



# AGENDA

## Infrastructure Committee Meeting Tuesday, 1 September 2020

**Date** Tuesday, 1 September 2020

**Time** following the Environmental Services Committee

**Location** Council Chamber  
Timaru District Council Building  
2 King George Place  
Timaru

**File Reference** 1367087

## **Timaru District Council**

**Notice is hereby given that a meeting of the Infrastructure Committee will be held in the Council Chamber, Timaru District Council Building, 2 King George Place, Timaru, on Tuesday 1 September 2020, at the conclusion of the Environmental Services Committee meeting.**

### **Infrastructure Committee Members**

**Clrs** Sally Parker (Chairperson), Paddy O'Reilly (Deputy Chairperson), Allan Booth, Peter Burt, Barbara Gilchrist, Richard Lyon, Gavin Oliver, Stu Piddington, Steve Wills and the Mayor Nigel Bowen

Quorum – no less than 2 members

### **Local Authorities (Members' Interests) Act 1968**

Committee members are reminded that if you have a pecuniary interest in any item on the agenda, then you must declare this interest and refrain from discussing or voting on this item, and are advised to withdraw from the meeting table.

Erik Barnes

**Acting Group Manager Infrastructure**

**Order Of Business**

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<b>2</b>	<b>Identification of Items of Urgent Business.....</b>	<b>5</b>
<b>3</b>	<b>Identification of Matters of a Minor Nature .....</b>	<b>5</b>
<b>4</b>	<b>Declaration of Conflicts of Interest .....</b>	<b>5</b>
<b>5</b>	<b>Chairperson's Report.....</b>	<b>5</b>
<b>6</b>	<b>Confirmation of Minutes .....</b>	<b>6</b>
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- 1      Apologies**
- 2      Identification of Items of Urgent Business**
- 3      Identification of Matters of a Minor Nature**
- 4      Declaration of Conflicts of Interest**
- 5      Chairperson's Report**

## **6 Confirmation of Minutes**

### **6.1 Minutes of the Infrastructure Committee Meeting held on 21 July 2020**

**Author:** Jo Doyle, Governance Advisor

#### **Recommendation**

That the Minutes of the Infrastructure Committee Meeting held on 21 July 2020 be confirmed as a true and correct record of that meeting.

#### **Attachments**

- 1. Minutes of the Infrastructure Committee Meeting held on 21 July 2020**



# MINUTES

## Infrastructure Committee Meeting Tuesday, 21 July 2020

Ref: 1367087

**Minutes of Timaru District Council  
Infrastructure Committee Meeting  
Held in the Council Chamber, Timaru District Council Building, 2 King George Place, Timaru  
on Tuesday, 21 July 2020 at 9.33am**

**Present:** Cr Sally Parker (Chairperson), Cr Paddy O'Reilly (Deputy Chairperson), Cr Allan Booth, Cr Peter Burt, Cr Barbara Gilchrist, Cr Richard Lyon, Cr Gavin Oliver, Cr Stu Piddington, Cr Steve Wills, Mayor Nigel Bowen

**In Attendance:** **Community Board Representatives**  
Temuka Community Board – Lloyd McMillan  
Pleasant Point Community Board – Anne Lemmens  
Geraldine Community Board – Jennine Maguire  
**Council Officers**  
Acting Group Manager Infrastructure (Erik Barnes), Chief Executive (Bede Carran), Land Transport Manager (Andrew Dixon), Roading Network Team Leader (Susannah Ratahi), Asset Management Systems Analyst (Richard Lovell), Waste Minimisation Manager (Ruth Clarke), Governance Advisor (Jo Doyle)

The Chairperson welcomed the Community Board members to the meeting.

**1 Apologies**

There were no apologies.

**2 Identification of Items of Urgent Business**

There were no items of urgent business.

**3 Identification of Matters of a Minor Nature**

There were no items of minor nature.

**4 Declaration of Conflicts of Interest**

There were no conflicts of interest.

**5 Chairperson's Report**

The Chairperson reported on meetings she had attended since the last meeting including:

- Downlands Joint Standing Committee
- Metro transport launch
- Annual Plan Hearing
- Council meetings
- Meetings with Council officers
- Workshops.



**Resolution 2020/18**

Moved: Cr Sally Parker

Seconded: Cr Barbara Gilchrist

That the Chairpersons report be received.

