



What are per- and poly-fluoroalkyl substances (PFAS)?

- PFAS are manufactured chemicals that have been used globally in many household, commercial and industrial products, including older firefighting foams.
- These foams have historically been used worldwide by both civilian and military authorities because they are effective in fighting liquid fuel fires.
- PFAS are a concern because these chemicals can accumulate and persist in humans, animals and the environment.
- To maintain an understanding of PFAS movement and contamination levels, Defence routinely monitors PFAS on and around RAAF Base Pearce.





RAAF Base Pearce - Soil Remediation Works

Former Fire Training Area

- The former fire training area is located close to the air traffic control tower on the base.
- Rain runoff from this area enters drainage that runs south and discharges to Ellen Brook and Ki-It Monger Brook.
- This area is difficult to remediate due to the critical underground cables (such as fibre optic and communication lines) that service the air traffic control tower.
- The remediation approach minimises excavation and involves the placement of a waterproof membrane made from clay. This prevents rainwater contacting PFAS contaminated soil.
- Remedial work is underway and is expected to be completed by June 2025.
- This is the last of the remediation works planned for the base.
- Ongoing monitoring of surface water and groundwater will continue after remediation is complete to measure remediation effectiveness over time, and inform Defence if additional management options should be considered in the future.



Preparation of the former fire training area for remediation works in February 2025.



Placing the liner over contaminated soil in March 2025.



Placing clean sand over the liner in April 2025.



Constructing pavement over contaminated soil in April 2025.



RAAF Base Pearce - Soil Remediation Works

Grounds Maintenance Area

- The grounds maintenance area contained the highest concentrations of PFAS in soil on the base.
- Remedial works included excavation to remove these soils. A pavement was then constructed to prevent rainwater coming into contact with remaining PFAS contaminated soil and transporting PFAS off the base in surface water and groundwater.
- The remediation was completed in 2021 and monitoring is ongoing.



Left: Preparation of the grounds maintenance area for remediation works in February 2021.
Above: Completed grounds maintenance area remediation works in April 2021.



Mail Out 2 – Confirming the scope of works and pipeline installation



Initial household plumbing connection works have commenced.

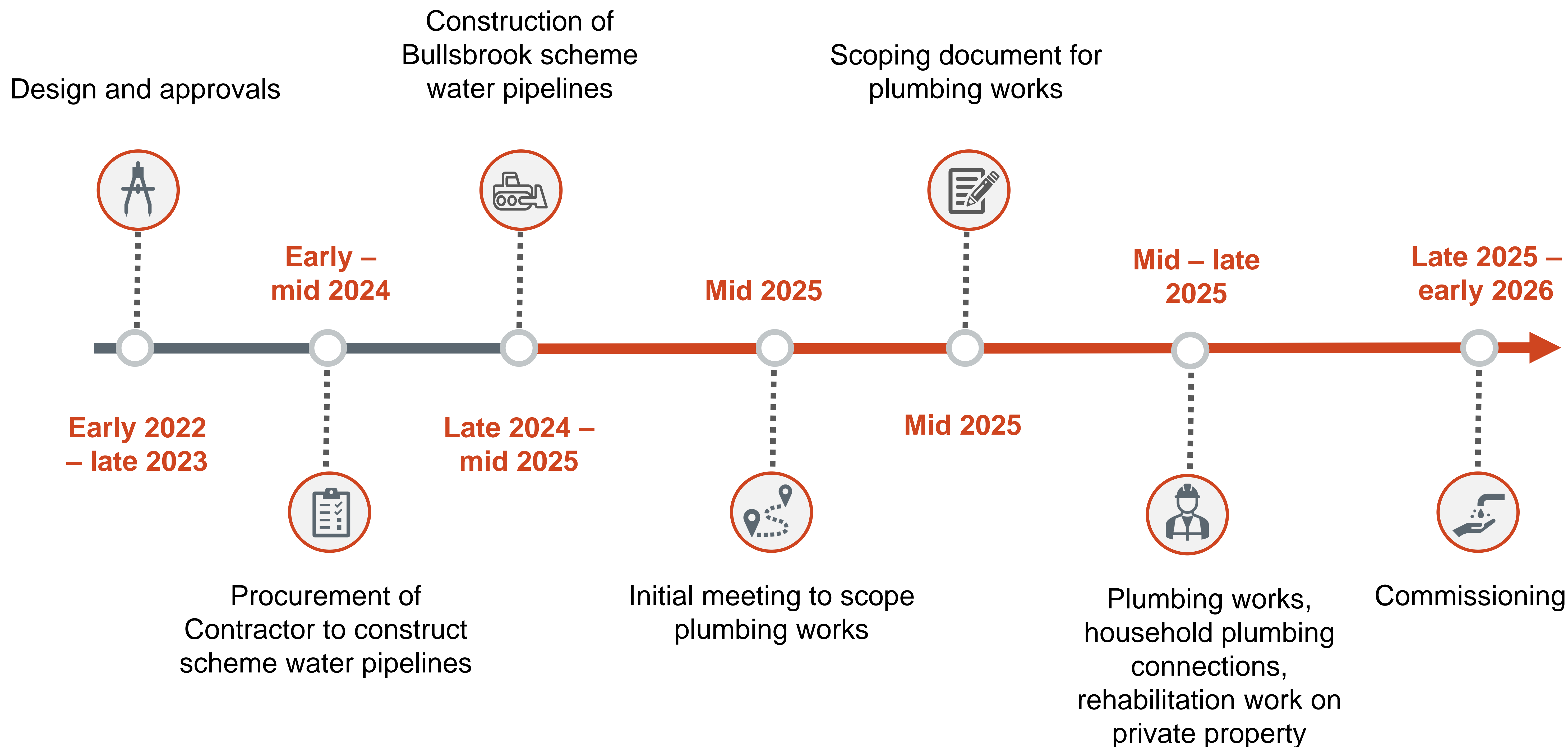
Defence is progressing plumbing connections to supply safe drinking water (scheme water infrastructure) to eligible properties in the RAAF Base Pearce PFAS Management Area.

