
Annexure 1

Section 1 Project Particulars

1.1 Introduction

This project is for a consultancy service to undertake roof condition assessment of two clean water storage tanks, one water storage tank located in Taroom (Figures 1 and 2) and another in Theodore (Figures 3 and 4). The consultancy works also include an options study and preparation of the concept design for a renovation or upgrade of the roofs if required based on the condition assessment report.

The towns of Taroom and Theodore are located 100 km apart, along the Leichhardt Highway, in Central QLD (Figure 5).

The reservoir roofs were constructed in 1983 for Theodore and in 1990 for Taroom. Preliminary details are shown in Figures 1 (Taroom) and 4 (Theodore). The bore water after chlorination is stored in a reservoir located in Taroom and the reservoir capacity is 1.1 ML. The roof of this reservoir holds an aerator of size 4 m x 1.5 m x 2.0 m and an inlet water pipe as shown in Figure 1. The aerator is in working condition and occasionally used.

In Theodore, the river water is treated through the conventional treatment process and stored in the reservoir after chlorination; and the capacity of the reservoir is 1.0 ML. This reservoir's roof does not hold an aerator.

In both reservoirs, the rainwater is drained out through the channel located at the centre of the roofs (Figures 1 and 4). In both reservoirs, there are external ladders for access to roofs and internal ladders for internal access. However, for the internal inspection, should bring the gears which allow moving around. During the internal inspection, the water level can be lowered at a certain level by liaising with our treatment plant operators in both reservoirs but can't be completely drained out. Moreover, some of the roof cover sheets can be removed during the inspection.

Maintenance Priority reports and Reservoir Cleaning reports are included in annexures 2 and 3.



Figure 1: Aerial image of the Taroom water storage tank, of capacity 1.1ML; 18.4m dia., 5.45m high

