

# Soldiers Memorial Park Water Treatment and Bore Upgrade Project



SOUTH WAIRARAPA  
DISTRICT COUNCIL  
*Kia Reretahi Tātau*

**Our water, our future.**

# Project overview: why this work is needed

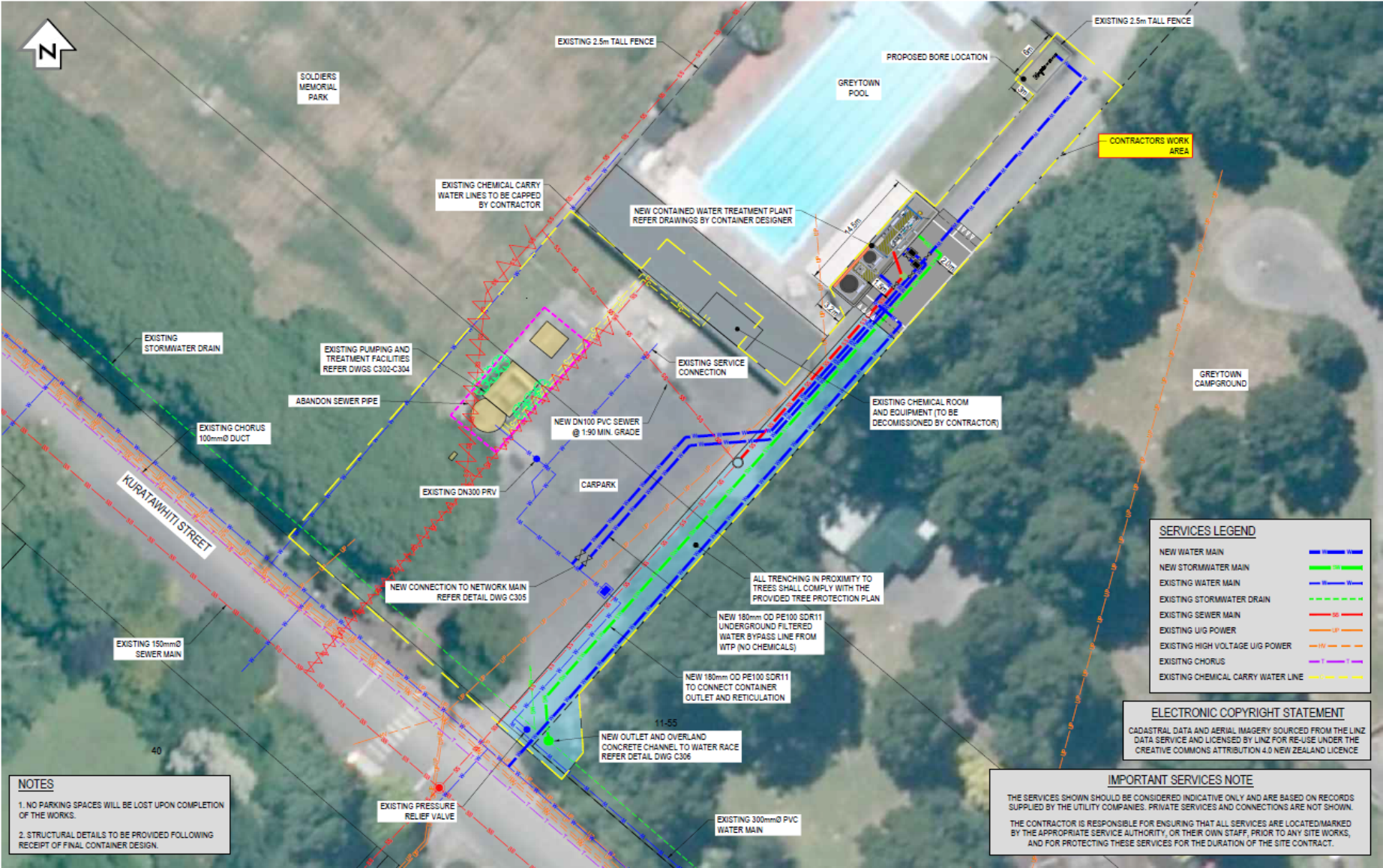
- Wellington Water on behalf of SWDC is upgrading the water bore, pump and treatment facilities at Soldiers' Memorial Park on Kuratawhiti Street.
- The current bore and treatment facilities only supply Greytown and supply 100% of Greytown's water needs.
- The current bore still meets demand, but:
  - the current pump and treatment facilities are aging and in need of replacement
  - we cannot stop the existing pump and treatment facilities without compromising supply
- Upgrades will increase the resilience of Greytown's drinking water supply.