Here's what to expect during this phase:

- 1. Consultation and plumbing investigations:** Property visits to discuss pipe alignment, existing underground services, ground conditions and conduct pressure tests and fixture assessments.
- 2. Scope of works:** Civcon will create a Scope of Works document based on the plumbing investigation, detailing how the property will be connected to the new water supply. This will be discussed with each property owner.
- 3. Deed agreement:** Property owners to receive and sign deed agreement before works take place
- 4. Consultation and plumbing installation:** Schedule installation dates, install new pipework, water meters and valves. Complete the final connection once the new water main and chlorination facility are ready.
- 5. Reinstatements:** Complete reinstatement works such as concrete, brick paving, turf and asphalt after plumbing is finished.
- 6. Commissioning and handover:** Properties will be transferred onto the new water supply once the water main and chlorination facility are commissioned.



Timeline for Bullsbrook scheme water

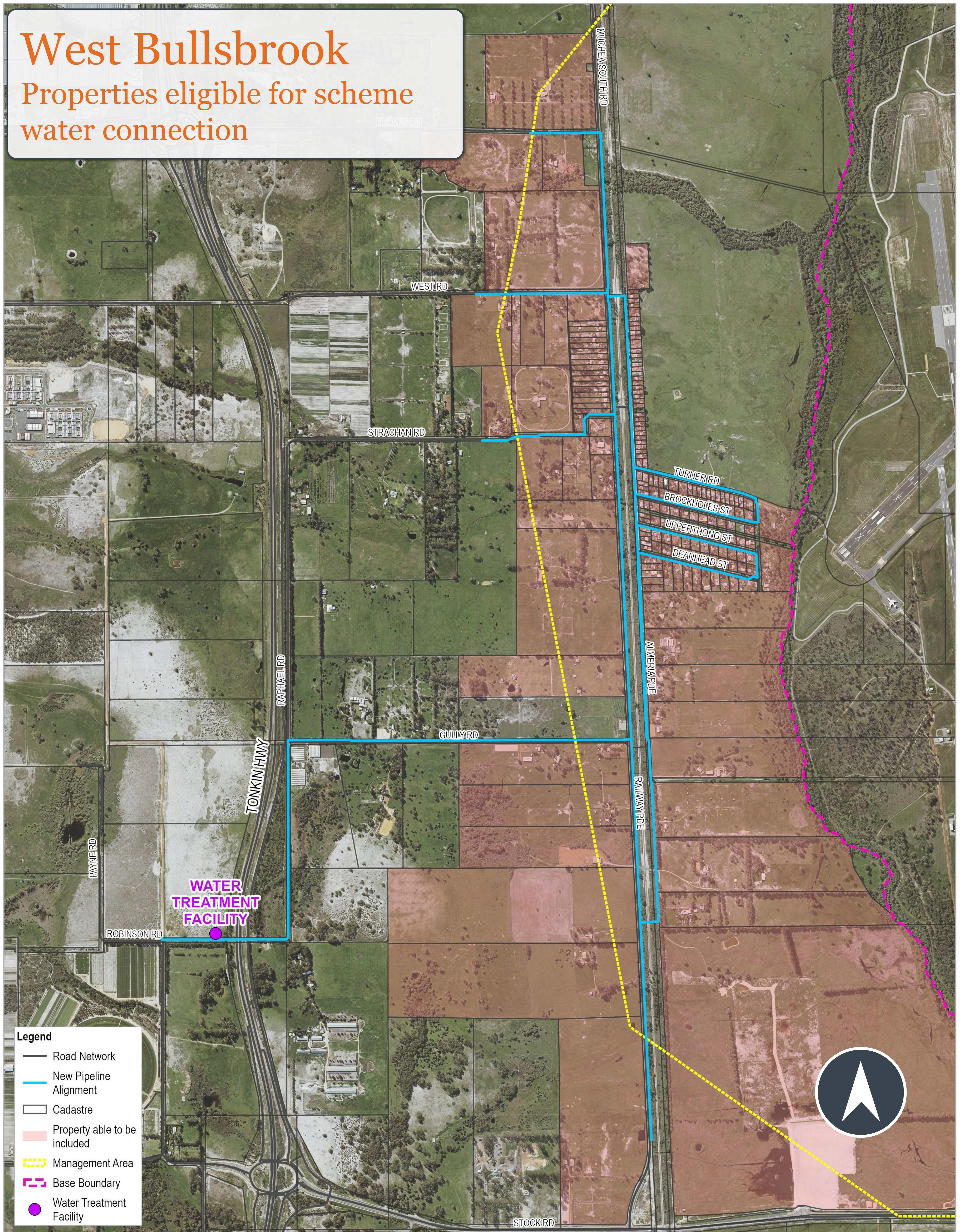


Timeframes are indicative and may change based on weather and site conditions.



West Bullsbrook

Properties eligible for scheme
water connection





South Bullsbrook

Properties eligible for scheme
water connection