**Carried**

**6 Confirmation of Minutes****6.1 Minutes of the Downlands Water Supply Committee Meeting held on 15 June 2020****Resolution 2020/19**

Moved: Mayor Nigel Bowen

Seconded: Cr Peter Burt

That the Minutes of the Downlands Water Supply Committee Meeting held on 15 June 2020 be received.

**Carried**

**7 Reports****7.1 Road Efficiency Group Report**

The Committee was updated by the Land Transport Manager, Roding Network Team Leader and Asset Management Systems Analyst on the recent Road Efficiency Group (REG) reports on the performance and management of the road network.

The areas where Timaru District Council is performing better than their peers are cost efficiency, road safety, project management and procurement. Overall Timaru District Council's cost efficiency and risk is considered low.

Road safety is always improving, and the way in which service requests are processed is being considered as the system is very manual. An automated system is being investigated.

A process of mapping roads via a truck with lasers and cameras is allowing the Land Transport Unit to identify risks early, which allows high risk roads to be targeted for maintenance. This data is essential, and has paid dividends.

The procurement process is being considered with training scheduled to ensure the correct procurement strategy is in place. Collaboration South Canterbury-wide is an important consideration.

**Resolution 2020/20**

Moved: Mayor Nigel Bowen

Seconded: Cr Barbara Gilchrist

That the report be received and the information noted.

**Carried**

## **7.2 South Canterbury Waste Minimisation and Management Services Memorandum of Understanding**

The Committee considered a Memorandum of Understanding (MOU) with Waimate and Mackenzie District Councils relating to the processing and disposal of solid waste at the Redruth Resource Recovery Park.

The MOU continues an historic arrangement with Waimate and Mackenzie, and the contract will formalise and update this arrangement.

### **Resolution 2020/21**

Moved: Cr Steve Wills

Seconded: Cr Paddy O'Reilly

That the Memorandum of Understanding is approved.

**Carried**

## **8 Consideration of Urgent Business Items**

There were no urgent business items.

## **9 Consideration of Minor Nature Matters**

There were no minor nature items.

**The Meeting closed at 10.03am.**

.....  
**Chairperson**

## 7 Reports

### 7.1 Progress Report: Pareora Pipeline Renewal, Downlands Water Supply Scheme Upgrade and Winchester Geraldine Roundabout

**Author:** Ashley Harper, Senior Programme Delivery Manager  
Lili Delwaide, Programme Delivery Manager

**Authoriser:** Erik Barnes, Acting Group Manager Infrastructure

#### Recommendation

That this report be received and noted.

#### Purpose of Report

The purpose of this report is to inform the Committee on the progress of three key infrastructure projects; the Pareora Pipeline Renewal, the Downlands Water Supply Scheme Upgrade, and the Winchester/Geraldine Roundabout projects.







#### Assessment of Significance

2. This matter is not significant in terms of the Significance and Engagement policy.

#### Discussion

3. Progress reports are attached for the Pareora Pipeline Renewal project, the Downlands Water Supply Scheme Upgrade project and the Winchester/Geraldine Roundabout project.
4. The 2020/21 budgets for the above project are:
  - a. \$8 million for the Pareora Pipeline Renewal;
  - b. \$25.3 million for the Downlands Water Supply Scheme Upgrade (at 100%);
  - c. \$2 million for the Geraldine / Winchester Roundabout.
5. The attached progress reports cover all aspects of the project up until the 14<sup>th</sup> of August, 2020 except for the financials that cover the month of July only.
6. The progress reports include an overview of the project and its context as well as a detailed update on latest progress and current status.
7. Going forward, the three attached progress reports will be updated and presented to the Infrastructure Standing Committee every six weeks.

#### Attachments

1. Pareora Pipeline Renewal - Progress Report July August 2020  
2. Downlands Water Supply Scheme Upgrade - Progress Report July August 2020  
3. Winchester-Geraldine Roundabout - Progress Report July August 2020  

