

Brown Hill Keswick Creek Stormwater Project

Project Update September 2024

Welcome

Following another successful year, the Board's recent activities have focussed on audit of financial statements and preparation of the Annual Report for 2023/24. Looking forward, strategic management documents will be prepared in the coming months and construction contracts have recently been awarded for several new packages of work due for construction over the dry months of 2024/25.

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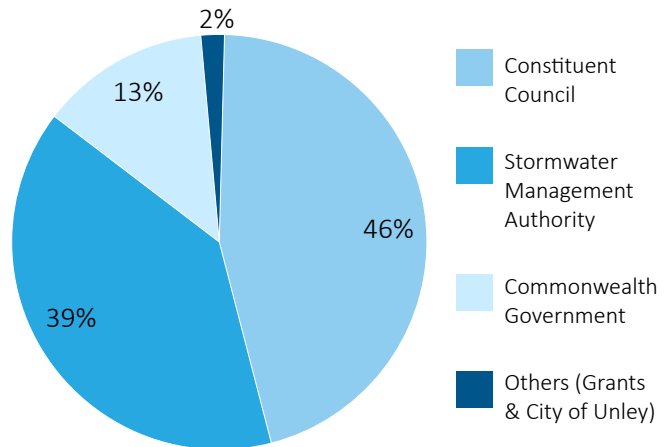
Financial Summary

Capital Funding Summary as at 31 August 2024

Capital funding provided to the project to 31 August 2024 includes:

- \$30.2m from the 5 Constituent Councils – the Cities of Adelaide, Burnside, Mitcham, Unley and West Torrens.
- \$25.9m from the Stormwater Management Authority.
- \$8.8m from the Commonwealth Government, being portion of a total \$21.7m commitment provided under 3 grant programs.
- \$1.1m from other sources including Council contributions to projects within their area and smaller State Government grant programs.

Capital Funding Contributors



2024/25 Operating Summary as at 31 August 2024

	Actual YTD	Budget YTD	Variance \$
Income	\$497,033	\$440,593	\$56,440
Expenses	\$189,028	\$167,926	(\$21,102)
Net Surplus	\$308,005	\$272,667	\$35,338
Depreciation	\$28,087	\$40,000	\$11,913



The Board recently approved the Annual Report and Audited Financial Statements for 2023/24. Focus will now shift to preparation of strategic management documents for 2025/26, including Strategic Plan, Business Plan, Long-Term Financial Plan and Asset Management Plan.

The Board recently secured \$574k in grant funding under Round 2 of the Commonwealth Government’s Disaster Ready Fund. These funds are committed to development of a whole of catchment flood model and to progressing designs for further capacity upgrades in Upper Brown Hill Creek.

Maintenance and Operating Report for Completed Works

Maintenance Responsibility for Completed Works

Stage	Sub-project	Responsibility for Maintenance ¹
Flood Detention	Ridge Park Flood Control Dam	City of Unley
	Glenside Flood Detention Basin	BHKCSB – stormwater infrastructure delivered under the plan. City of Burnside – all non-stormwater assets located on site.
	Pakapakanthi Wetland and Kurangga Creek Works	BHKCSB – stormwater infrastructure delivered under the plan. City of Adelaide – all existing and non-stormwater assets on site.
LBHC	LBHC – Daly Street Bridge	BHKCSB – stormwater infrastructure delivered under the plan. City of West Torrens – road components of the project.
UBHC	UBHC Area 1 Everard Park	BHKCSB – stormwater infrastructure delivered under the plan (culvert). City of Unley – ground level shared use path improvements.
	UBHC Diversion – DPTI Culvert	DPTI
	UBHC Hawthorn Reserve	BHKCSB – stormwater infrastructure delivered under the plan. City of Mitcham – all existing and non-stormwater assets on site

¹ Responsibility for clearing blockages within the creek is always the responsibility of the property owner.

2024/25 Maintenance & Operating Budget to 31 August 2024

	YTD Actual	YTD Budget	Variance \$
Glenside Detention Basin ¹	\$40,599	\$25,725	\$14,874
Pakapakanthi Wetland ²	\$24,673	\$26,250	(\$1,577)
Other Works ³	\$0	\$1,667	(\$1,667)
Total⁴	\$65,272	\$53,642	\$11,630

¹ First GPT clean for 2024/25 was undertaken 12th to 16th August.

² Wetland maintenance was undertaken by ecoDynamics on monthly basis for July and August and will continue under new maintenance contract commencing 1 September 2024.

³ Other works include any operating and maintenance requirements that don't relate to the wetland or Glenside site.

⁴ Total actual expense to 31 August 2024 is ahead of budget as the first Glenside GPT cleans were completed in August 2024.

