

# Cassilis Sewer Project

## Community Presentation

20 May 2025

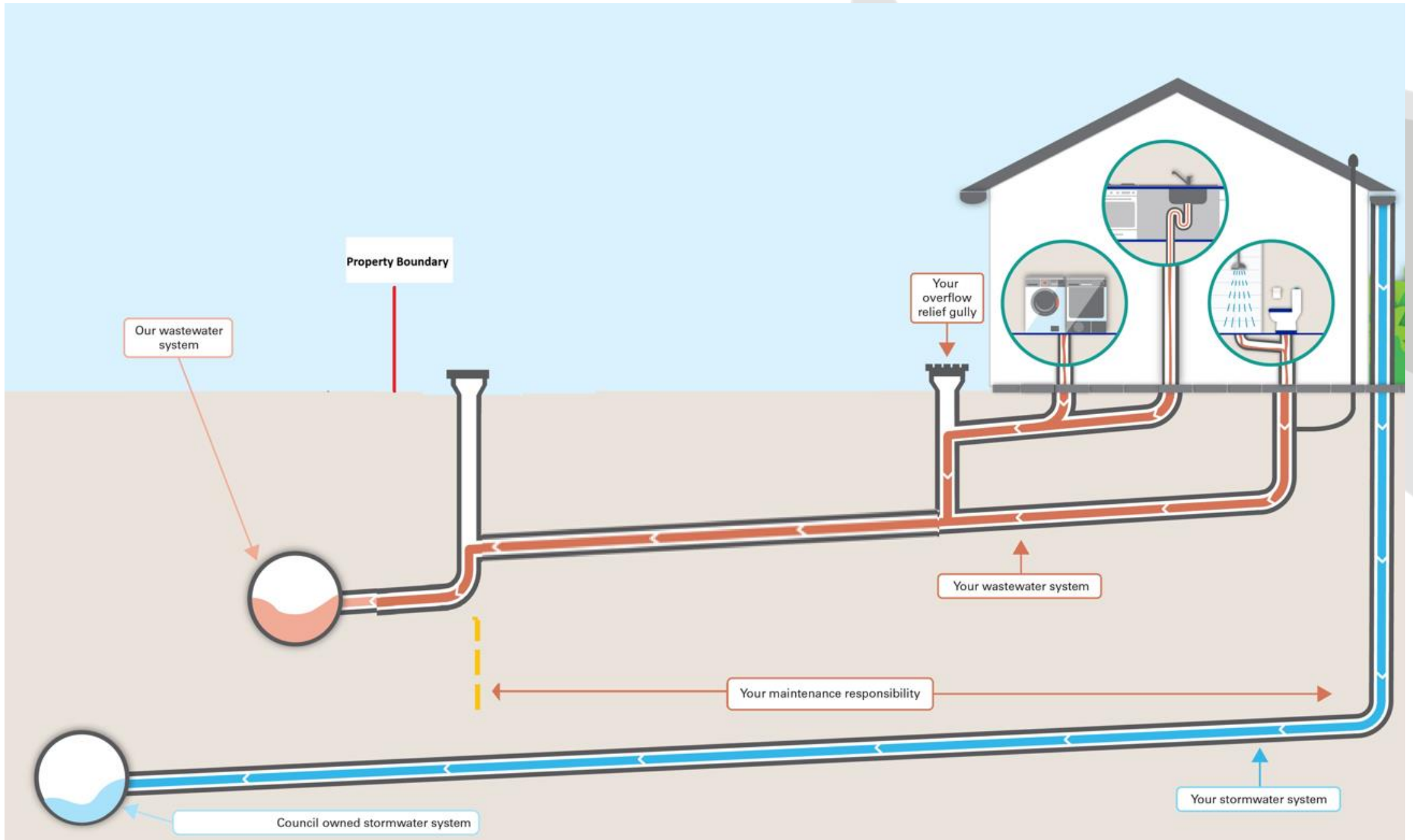
# Why STP over WTP?