# KEY PROJECT

## Pareora Pipeline Renewal

Progress report – Issue 1 – July / August 2020



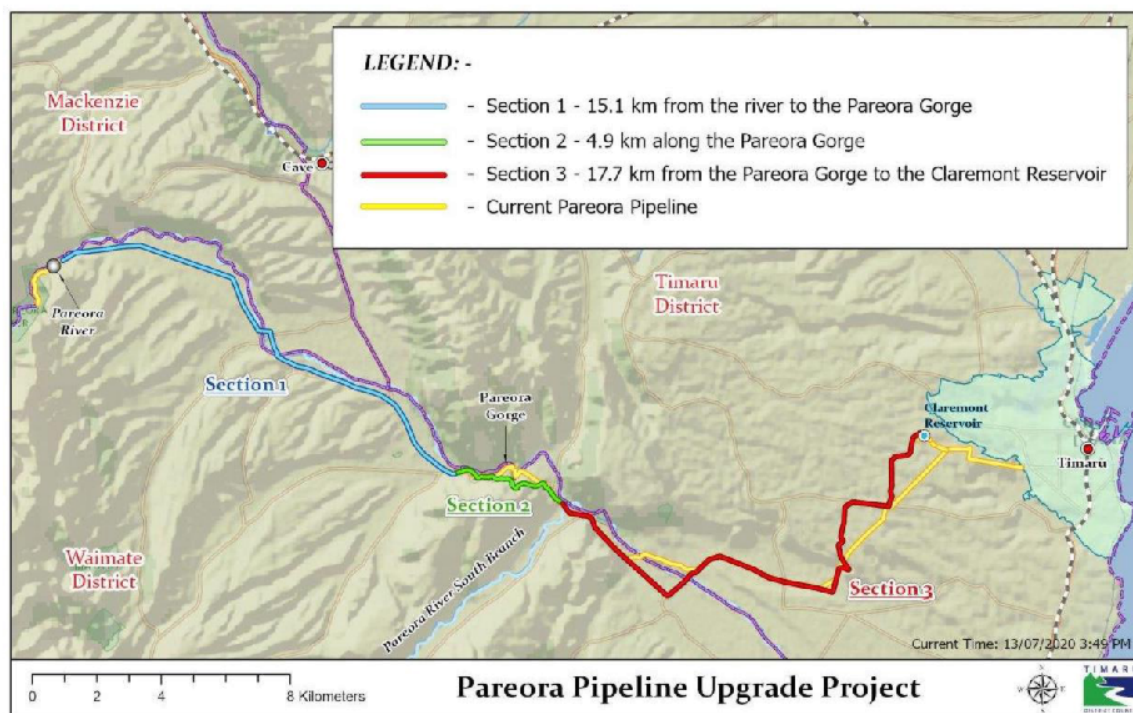
### OVERVIEW

The Pareora pipeline is a critical component of the Timaru water supply, providing the bulk transfer of raw water from the Pareora River intake to the Claremont water treatment plant and storage reservoirs. This source provides approximately 60% of water consumed in the Timaru supply on an annual basis.

The existing Pareora pipeline, installed in the 1930s, is in very poor condition in some sections. It passes through some unstable land in the Pareora Gorge, and is a significant risk to the communities water supply if it were to fail.

In addition, the existing pipeline has a history of leakage and increasing maintenance requirements. Through the adoption of the Long Term Plan 2018-28, Council has approved the renewal of the Pareora Pipeline. Approximately 37km of pipeline needs to be replaced with a nominal 500mm diameter pipe.

For procurement purposes, the pipeline is divided onto 3 sections, as shown on the map below.



### PROJECT TEAM

**Project Sponsor:** Ashley Harper - **Project Lead:** Grant Hall - **Project Manager:** Selwyn Chang

**\$20.9M**

Total 2018-2028 LTP  
Budget

**\$1.4M**

Spent as of 30 July  
2020

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Design  
**80%**  
Completed

# KEY PROJECT

## Pareora Pipeline Renewal

Progress report – Issue 1 – July / August 2020



### PROJECT UPDATE

- Section 1 is currently on the market and closes on September 10th, 2020.
- Investigations for the renewal are complete and included surveying, geotechnical investigations, hydraulic design, pipe material considerations, alignment negotiations, archaeological and ecological assessments and cultural impact assessments. It revealed that Section 2 is a "high risk" for the project; both with regards to the construction methodology and site access but also for the resilience of the pipe around Pareora Gorge (unstable land).
- The consenting stage is ongoing. The application for an Archaeological Authority and for resource consent has been lodged for Section 1.
- The design is 80% complete. The methodology for Section 2 is under discussion and innovative solutions are being considered. A report to Tenders and Procurement Committee is expected to be presented in September 2020.