Project Delivery

The Stormwater Management Plan outlines a whole of catchment flood mitigation strategy that is being delivered in 4 key stages.

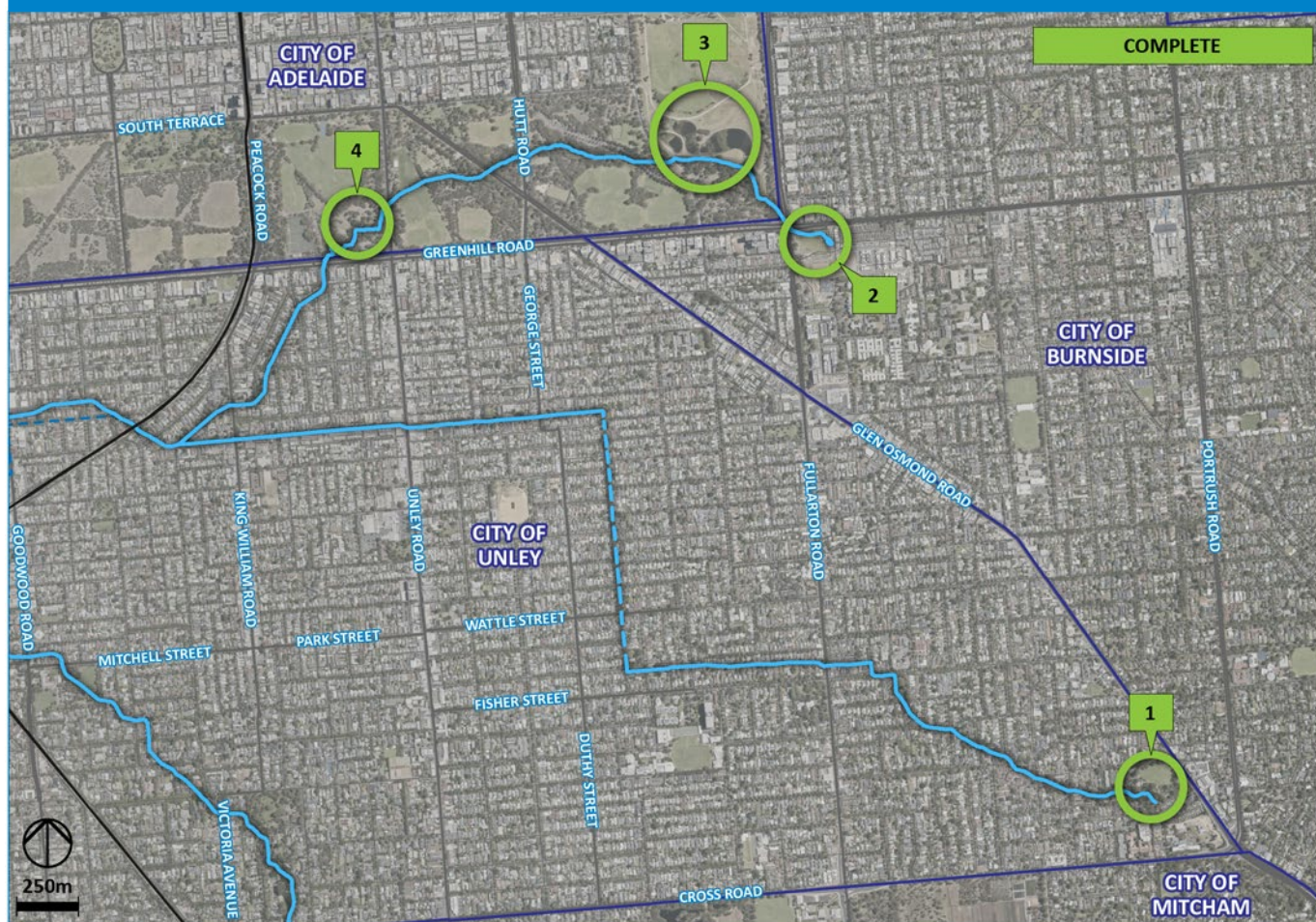
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Stage 1 - Flood Detention

Detention storages in the upper catchment that will reduce the downstream flow rates. All Stage 1 works are complete.