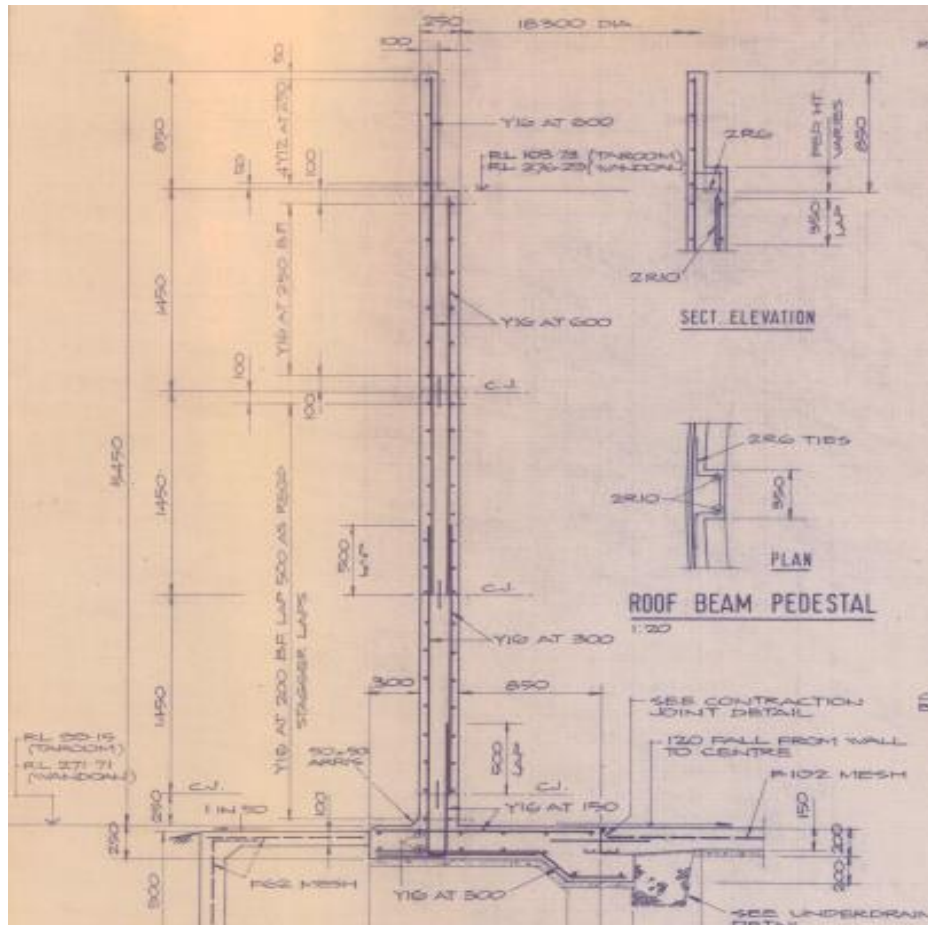


Figure 2: Dimensional insert of the Taroom water storage tank

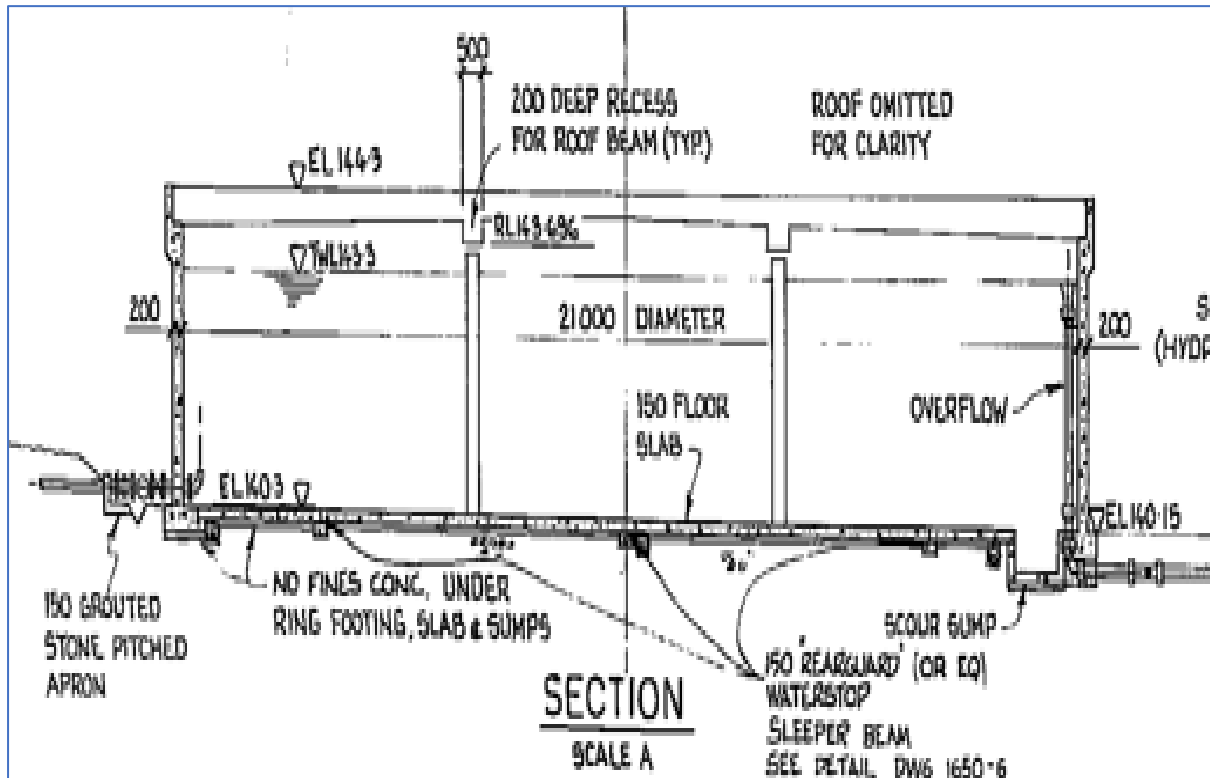


Figure 3: Dimensional insert of the Theodore clear water storage tank



Figure 4: Aerial image of the Theodore clear water storage tank, of capacity 1.1ML; 21m dia., 4m high

