Cumnock and Yeoval Water mains Disinfection		
Contract Number	1193978	Tenderer to Complete	
Council	Cabonne Council	Tenderer's Initial	
Submission Date	12.00 noon Friday 29 January 2021	Date Submitted by Tenderer	

TENDER SUBMISSION FORM 5

TENDERER'S PARTICULARS - CURRENT COMMITMENTS

The Tenderer must complete and submit with tender
All Submitted information will be treated as confidential

List the current projects your organisation is engaged in or committed to:

1. Project name _____

Client	Contact	Phone number	Contract amount	Estimated Completion (Mth/Yr)

Description of works

2. Project name _____

Client	Contact	Phone number	Contract amount	Estimated Completion (Mth/Yr)

Description of works

3. Project name _____

Client	Contact	Phone number	Contract amount	Estimated Completion (Mth/Yr)

Description of works

Contract	Cumnock and Yeoval Water mains Disinfection		
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TENDER SUBMISSION FORM 6

TENDERER’S PARTICULARS - PRIOR TERMINATION OF PROJECT(S)

The Tenderer must complete and submit with tender
All Submitted information will be treated as confidential

1. Has your organisation ever failed to complete a project ?

No Yes

2. If yes, please provide details.

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TENDER SUBMISSION FORM 7

TENDERER'S PARTICULARS - PROJECT HISTORY

The Tenderer must complete and submit with tender
All Submitted information will be treated as confidential

List the similar projects your organisation has completed in the last 10 years

1. Project name _____

Client	Contact	Phone number	Contract amount	Duration

Description of works

2. Project name _____

Client	Contact	Phone number	Contract amount	Duration

Description of works

3. Project name _____

Client	Contact	Phone number	Contract amount	Duration

Description of works

Contract	Cumnock and Yeoval Water mains Disinfection		
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TENDER SUBMISSION FORM 8

TENDERER'S PARTICULARS - PERSONNEL

The Tenderer must complete and submit with tender
All Submitted information will be treated as confidential

Provide the names of the Project Manager and Site Manager or Responsible Officer in the event of a winning tender.

1. Contractor Project Manager _____

Name	Company Role	Estimated Time Commitment (%)	Years Experience	
			In current firm	prior

Work responsibilities for this Project:

2. Contractor Site Manager _____

Name	Company Role	Estimated Time Commitment (%)	Years Experience	
			In current firm	prior

Work responsibilities for this Project:

3. Design Sub Contractor _____

Name	Company Role	Estimated Time Commitment (%)	Years Experience	
			In current firm	prior

Work responsibilities for this Project:

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TENDER SUBMISSION FORM 9

REGISTER OF TENDERER'S SUBCONTRACTORS AND SUPPLIERS

The Contractor must complete and submit with Tender submission
All Submitted information will be treated as confidential

The Tenderer is instructed to compile a listing below of all Selected Subcontractors and Suppliers which the Tenderer expects to use to execute the Works under the terms of this Contract.

Supplier or Contractor	Telephone No.	Description of work or materials
1.		
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		
11.		
12.		
13.		
14.		
15.		

Contract	Cumnock and Yeoval Water mains Disinfection		
Contract Number	1193978	Tenderer to Complete	
Council	Cabonne Council	Tenderer's Initial	
Submission Date	12.00 noon Friday 29 January 2021	Date Submitted by Tenderer	

TENDER SUBMISSION FORM 10

STATUTORY DECLARATION ON NON-COLLUSIVE TENDER DECLARATION

The Tenderer must complete and submit with Tender submission
All Submitted information will be treated as confidential

I, _____ (Print name),

of _____ (Address),

do hereby solemnly declare and affirm the following;

1. I, after having made due inquiry believe the following to be completely accurate to the best of my knowledge.
2. Neither the Tenderer nor the Tenderers Agents or Servants have entered into any contract or agreement to offer payment of any kind to a representative of the Principal in the event of a winning tender.
3. Neither the Tenderer nor the Tenderers Agents or Servants have had any knowledge of the price of Tender submitted by its competitors nor did the Tenderer furnish the price of the enclosed tender to any external source prior to the close of the tender date as specified within this Contract.
4. Neither the Tenderer nor the Tenderers Agents or Servants have entered into any contract or agreement to offer payment of any kind to an unsuccessful Tenderer in the event of a winning submission.
5. The Tenderer is not aware of any facts which would affect the decision of the Principal in accepting the Tender nor has the Tenderer attempted to acquire information relevant to the Tenderer award process by soliciting the Principal, the Superintendent or their Representative's Agents or Servants.
6. Neither the Tenderer nor the Tenderers Agents or Servants have entered into any agreement with other Tenderers or third party which results in a payment of unsuccessful Tender fees.
7. The contents of this document are true and correct to the best of my knowledge and in no way have been written under duress of any form.

I make this solemn declaration as to the matter aforesaid, according to the law in this behalf made, and subject to the punishment by law provided for any wilfully false statement in any such declaration.