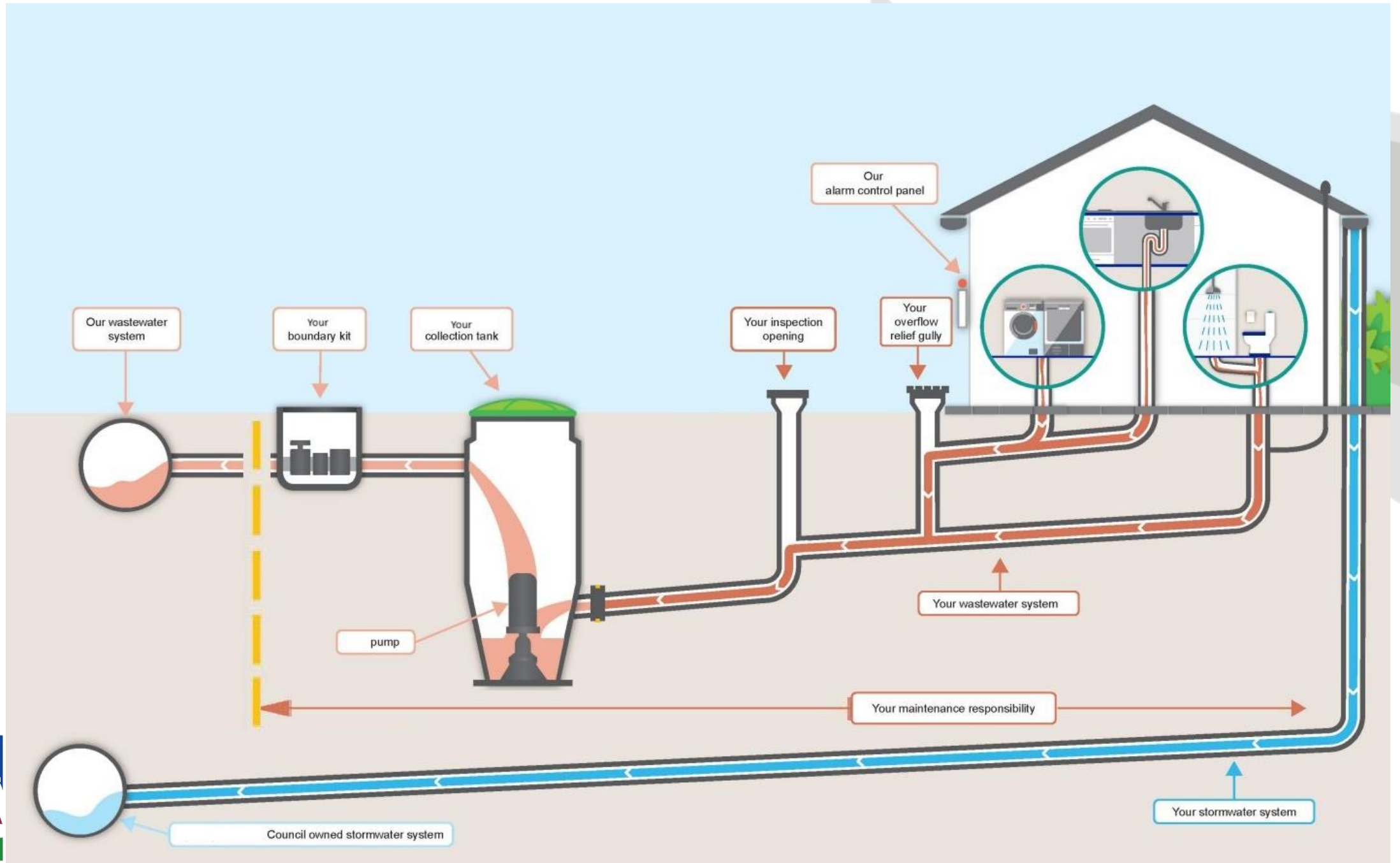
Why was the sewer project was chosen over water treatment plant?

- Risk of contamination of water supply by sewerage making the water supply undrinkable
- Unviable as the assessment of the cost of to operate a water treatment system was \$168,000 equating to \$3,055 per household per year.
- Water quality currently meets Australian Drinking Water Guidelines for health targets. It fails to meet aesthetic based targets

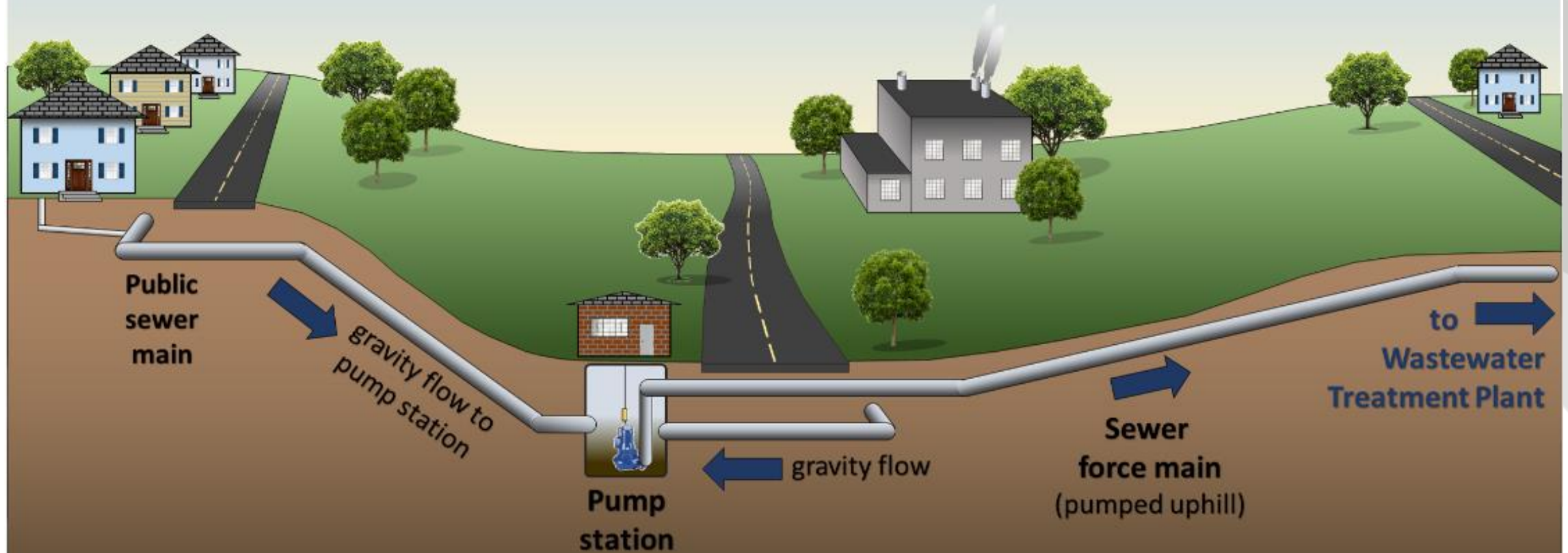
# History of the project

- Sep 2016 Council received Grant Approval (Safe and Secure Water Program – Restart Funding) for a design and construction (\$1.22 Million which was the 45% of the initial total project cost)
- March 2018 Initial community Consultation
- March 2019 Second Round Consultation
- March 2022 Design was completed by Cardno
- Quantity survey identified cost of works was \$5.6 Million
- Project was placed on hold subject to funding
- Handback of the remaining funding to the funding body
- 2024, 100% REZ funding became available (only available to Cassilis township)
- 2024, UHSC made application and grant was announced based on Cardno design



