Consultation feedback - overview and project team response

 Key issues and suggestions Adverse effect on neighbouring properties esp visual effects (14 submissions including one submission representing adjacent property owners and via lawyer) esp directly affected properties 45, 45A Waiwetu and potential new house at 184/184A and 190 Clyde Road. However, at least two members also submitted separately. properties as Jeffreys Residents group), also access to two properties via existing bridges Key suggestion – relocate away from houses	 Project team response The site presented to the residents was selected based on the follow Low capital costs. It had the least impact on the existing pump station site existing facilities on the reserve (rugby field, tennis cour All planning rules were complied with at this site There are no other services at the site that may need re The allowable building height under the District Plan for an Open Sp decided to reduce the maximum height to five metres in order to re neighbours. The proposed site will be architecturally designed, land sympathetic with the reserve setting. However, concerns raised in consultation about the height and the I CPTED, antisocial behaviour and access concerns have prompted the set of the set o
 CPTED concerns 5 submitters indicated concerns about increased risk of crime/ antisocial behaviour based on the location or the tank lack of information in the consultation material about effective ways to keep people out of the area behind the tank. any screening for adjacent properties would add to safety/security issues. Suggestions security fencing, dense/spiky plants 	 The Detailed Design will take into consideration the CPTED principle Which are: Access: Safe movement and connections, Surveillance and Sightlines: See and be seen, Layout: Clear and logical orientation, Activity Mix: 'Eyes on the street', Sense of Ownership: Showing a space is cared for, Quality Environments: Well designed, managed and ma Physical Protection: Using active security measures. The Detailed Design will take into consideration CPTED principles and the property boundaries, for example a fence. However, loss of access to the reserve via private property, and given the control other options for the location of the tank. The security fence around the existing tank is part of the wider exist tank has been designed to prevent access without requiring it to be
 General visual concerns including 'eyesore', blot on landscape, 'far too intrusive' higher than surrounding buildings' not adequate screening, too much of a change from existing tank Reduces useable space in the reserve Why such a large tank? Suggestions: Design OK but suggest relocation Recommend reduction in height to fit in with surrounding buildings e.g. library and environment (8) Should be underground or partly buried (6 submitters) Needs adequate landscaping to surround/screen and mitigate views across park 	See above The visual effects have been considered in conjunction with other far landscaping at the proposed location will visually soften and integra However, given the concerns raised about the visual effects of the tar are considering the advantages and disadvantages of other location Concerns raised in consultation about the height and the look of the concerns have prompted the project team to consider other options Reducing the tank height below five metres would result in a larger space. Hence the proposed five metre height which is well below th

owing factors: ite (low risk to the existing structures) and the ourt, playground). relocating. Space Community Park is eight metres. We reduce potential visual effects on the ndscaped and constructed in a manner e look of the proposed tank design along with the project team to consider other options. oles and the Seven Qualities of Safer Places. maintained environments, and will prevent access to the areas between ver, under the current proposal, this will mean oncerns raised, the project team is considering isting pump station compound. The proposed be physically fenced. factors. The architectural design and rate the tank with the amenity of the reserve. e tank as well as CPTED and access concerns, we on and design options within the reserve. he proposed tank design along with CPTED ns. er footprint. This would take up more reserve the maximum permissible eight metres.