Signature of Tenderer: _____

Subscribed and declared at: _____

This: _____ **Day of** _____ **Year** _____

Before me: _____ (Print name)

Witness: _____ (Signature)

(Justice of the Peace or authorised person)

Contract	Cumnock amnd Yeoval Water Mains Disinfection		
Contract Number	1193978	Tenderer to Complete	
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FORM 11 – Conflict of Interest Form

Complete either “Declaration A” or “Declaration B” and submit it with the Tender Form.

Declaration A

I, _____ (Name – please print)

of _____ (address)

declare that no owner, manager or employee of

_____ (Business Name)

nor any family members of any owner, manager or employee of the aforementioned business, have any association with the management or employees of the Principal, which could reasonably be regarded as a potential conflict of interest in relation to this tender.

Signed for the Tenderer by: _____ (Authorised Officer)

Print Name: _____ Date: _____

Declaration B

I, _____ (Name – please print)

of _____ (address)

declare that there is an association between an owner, manager or employee of

_____ (Business Name)

or a family member of an owner, manager or employee of the aforementioned business and the management or employees of the Principal, which could reasonably be regarded as a potential conflict of interest in relation to this tender.

Details of the association are as under:

Name of Person	Position	Nature of Association

Signed for the Tenderer: _____ Print Name: _____ Date: _____

(Authorised Officer)

Name of Company: _____ Date: _____

Contract	Cumnock amnd Yeoval Water Mains Disinfection		
Contract Number	1193978	Tenderer to Complete	
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TENDER SUBMISSION FORM 12

ACQUAINTANCE WITH SITE

The Tenderer must complete and submit with tender
All Submitted information will be treated as confidential

This form shall be signed by the Tenderer as a guarantee to the Principal that the Tenderer has undertaken a site inspection without direction of the Principal so as to be fully acquainted with the physical characteristics of the site.

Site Description: Cabonne Council LGA

DECLARATION OF SITE INSPECTION

I, _____, of the Tendering Organisation _____

have, of my own accord, conducted an inspection of the aforementioned site and in doing so I have acquired a sound knowledge of the physical characteristics of the site and any consequential procedures and processes that may arise as a result of any environmental or geographical constraints or conditions and in doing so have abided by all National, State, and Council regulations, legislation and bylaws.

The Tenderer understands that it is the responsibility of the Tendering Organisation to inform all personnel, agents and Subcontractors of the Tendering Organisation of all information pursuant to the preceding paragraph.

Name: _____

Signature: _____

Date: _____

Contract	Cumnock amnd Yeoval Water Mains Disinfection		
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TENDER SUBMISSION FORM 13**RECEIPT OF ADDENDA**

The Tenderer must complete and submit with tender
All Submitted information will be treated as confidential

The Tenderer is to acknowledge that it received the addenda listed below during the tender period and that the tender has been prepared having regard to these addenda.

Addenda No.	Brief Description (eg. Specification Page No, Clause No, Schedule No)	Date Received

This Tender has been prepared having regard to the addenda listed above.

Contract	Cumnock and Yeoval Water Mains Disinfection		
Contract Number	1193978	Tenderer to Complete	
Council	Cabonne Council	Tenderer's Initial	
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TENDER SUBMISSION FORM 14

STATEMENT OF CONFORMANCE

The Tenderer must complete and submit with tender
All Submitted information will be treated as confidential

The Tenderer is to signify whether or not the submitted Tender conforms with the requirements of the Tender Documents by striking out below ** that which is not applicable.

This Tender **** does / does not **** conform.

Should the Tender not conform with the requirements of the Tender Documents, the Tenderer shall list below all areas of non-conformance and the reasons for such non-conformance and shall value * each such non-conformance so that in the event of the non-conformance being deemed unacceptable, the Contract sum can be adjusted accordingly. If the non-conformances are not priced and are deemed to be unacceptable, the tender may not be further considered.

Area of Non-Conformance and Reason	* Value of Non-Conformance (\$)

Contract	Cumnock and Yeoval Water Mains Disinfection		
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Council	Cabonne Council	Tenderer's Initial	
Submission Date	12.00 noon Friday 29 January 2021	Date Submitted by Tenderer	

INSTRUMENT OF AGREEMENT

This instrument shall be completed by Principal and Contractor after acceptance of the tender.
It is included here for the Tenderer's information.

This form comprises a binding Contractual Agreement between:

CABONNE COUNCIL (Principal) and (Contractor)

to faithfully execute the whole of the Works as set out in the documents below for the

Contract: Cumnock and Yeoval Water Mains Disinfection

Contract No: 1193978

Within the Area of Cabonne Council

in accordance with: Tenderers' Tender dated and
Letter of Acceptance dated

Contractual Document Parts Include

- Conditions of Contract { The General Conditions of Contract AS 4000-1997
- { Annexure to the General Conditions of Contract
- Specification
- Tender Submission Documents
- Addendums (if any)

The Principal does not guarantee that information provided as additional to the Contract Documents to assist the Tenderer in the preparation of the tender is accurate or complete and the Tenderer must make their own assessment as to the validity of the information.

Name of Contractor: _____

Signature of Contractor: _____ **Date:** _____

Address: _____

Witness: _____ (Signature)

Signed for and on behalf of Cabonne Council.

.....
General Manager

.....
Witness

.....
Name of General Manager (print)

.....
Name of Witness (print)

.....
Date

.....
Date