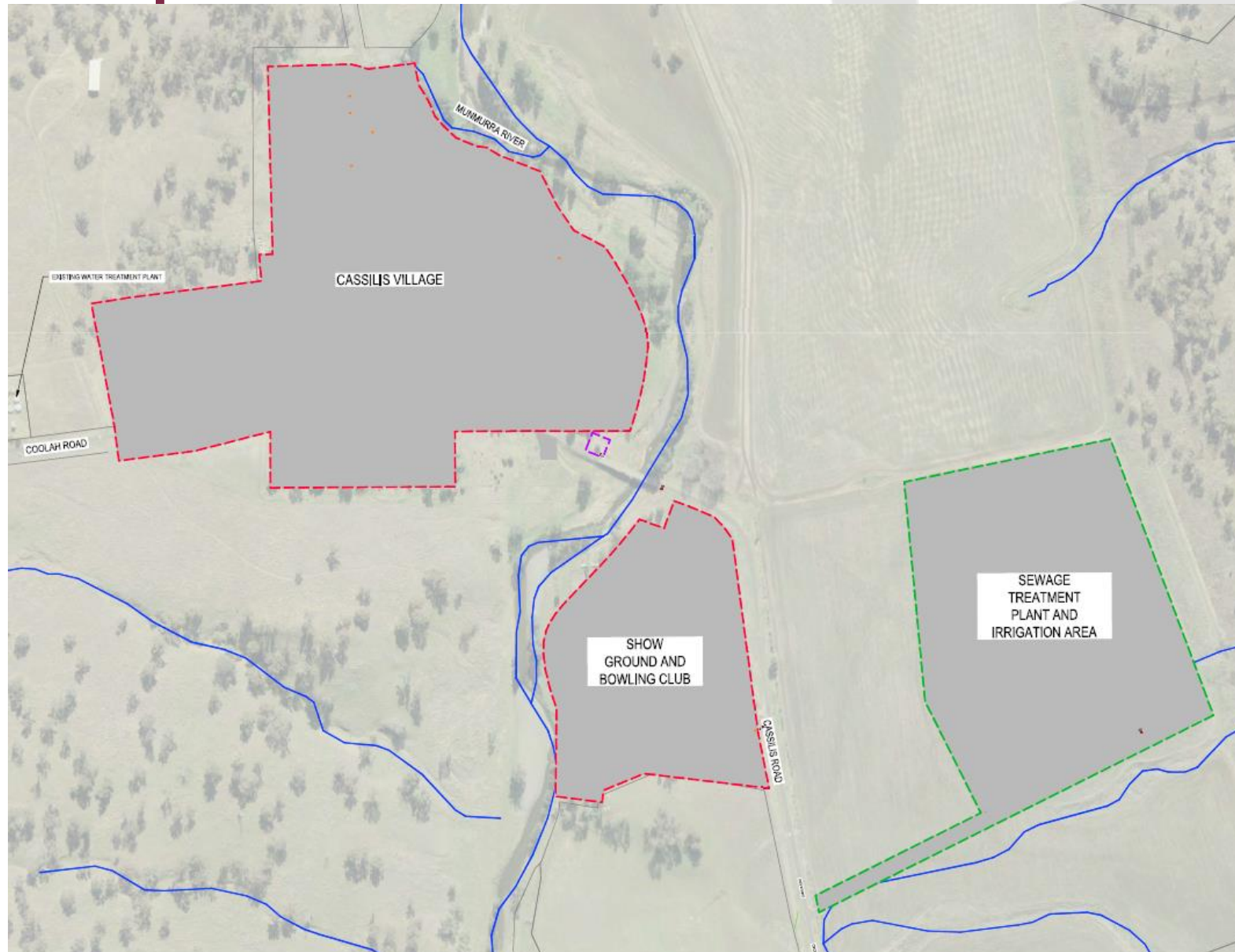


# How the Sewer Works

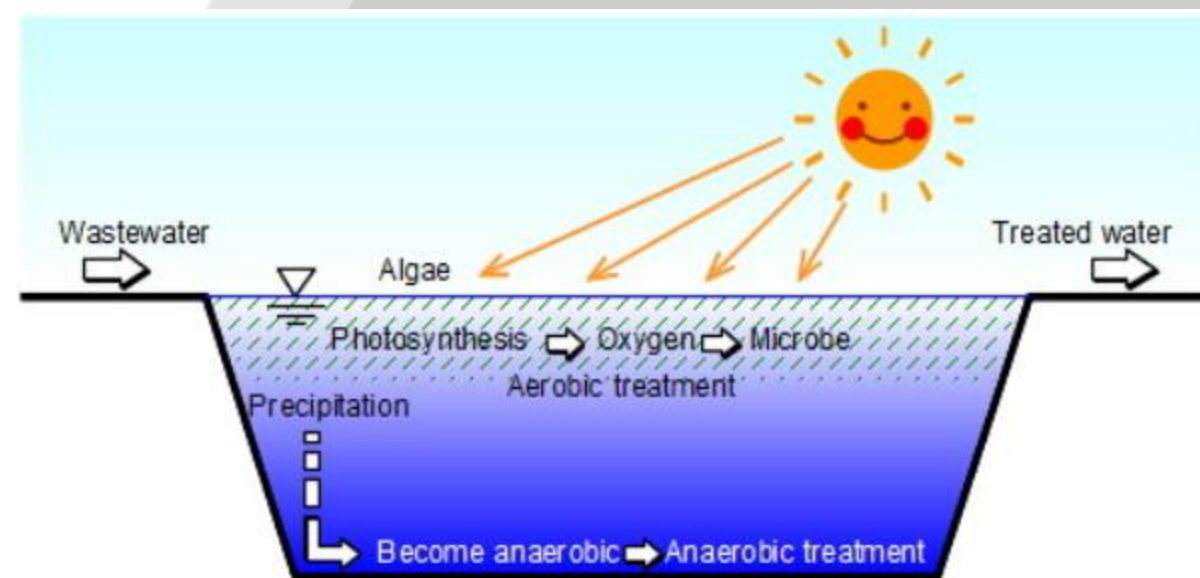
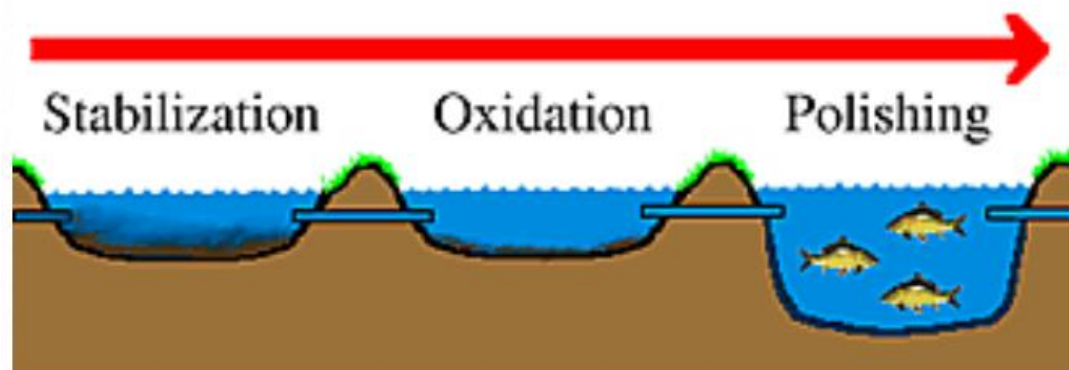