# Scope of work

- Work includes:
  - Drilling a new bore (consents to be lodged with Greater Wellington).
  - Installing a new bore pump and above ground water treatment plant to connect to the water supply network and discharge clean water into water race (approved).



# Scope of works map



## Scope of works - continued

- The map shows the location of the existing treatment facilities, the preferred bore location and where the new treatment facilities and underground pipework will be installed.
- The new water treatment plant will be located to the right side of the pool complex to minimise loss of parking.
- Once the treatment plant is up and running the existing containerised treatment systems will be removed enabling the car parking to be returned to the community.
- The swimming pool carpark for the duration of the civil works to ensure safety. Pedestrian access to clubrooms and sports fields will be maintained and vehicle access needed to access the clubrooms will be discussed with park users.
- The portion of the chemical room in the swimming pool used by WWL for treatment purposes will be decommissioned and removed, enabling the expansion of the existing facilities for the pool users.



# Bore location investigations



- Location 1: next to existing bore
- Location 2: 50m from existing bore
- Location 3: 169m from existing bore
- Location 4: 139m from existing bore
- Location 5: 68m from existing bore (preferred location)

## LOCATION 5: PREFERRED LOCATION

- No impact on the operation of sports fields
- No impact on historic trees in park area
- Outside the footprint of proposed upgrade to pavilion
- Maintains pool complex BBQ area and shade sail space
- No loss of car parking area

# Bore location investigations

Location name	Rationale	Comments
<b>Location 1:</b> next to existing bore	Estimate “current” well interference effects on neighbours.	Not recommended due to potential interference effects during drilling and risk of turbidity issues during operation.
<b>Location 2:</b> 50m from existing bore	50m away from Memorial Park bore, to reduce interference effects on the new/back up production well.	Not recommended due to impact on the operation of the sports field and the proximity to the notable trees.
<b>Location 3:</b> 169m from existing bore	Furthest point northwest within the park.	Not recommended due to impact on the operation of the sport field and increased costs (furthest location).
<b>Location 4:</b> 139m from existing bore	Northeast of the existing bore, away from wastewater mains.	Not recommended due to impact on the operation of the sports field and from being located in a flood sensitive area.
<b>Location 5:</b> 68m from existing bore <u><b>(Recommended option)</b></u>	Preferred location based on consultation with WWL and SWDC staff.	No impact on the operation of the sports field and is outside of the footprint of the proposed upgrade to the sports pavilion.



# Proposed Bore Location



- Preferred location is inside the Greytown swimming pool complex area on the grassed area beside the toddler pool. Using approximately 3m x 6m of land.
- Bore works would include:
  - Survey of swimming pool to determine existing condition before works begin
  - Installation of well inside the pool complex (by drilling method)
  - Installation of a new bore pump and pipe work
  - Water Quality Testing/Pump Testing
  - Installation of cladding/fencing around the bore (isolating it from the pool complex)



# Impacts

- Construction timeframes – Mid 2023 – late 2023
- Traffic management on Kuratawhiti Street at times
- Pool carpark closed during construction with limited vehicle access to clubrooms (park users can continue to park on the Soldiers' Memorial Park side of Kuratawhiti Street)
- Some construction noise
- Swimming complex lose approx. 18m<sup>2</sup> of land
- WWL and contractors will work with user groups to minimise disruption

# Timeframes

**March 2023** – Engagement with Mana Whenua, park user representative groups and others

**April 2023** – compile feedback to inform construction methodology

**Mid-2023** – construction begins

**Note:** WWL plan to lodge consent application with Greater Wellington in March for the drilling consent and September/October for the water take consent.