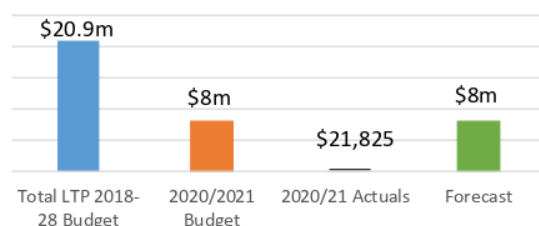
Project Stage		Status & Estimated Duration	Completion Date
Investigations	✓	Completed	
Consenting and Approvals	🚧	All roading authorisations and private land entries have been negotiated and agreed.. Resources consents and Archaeological Authority lodged for Section 1. Applications for Sections 2 and 3 will be made in September.	2020
Design	🚧	Design is completed per section. Section 1 is completed and sections 2 and 3 are at detailed design stage. Investigations are ongoing for section 2.	Aug 2020
Tendering	🚧	Section 1 is currently on the market and it is planned that all 3 sections will be procured by Dec 2020.	Aug 2020 – Dec 2020
Construction	📅	Estimated duration: Section 1 – 40-45 weeks; Section 2 – 12-15 weeks (with liner), Section 3 – 40-50 weeks	Sep 21 – Dec 21
Commissioning	📅	Will follow construction.	

**LEGEND:** ✓ Completed    🚧 In progress    📅 Not yet started

### PROJECT FINANCIALS

The project is funded by loan, within the Urban Water Supply financial accounts. The loan in turn will be financed by urban water supply ratepayers via the Uniform Annual Charge for urban water.

Pareora Pipeline Project Financials -  
as of July 2020 - [\$m]



### PROJECT RISKS

**COVID-19** – The current Alert Level 2 and 3 could result in project delay and increased cost if the Levels were to be maintained for longer period of time and/or increased.

**PROCUREMENT**- This project is well suited for alternative tenders. However, the evaluation of the latter may result in project delay. Hydraulic analysis is ongoing to facilitate the evaluation of potential innovative solutions.



# KEY PROJECT

## Downlands Water Supply Scheme Upgrade

Progress report – Issue 1 – July / August 2020



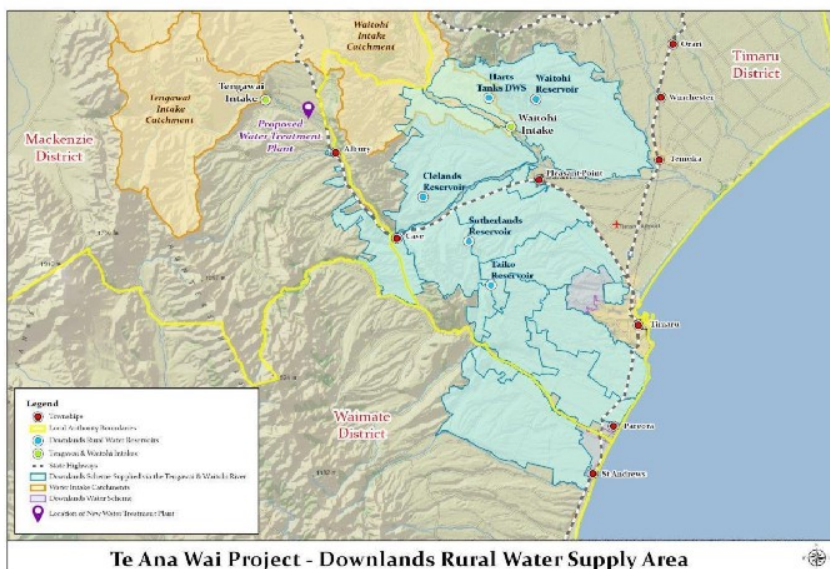
### OVERVIEW

Timaru District Council manages the Downlands Water Supply Scheme on behalf of the Timaru, Waimate and Mackenzie District Councils.