# Project footprint



# Treatment Process



Idea of the lagoon method



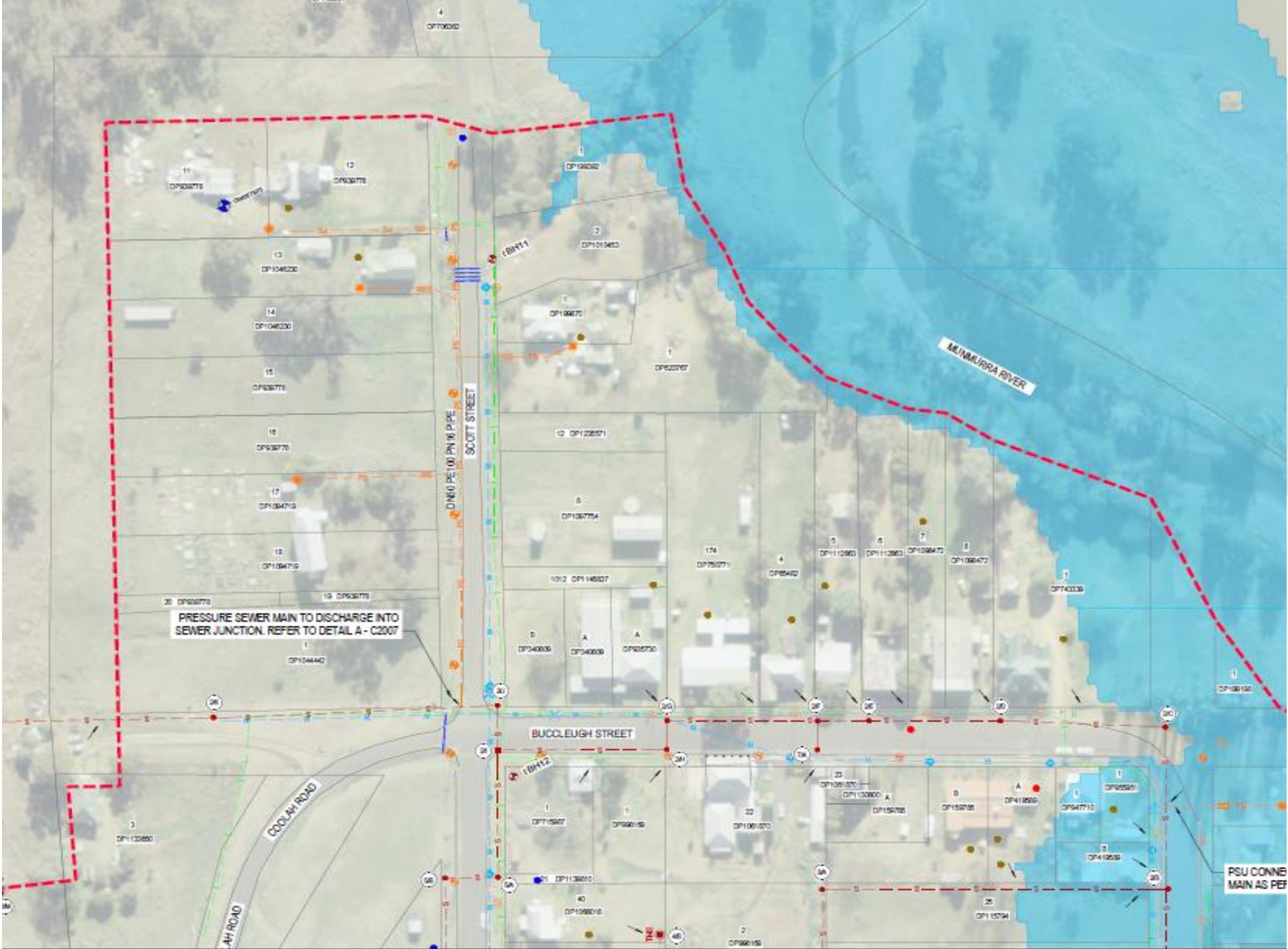
# Cassilis STP location





# Interpreting