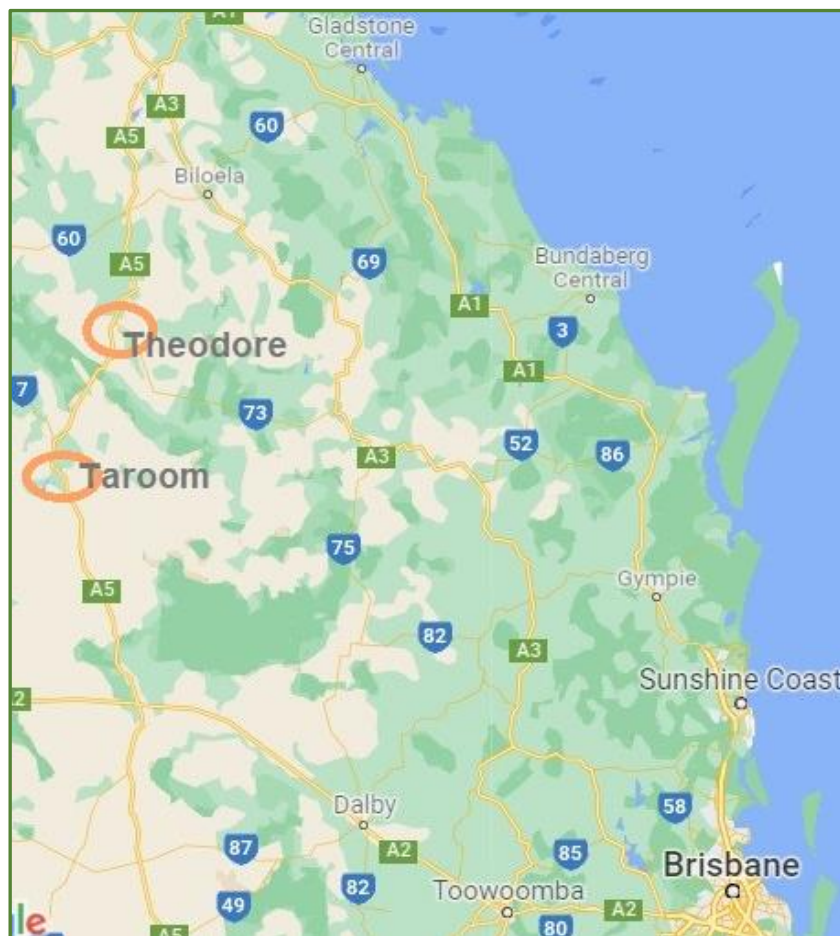


Figure 5: Taroom & Theodore location map

1.2 Scope of Works

STANDARDS

Works under this Consultancy shall be undertaken following current Australian Standards and Codes including, but not limited to:

- National Construction Code (NCC)
- Building certification
- Plumbing and Drainage Regulation 2019
- WSA 03-2011 Water Supply Code of Australia Version 3.1
- Capricorn Municipal Development Guidelines (CMDG) as appropriate

SCOPE

The successful Consultant shall undertake the following tasks under this contract:

- Condition inspection of the roof structure and roofing material over the clear water storage tanks in Taroom and Theodore and prepare a report outlining the present condition of each roof.
- For each reservoir roof, prepare an options study of a minimum of two for repairing/upgrading roofs considering a functional, reliable, and safe roof. It shall be noted that unless determined unsuitable and unnecessary, at least one of the options will explore repairing the roof, and at least one will address upgrading the roof.
- Based on the condition assessment if required prepare a concept design following the acceptance of a preferred option by the Council. Currently, the rainwater is drained out through the channel located at the centre of the roofs. The concept design should consider the alternative of it i.e. draining the rainwater externally. For Taroom, the concept design should exclude the aerator. The council should be able to use the concept design drawings and reports on the tendering process or request a quote.

1.3 Quality Assurance

It is the Principal's intention that the project is undertaken with a high degree of Quality Assurance. The Principal reserves the right to conduct planned or unplanned audits on the Consultant's Quality Assurance System at its discretion.

To maintain quality across the life of the project, the Consultant shall submit for approval a Project Quality Plan that shall, as a minimum, contain a list of nominated Project Personnel showing their positions, lines of communication, and details of the responsibilities of the positions.

The Consultant's quality system shall include sufficient quality records to provide objective evidence that the requirements of the Contract are met. The Consultant shall, when requested by the Principal, provide access to all quality records relevant to the Consultant's quality system under this Contract.