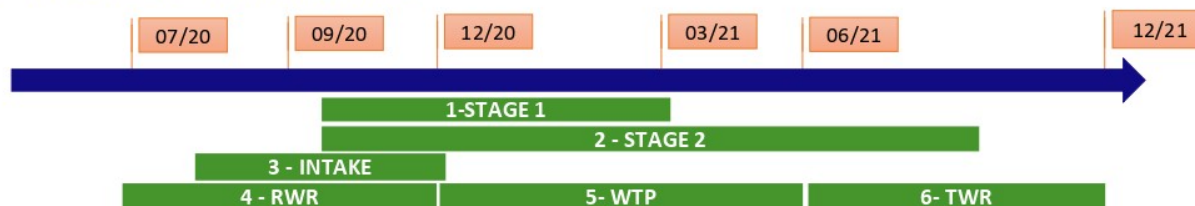
The Downlands Rural Water Supply currently supplies stock and drinking water to over 2,500 properties. The scheme dates back to the 1930s, and no longer complies with the Drinking Water Standards for New Zealand 2008 (Revised 2018) (DWSNZ). Parts of the asset are close to end of life. In addition the available supply is currently fully allocated.

The Scheme upgrade was approved as part of the 2018-2028 Long Term Plan, and it is now reaching the end of the design and consenting phase. The project comprises the 6 contract work packages listed below:

- 1 **Trunkmain Upgrade**
- 2 Stage 1 – 3.5km from Cave to Davison Road
- 3 Stage 2 – 15.3km from Cave to WTP
- 4 **Te Ana Wai Intake Upgrade**
- 5 New Pump station, new galleries, refurbishment of existing galleries and upgrade of 110m AC section of raw water pipe.
- 6 **Te Ana Wai Water Treatment Plant**
- 7 Raw Water Reservoirs
- 8 Water Treatment Plant
- 9 Treated Water Reservoir



### PROJECT TIMELINE



### PROJECT TEAM

**Project Sponsor:** Judy Blakemore - **Project Lead:** Grant Hall - **Project Manager:** Ian Martin (Octa)

**\$26M**

Total 2018-2028 LTP  
Budget

**\$7.8M**

Spent & Committed  
as of 30 July 2020

Page 1

85% Design  
2% Construction  
**Completed**

# KEY PROJECT

## Downlands Water Supply Scheme Upgrade

Progress report – Issue 1 – July / August 2020



### RECENT PROGRESS

**Intake** – Design is complete. Construction of the in-river works is underway, with the balance of the work to be completed in March 2021.

**Raw Water Reservoir** – Design is complete. Construction contract tendered and awarded to Rooney Group Limited. Land Designation now proceeding through Limited Notification process. Construction for permitted activities (fencing) has been completed.

**Water Treatment Plant** – The Design & Construct Contract is due to be presented to the Tenders and Procurement Committee. Commissioning of the new WTP is targeted for June 2021.

**Treated Water Reservoir** – A Performance Specification for Design & Construct contract tender is being developed in August 2020.

**Stage 1 Pipeline** – Construction Contract awarded to Hadlee and Brunton. Procurement of liner material is proceeding. Construction is due to start in October.

**Stage 2 Pipeline** – Design and Consenting is underway. Design will be completed in September. Procurement Strategy is to be developed in September 2020.

	Trunkmain		Intake	WTP		
	Stage 1	Stage 2		RWR	TWR	WTP
<b>Prelim. Investigations</b>	✓	✓	✓	✓	✓	✓
<b>Consenting</b>	✓	👤	👤	⚠	⚠	⚠
<b>Design</b>	✓	👤	✓	✓	👤	👤
<b>Tendering</b>	✓	📅	👤	✓	📅	👤
<b>Construction</b>	📅	📅	📅	👤	📅	📅
<b>Commissioning</b>	📅	📅	📅	📅	📅	📅

Not started  
 In progress - on schedule  
 In progress - behind  
 Warning  
 Awaiting Sign-Off  
 Completed

### PROJECT FINANCIALS

\$7.8m (30%) has been committed but planning and construction delays mean the rate of expenditure is behind.

### PROJECT RISKS

**CONSENTING** – Not all affected parties approvals were able to be obtained. Therefore, the application for a designation will proceed under a limited notification process delaying the start of construction works on site. All works for permitted activities such as fencing are going ahead and the contractor is currently doing river works at the intake.