the final design



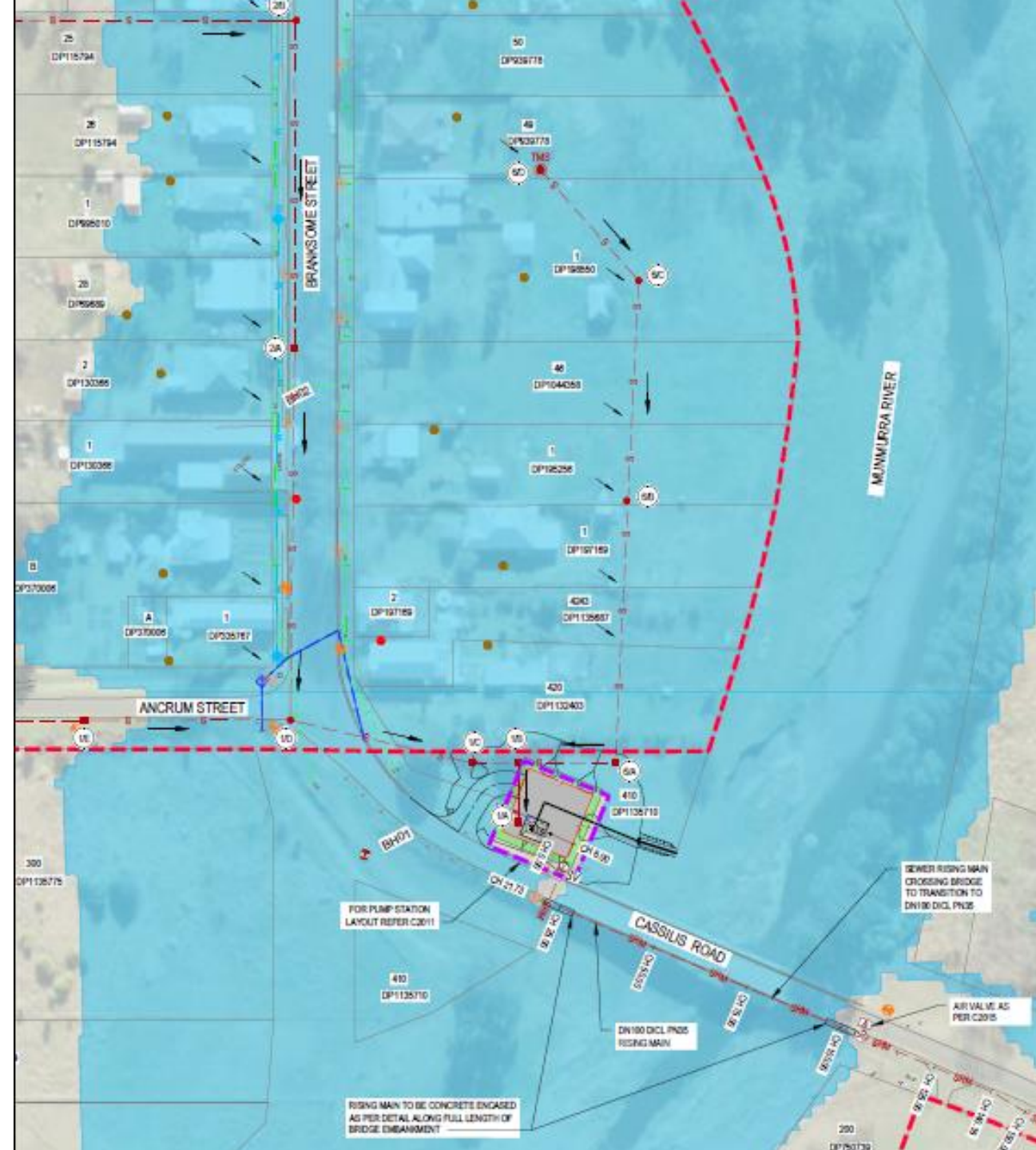








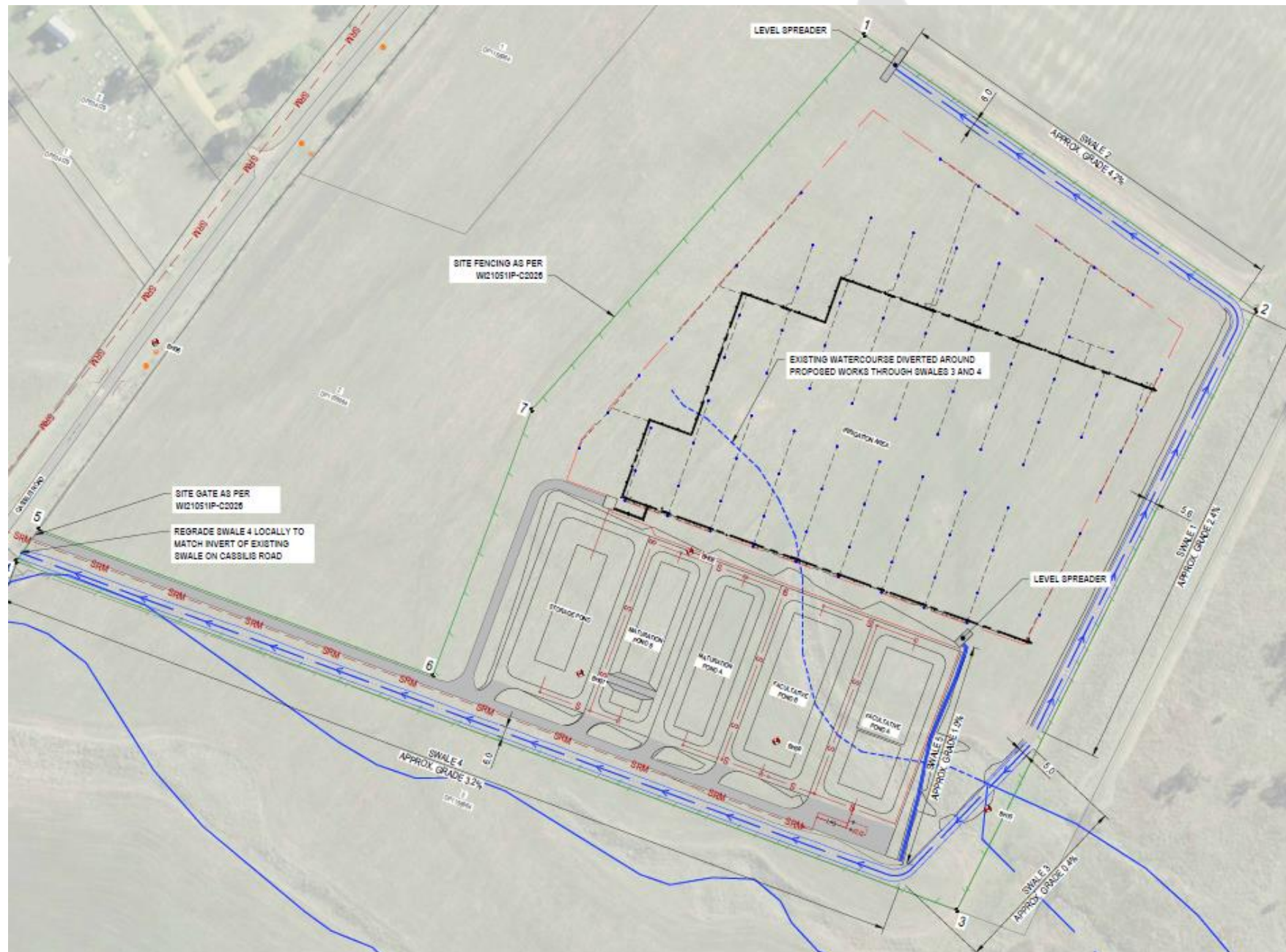
# Location of Pump Station and Hydrology Modelling