1.4 Information To Be Provided By Consultant

- The consultant shall provide with its submission details of experience undertaking similar work together with references, and list the personnel proposed for use in this project together with their relevant recent experience, and the proposed hourly rate for additional work
- All relevant certificates and work tickets acceptable to the water industry
- A description of service execution methods, techniques, and the number of persons to be employed during the inspection at each reservoir. Attachment to quote response please
- A brief explanation of inclusions and exclusions of the service offer. Attachment to quote response please
- A Safe Work Method Statement. Submitted by the preferred contractor upon receiving an acceptance letter by Council, and before the award of a Purchase Order

1.5 Information and Support Provided By Principal

The following documents will be supplied by Council:

- As-constructed plans/drawings
- Reservoir photos showing areas of reservoir roof deterioration
- Past condition assessment reports
- The Taroom reservoir's stored water temperature is about 37 °C. Hence, to avoid unsafe exposure to hot water during the inspection, the reservoir water can be dropped to about a meter high, and isolated for a period.
- If requested, Council treatment operators can remove up to 6 strategically selected roof sheets in either reservoir
- Internal access to both tanks is by a roof hatch and vertical internal ladder. Externally the roof in Taroom can be accessed by a stepped caged ladder. Theodore has a vertical ladder with a cage.

1.6 PRICE SCHEDULE

A consultant interested in submitting a quotation is required to submit a lump sum price for services as presented in the service description, Schedule of Lump Sum, Table 1.6.1A & 1.6.1B

A consultant shall also provide details of the personnel proposed for use in the consultancy together with their hourly rates by completing Table 1.6.2. Where required, these rates shall be used in the determination of the quantum of variations to the specific scope of work

Table 1.6.1A Schedule of Lump Sum Price – Taroom

Item Number	Description	Unit of Measure	Amount (\$)	Amount (\$) GST Incl
1	Project Management and Planning	Lump-Sum		
2	Roof inspection (external & internal) and prepare a condition assessment report	Lump-Sum		
3	Preparation of the options study. As necessary, a) one of the options will explore repairing the roof, and b) one will address upgrading the roof	Lump-Sum		
4	Prepare a concept design (without considering the aerator) in consultation with Council	Lump-Sum		
5	Travel and accommodation	Lump-Sum		
Total				

Table 1.6.1B Schedule of Lump Sum Price – Theodore

Item Number	Description	Unit Measure	of	Amount (\$)	Amount (\$) GST Incl
1	Project Management and Planning	Lump-Sum			
2	Roof inspection (external & internal) and prepare a condition assessment report	Lump-Sum			
3	Preparation of the options study. As necessary, a) one of the options will explore repairing the roof, and b) one will address upgrading the roof	Lump-Sum			
4	Prepare a concept design in consultation with Council	Lump-Sum			
5	Travel and accommodation	Lump-Sum			
Total					

Table 1.6.2 Schedule of Rates

Please provide details of the particulars proposed for the use in the consultancy together with their hourly rates by completing the table below

Description of personnel and service to be offered	Unit of Measure	Unit Rate (\$)	Amount

Table 1.6.3 Proposed Program for Undertaking Consultancy Works

Proposed Program for Completion of Consultancy Works
<p>It is expected that the consultancy service will be completed within the current financial year. Please complete below:</p> <p>If awarded by 17 May 2022, when can this consultancy service start?</p> <p>___ / ___ / 2022</p> <p>What is the expected consultancy period in a number of days?</p> <p>_____</p> <p>What is the expected date for the completion of this consultancy?</p> <p>___ / ___ / 2022</p>

1.7 Insurance Details

The proposed consultant is to complete the table below, after having regard to the levels of insurance required by the conditions of the contract.

Insurance

The successful consultant will be required to obtain and maintain insurance policies in the following sums:

Workers Compensation or Personal Accident Insurance cover as required by law (whichever may apply)

Details of Professional Indemnity Insurance	Insurer:	
	Policy number:	
	Current to:	
Details of Work Cover Insurance	Insurer:	
	Policy number:	
	Current to:	
Details of Public Liability Insurance	Insurer:	
	Policy number:	
	Sum insured:	
	Current to:	
Details of Product Liability Insurance	Insurer:	
	Policy number:	
	Sum insured:	
	Current to:	
<i>The successful consultant will be required to provide a copy of the current insurance certificate</i>		

1.8 BSC Policies

The Contractor must comply with the following BSC Policies in the completion of the works:

- Code of Conduct;
- Drug and Alcohol Policy;
- Procurement Policy; and
- Work Health and Safety Policy.
- Complete copies of these policies are available to the public on the BSC website at the following address: <https://www.banana.qld.gov.au>