# KEY PROJECT

## Winchester / Geraldine Roundabout

Progress report – Issue 1 – July / August 2020

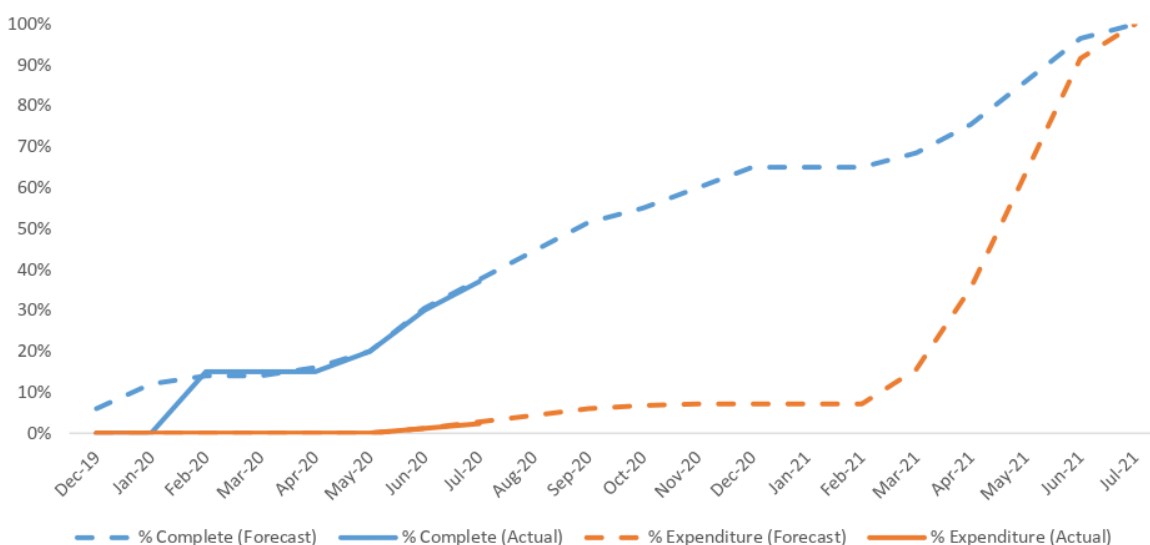


### OVERVIEW

Winchester-Geraldine, Coach, Tiplady, and MacKenzie Roads intersect approximately 6km south of the Geraldine Township. This intersection has been identified as a high risk intersection by NZ Transport Agency. This outcome correlates with the high vehicle crash history at this intersection - in the last ten years there have been eight injury-causing crashes, with three of them resulting in serious injuries. As a result, this intersection has been identified as high-risk and in need of upgrading. Though the Safer Networks Programme (SNP) it has been determined that the best treatment for this site is the installation of a rural roundabout. Due to the SNP category, this work is being funded at 75% by NZTA and 25% by TDC.

### PROJECT UPDATE

- An open-procurement process was carried out to procure the professional services necessary for the project delivery including preliminary design, detailed design, contract documentation, tender evaluation and contracts supervision. GHD was identified as the preferred supplier and awarded the contract. GHD commenced work in May 2020.
- The preliminary design is complete. No consents is expected to be required to complete this project. In addition, it is not expected that additional land will be required.
- However, collaboration with other utility providers such as Chorus, Alpine Energy and TDC Drainage and Water Unit is required.



### PROJECT TEAM

**Project Lead:** Andrew Dixon - **Project Manager:** Adam Ward

**\$2M**

Total 2020/21 Annual  
Plan Budget

**\$57.5k**

Spent to Date (*as of*  
30 July 2020)

**37%**

Completed  
(*as of 30 July 2020*)

Page 1



- 8      Consideration of Urgent Business Items**
- 9      Consideration of Minor Nature Matters**

## 10 Exclusion of the Public

### Recommendation

That the public be excluded from the following parts of the proceedings of this meeting on the grounds under section 48 of the Local Government Official Information and Meetings Act 1987 as follows:

General subject of each matter to be considered	Reason for passing this resolution in relation to each matter	Plain English Reason
<b>11.1 - Temuka Vine Street Car Park</b>	<p>s7(2)(b)(ii) - The withholding of the information is necessary to protect information where the making available of the information would be likely unreasonably to prejudice the commercial position of the person who supplied or who is the subject of the information</p> <p>s7(2)(i) - The withholding of the information is necessary to enable the Council to carry out, without prejudice or disadvantage, negotiations (including commercial and industrial negotiations)</p>	<p>Commercial sensitivity</p> <p>To enable commercial or industrial negotiations</p>

**11 Public Excluded Reports**

**11.1 Temuka Vine Street Car Park**

## **12      Readmittance of the Public**