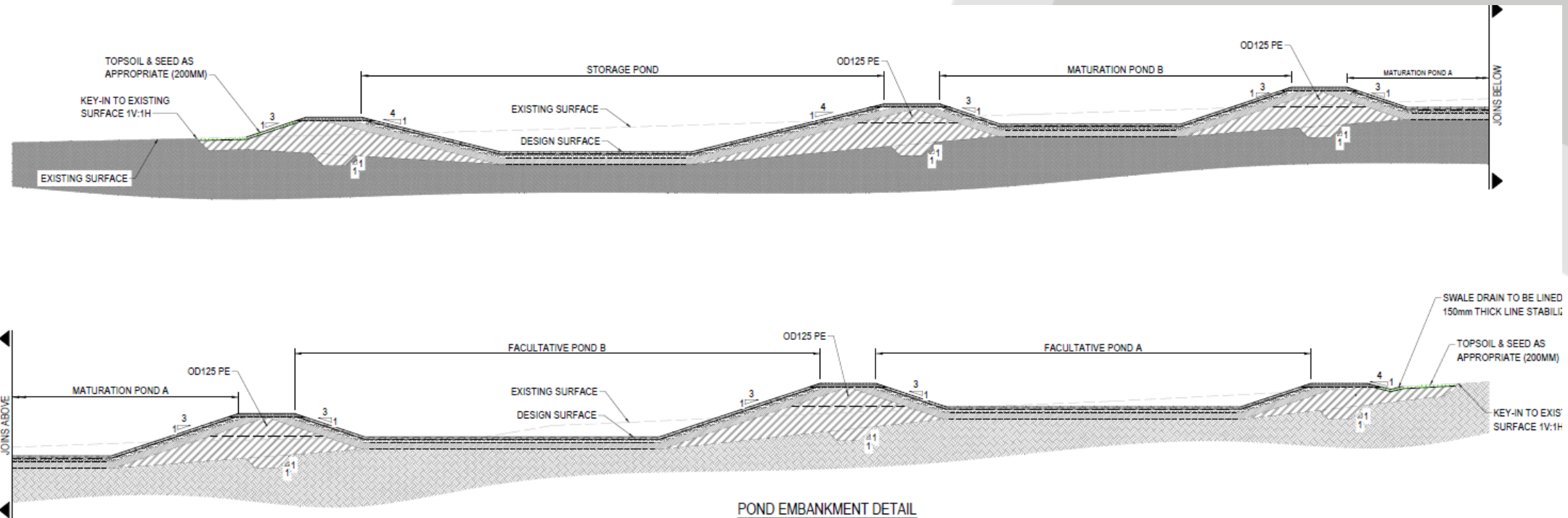


# Treatment Plant – Polishing Ponds





# Cross Section view

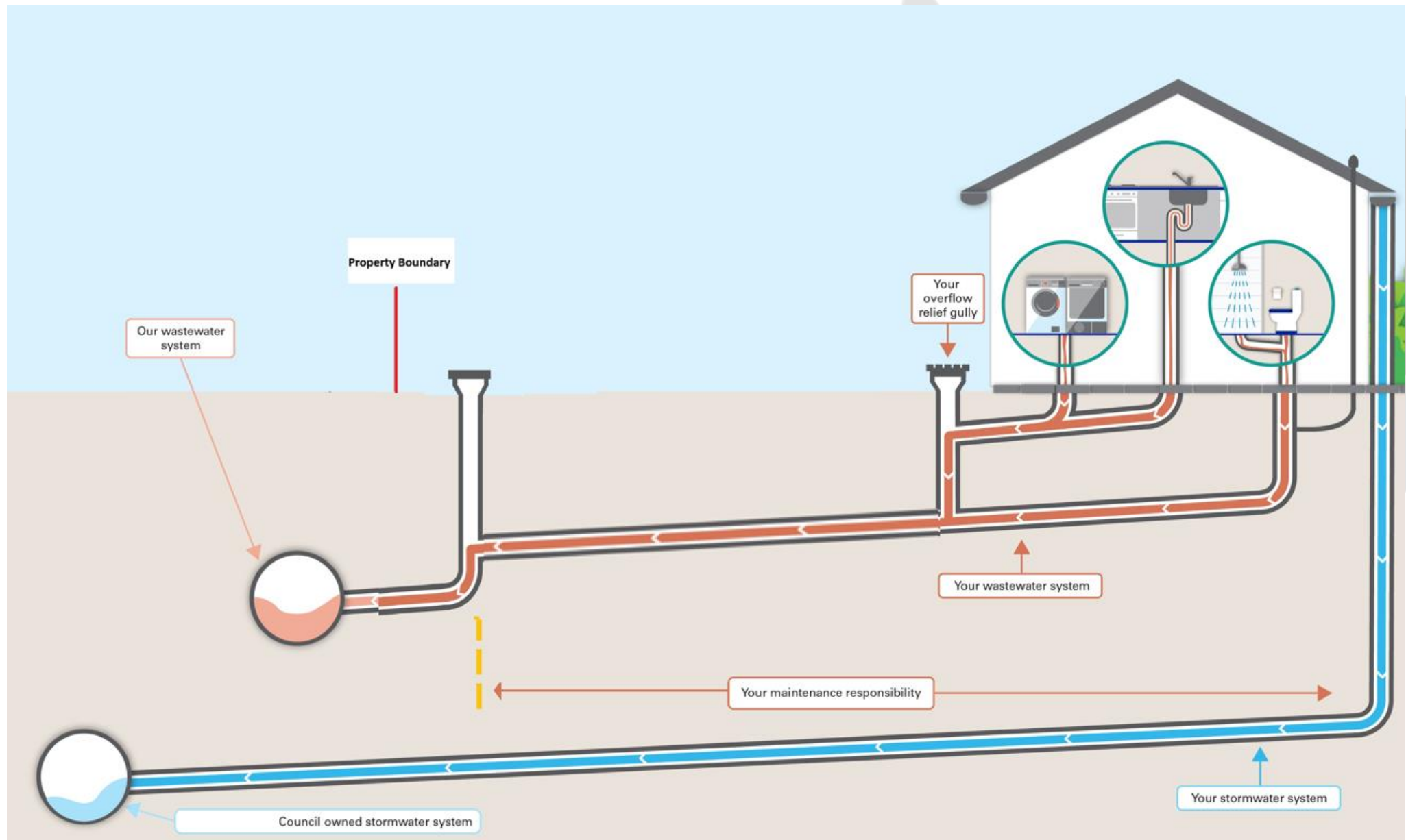


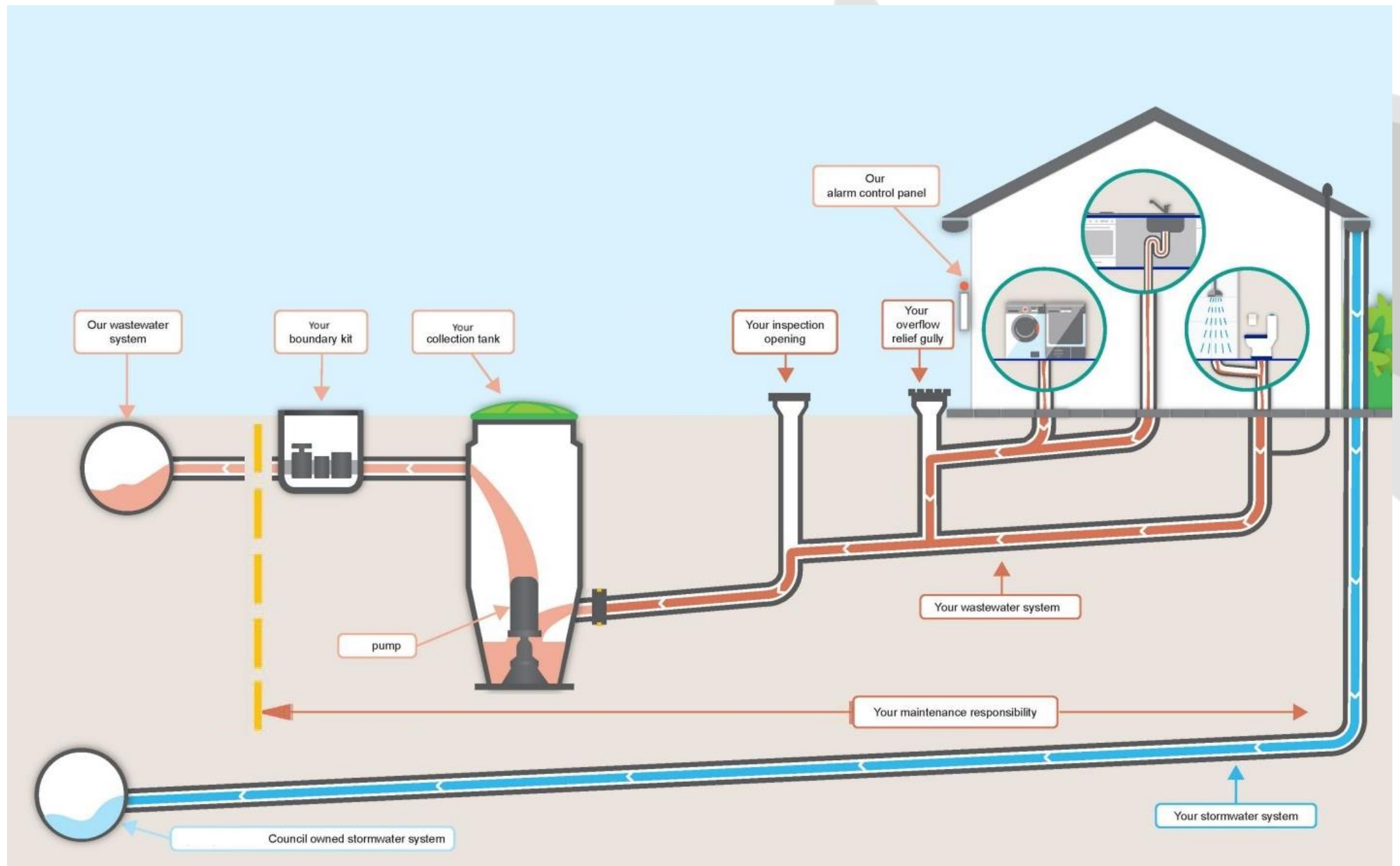


# Design breakdown for households

DRAWING INDEX	
DRAWING No.	DESCRIPTION/ADDRESS
WI21051IP-CI-3000	COVER SHEET
WI21051IP-CI-3001	DRAWING INDEX
WI21051IP-CI-3011	40 COOLAH RD, CASSILIS NSW 2329
WI21051IP-CI-3012	37 COOLAH RD, CASSILIS NSW 2329
WI21051IP-CI-3013	30 COOLAH RD, CASSILIS NSW 2329
WI21051IP-CI-3014	14-16 SCOTT STREET, CASSILIS NSW 2329
WI21051IP-CI-3015	6-12 SCOTT STREET, CASSILIS NSW 2329
WI21051IP-CI-3016	2-4 SCOTT STREET, CASSILIS NSW 2329
WI21051IP-CI-3017	28 SCOTT STREET, CASSILIS NSW 2329
WI21051IP-CI-3018	30-32 SCOTT STREET, CASSILIS NSW 2329
WI21051IP-CI-3019	34-36 SCOTT STREET, CASSILIS NSW 2329
WI21051IP-CI-3010	39-41 ANCRUM STREET, CASSILIS NSW 2329
WI21051IP-CI-3020	35-37 ANCRUM ST, CASSILIS NSW 2329
WI21051IP-CI-3022	31-33 ANCRUM ST, CASSILIS NSW 2329

# Asset ownership and maintenance responsibilities





# Estimated Costs and Revenue

(based on 55 properties)

- Construction \$9.7M inc contingency (fully grant funded)
- Yearly operations \$78,540
- Yearly asset replacement \$30,333
- Revenue from sewer charge \$39,160

Current residential annual charge is set at \$712 across the shire.

$$55 \times \$712 = \$39,160$$



# Estimated Program

Current to Feb 2026 - Pre-tender works including

- Final design review and constructability check
- Section 60 Approval from DCCEEW
- Easement preparation and paperwork
- Tender preparation

Mar 2026 to April 2026 – Tender the works

May 2026 / June 2026 – Council approval

July 2026 to Nov 2028 – Project delivery (Construction)

Jan 2028 to Apr 2028 – Connection of residences

2029 – Completion, reporting and asset capitalisation

# Further Information

- Design Information can be found on Council webpage

<https://www.upperhunter.nsw.gov.au/Council/Major-Projects/Cassilis-Sewer-Treatment-Plant>

Please Scan QR Code



- Council contact details for any questions  
(02) 6540 1100 or [Council@upperhunter.nsw.gov.au](mailto:Council@upperhunter.nsw.gov.au)

**Please Scan QR Code**

