

## Howard Sewage Treatment Plant

### PROJECT:

This project provides for the construction of a new Sewage Treatment Plant (STP) in Tremlin Drive adjacent to the Cemetery to service the Howard community and will allow the existing STP located in the centre of town to be decommissioned.

The first stage of the STP will be designed to treat up to 160 kL/day average dry weather flow from the existing connected properties in the commercial area of town and the new AHC lifestyle community in William Street.

Treated effluent will be disposed of on site by irrigating a dedicated tree plantation and at the Howard Golf Club

### PROJECT ESTIMATE:

\$5.94m (Stage 1)

### PROJECT STATUS:

- **Approvals**

Significant delays to this project have been experienced relating to approvals to enable the site to be cleared.

State Government approval to clear the site was achieved by a Ministerial Infrastructure Designation (MID). This was obtained in March this year and permit clearing of 25 ha of the 56 ha property for the current Stage 1 scope.

Additional approvals are required under the federal government's *Environment Protection and Biodiversity Conservation Act* (EPBC). As the site has the potential to provide a habitat for native fauna it is expected that, under the EPBC, an area of cleared land elsewhere will need to be replanted with appropriate trees. Council's Environmental

Consultants, in consultation with the Project team and Open Space and Environment team, have investigated the suitability of an 'offset' area using Council's environmental rehabilitation land at Takura.

- **Current Status**

The current status of the project is that:

- Sewerage reticulation (gravity and rising) mains – **Complete.**
- Sewerage Pumping Station – **Complete.**
- Sewerage Treatment Plant
  - Detailed Design – Pending PLT Approval.
  - Approvals (ERA) – In Progress.
  - EPBC – In Progress.

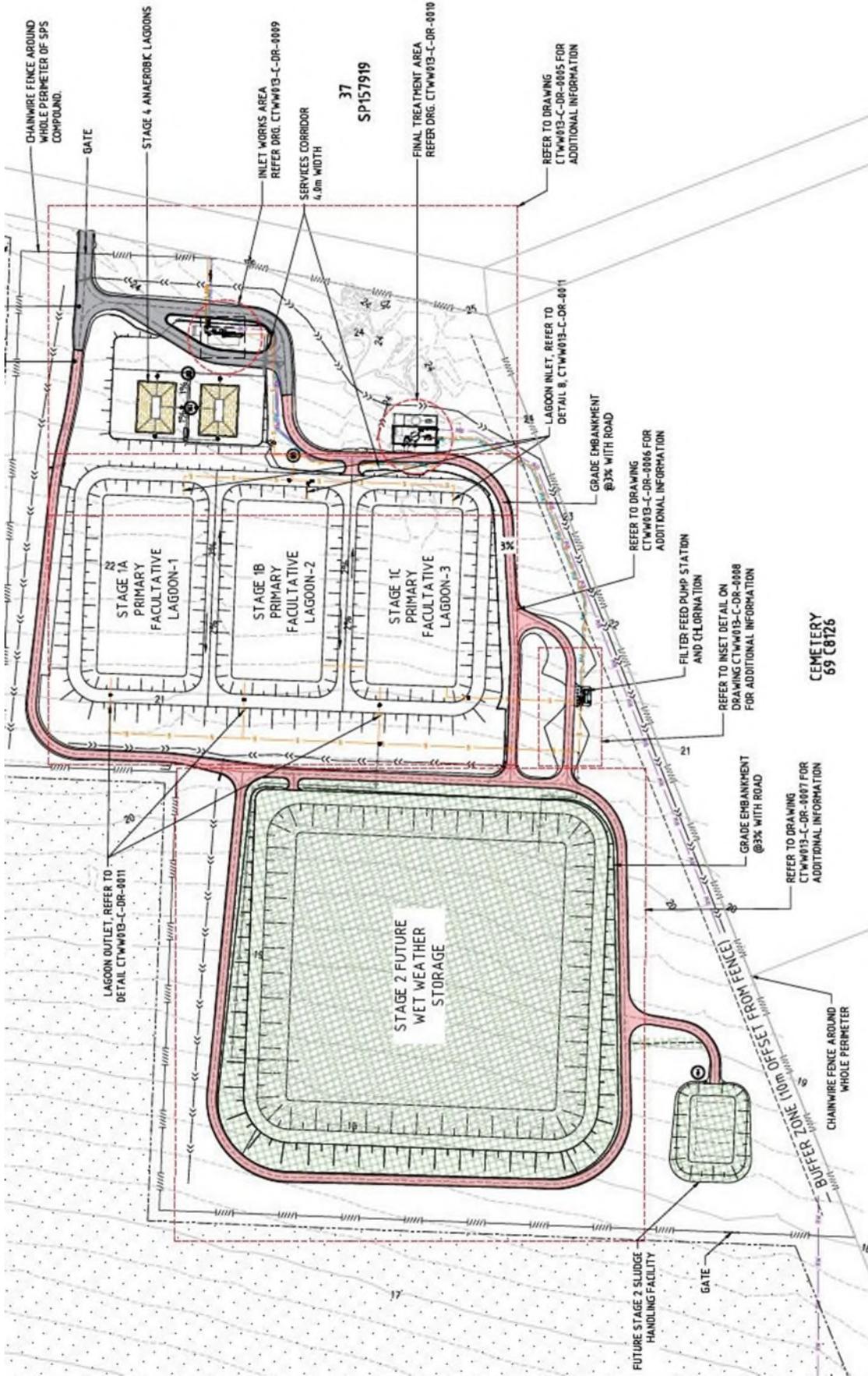
Sewage flows from the AHC "Goodlife" development in William Street are being pumped to the existing treatment plant for treatment, these flows are minimal at present and are not affecting the treatment process or treated effluent quality.

Discussions are underway with the Department of Environment and Science (DES) to amend the current Environmental Approval (EA). As soon as this amendment and the EPBC conditions are finalised work will commence on the new plant.

- **Proposed Layout**

The proposed treatment plant will be a lagoon-based treatment system consisting of three treatment lagoons followed by a wet weather storage lagoon.

Incoming sewage will be screened prior to treatment in the lagoons by naturally occurring biological processes. The treated effluent will be filtered and disinfected before being reused as irrigation water.



Howard STP Layout