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Key issues and suggestions	Project team response
	Burying the tank deep has earthquake resilience issues (as demonst constructability issues owing to groundwater levels and water quali could be an issue as it has been in other parts of the city. The propo 0.5 m. This ensures that the tank is well above the water table.
	Most of Jeffreys Reserve appears on the ECan Listed Landuse Regist contaminating activities in the past. Further investigation and mitiga determined at detailed design.
	Agreed the proposed site does reduce the usable space in this corner 150 m2 (could extend to 300 m2 with fencing around the tank). The landscaping aims to provide visual relief to the size of the tank, visu amenity of the reserve. We are considering the advantages and disareserve as a result of concerns raised in the submissions.
	 Reasons for the larger tank requirement include : (i) provision of sufficient additional buffer capacity for peal (ii) additional capacity for sand settlement/removal (iii) the larger suction tank enables more chlorine contact t (iv) Better flow equalisation from 4 wells, facilitates smooth (v) the 500 m3 tank would future proof the network require smaller tank would (v) (vi) The cost benefit of the larger tank outweighs that of the
	The tank dimensions are always larger than the work volume of war air gap between tank roof and the maximum water level. The net v
	Round and rectangular tanks have been considered. For this site th suitable. This is because tank options with the longest flow path off The longest flow path also offers the longest contact time in case ch
	The handrail is a necessary health and safety feature for staff f investigate whether any other Health and safety measures can
Existing use of site, replacement landscaping and existing tank One commented the rugby players use the site, another that it is a good picnic spot, and general comments that it is part of the park What will happen to the old tank/site - remove? Dispose/ landscape/ integrate? Will landscaping survive?	The existing pump station will remain. The existing tank will be dem Agreed the proposed site does reduce the usable space in this corner 150 m2 (could extend to 300 m2 with fencing around the tank). The landscaping aims to provide visual relief to the size of the tank, visu amenity of the reserve.
Ground conditions unsuitable near river Well drilling caused damage to nearby properties, lateral spread – could further threaten properties (Residents Group)	The preliminary geotechnical assessment indicates that construction From an engineering perspective, proximity to the stream does not engineering design and construction methodology will take this into

nstrated by the current below ground tank), ality – E Coli and water ingress (contamination) posed tank design is not to be buried more than ister which implies that it might have had site igation requirements will be undertaken and rner of the reserve. The proposed foot print is he proposed architectural design and sually soften and integrate the tank with the isadvantages of other location options within the eak demand and emergencies (fire fighting) t time (when chlorination is required) other operation uirements for the next 50-100 years than the the smaller tank. vater storage. This is because there is always an volume of water storage will be 500 m3. the rectangular tank was considered most offer better sand removal. chlorination was required. f for their three-monthly inspection. We will an be used instead of handrails. emolished and the area tidied up. rner of the reserve. The proposed foot print is he proposed architectural design and sually soften and integrate the tank with the ion within 50 metres of the stream is feasible. ot preclude a site from possible use. The

nto account.

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Key issues and suggestions	Project team response
 Alternative locations need to be considered: Suggestions: Away from residential properties Closer to library On current playground site and to include tennis volley and basketball hoop - 8 submitters including Jeffreys Residents Group Alternative location near Jeffreys Road (2nd choice Jeffreys Residents Group, also raised by several others). Closer to southern and western boundaries Near entrance from Thorneycroft Street. Offsite e.g. Red Zone 	 Benefits noted for sporting and recreational amenity. At this stage t The preferred option was chosen for the following key reasons Low It had the least impact on the existing pump station site existing facilities on the reserve (rugby field, tennis cour All planning rules are complied with at this site. There are no other services at the site that may need re The tank needs to be located close to the existing pump station and operational reasons. However, we are considering the advantages a within the reserve as a result of concerns raised in the submissions.
Existing tank is fine. Four wells will overburden water supply and encourage waste	 The wells are already existing and are consented. They are very deel is controlled by the Environment Canterbury consents. Jeffreys Pump Station feeds into the North West Zone water supply enables better operation flow control of the 4 new deep wells; peak also help remove sand. Post-earthquake, the priority was to carry out urgent repairs; damage stations and connections (temporary and permanent) to water supply completed. We are now working through projects which have temp carried out for water security and community requirements.
Effects on existing trees and landscaping	Some minor tree pruning is envisaged, and possibly the relocation of major effect on existing trees. Any new planting will be the responsibility of the contractor to estal planting will be handed back to the CCC Parks Maintenance contraction of the contractor to estal planting will be handed back to the CCC Parks Maintenance contraction of the contractor to estable planting will be handed back to the CCC Parks Maintenance contraction of the contractor to estable planting will be handed back to the CCC Parks Maintenance contractor to estable planting will be handed back to the CCC Parks Maintenance contractor to estable planting will be handed back to the CCC Parks Maintenance contractor to estable planting will be handed back to the CCC Parks Maintenance contractor to estable planting will be handed back to the CCC Parks Maintenance contractor to estable planting will be handed back to the CCC Parks Maintenance contractor to estable planting will be handed back to the CCC Parks Maintenance contractor to estable planting will be handed back to the CCC Parks Maintenance contractor to estable planting will be handed back to the CCC Parks Maintenance contractor to estable planting will be handed back to the CCC Parks Maintenance contractor to estable planting will be handed back to the CCC Parks Maintenance contractor to estable planting will be handed back to the CCC Parks Maintenance contractor to estable planting will be handed back to the CCC Parks Maintenance contractor to estable planting will be handed back to the CCC Parks Maintenance contractor to estable planting will be handed back to the CCC Parks Maintenance contractor to estable planting will be handed back to the CCC Parks Maintenance contractor to estable planting will be handed back to the CCC Parks Maintenance contractor to estable planting will be handed back to the CCC Parks Maintenance contractor to estable planting will be handed back to the CCC Parks Maintenance contractor to estable planting will be handed back to the CCC Parks Maintenance c
Process, information and viability concerns Consultation period too short? Signs not up for long enough? Should have reported more options in the leaflet e.g. burying the tank. Poor representation of the visual impacts – misleading , out of context Rate payer concerns – process and design fit for purpose – reasons for change?	 The consultation was kept open until the day after the public holida the closing date was accepted. The Council needs to replace the war CCC Three Waters Unit between keeping the project moving and har design. The intention of the meeting with adjacent residents was to introduct to the meeting invitation all residents were provided with a leaflet esite. Corflute signs and leaflet holders were put at the proposed site and representations which were concept designs only. On request, the sproposed tank. All feedback is being considered and responded to by the project term.

e the playground is not due for renewal. w capital costs. te (low risk to the existing structures) and the ourt, play-ground). relocating nd infrastructure for cost, security and and disadvantages of other location options IS. eep wells, over 100 metres. The water allocation ly network. The suction tank is necessary as it ak load buffer; firefighting demand and tanks naged wells replacement works in many pump pply network. Most of the works have been porary connection; ensuring proper design is or replacement of a juvenile tree. There is no tablish for 12months. After this time the actor for ongoing maintenance. day and all feedback received within a week of vater tank and a balance was being sought from having meaningful input to its location and duce and explain the new proposal. In addition t explaining the proposal including that the new nd in the reserve with enlarged visual e site was marked with the dimensions of the

team

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Key issues and suggestions	Project team response
	The preliminary cost estimate provided in the consultation documer construction of the bores has been completed. The bores are tempor using the proposed tank is required.
	The aquifer test (pumping and discharging water into the stream) er be allocated to the Council site. The tests were used to determine t
	See above for response to location and other process issues
Construction concerns Concern about how long it will take based on earthquake repair process	The present tank was damaged by the 2011 earthquake and has not in place. To enable the pump station to fully utilise the the capacity damaged tank is replaced as soon as possible.
	The next stage will include detailed geotechnical investigation as par methodology will not have a direct impact on existing properties' sta from construction will be noise and dust. However, mitigation will be to reduce potential effects. An independent dilapidation study will be and post construction to determine whether any damage has been of

nents was for the tank and related cost only. The porarily connected and permanent connection

enables ECan to decide how much water could e the performance of the aquifer.

not been used since. Temporary connections are ity of the 4 new deep wells, it is important the

part of Detailed Design. The construction structural integrity. The potential main effects II be put in place e.g. specific working hours, etc. II be carried out on nearby residence both pre en caused as a result of construction activities.