COMPLETE

Stage 1 Capital Works



- | | |
|---------------------------------------|--|
| 1 Ridge Park Flood Control Dam | 3 Pakapakanthi Wetland in Victoria Park (Park 16) |
| 2 Glenside Detention Basin | 4 Kurangga Creek Works in Blue Gum Park (Park 20) |

Project Delivery

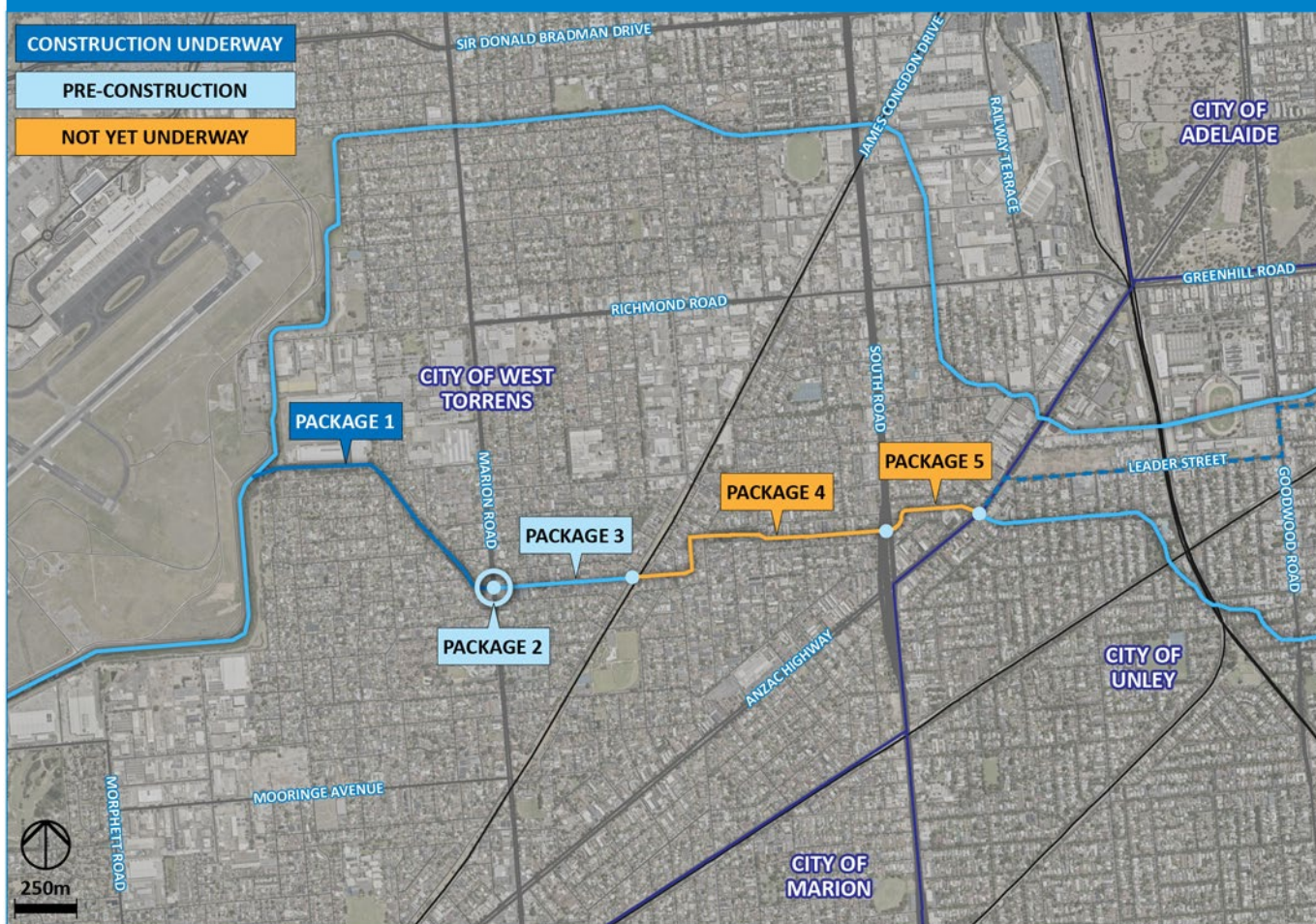
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Stage 2 - Lower Brown Hill Creek Upgrades

Upgrading the flow capacity of Lower Brown Hill Creek so that it can receive the diverted flows from Keswick Creek. The Upgrades are being delivered in 5 work packages with Packages 1-3 underway.

IN PROGRESS

Stage 2 Capital Works



WORK PACKAGES

- | | | |
|----------------------------------|-----------------------------------|-------------------------------|
| 1 Watson Avenue to Marion Road | 3 Marion Road to Birdwood Terrace | 5 South Road to Anzac Highway |
| 2 Marion Road Bridge Replacement | 4 Birdwood Terrace to South Road | |

Project Delivery

Lower Brown Hill Creek Upgrades

Lower Brown Hill Creek comprises a 3.3 kilometre-long section of channel extending from the south-eastern corner of Adelaide Airport at the downstream end to a crossing point at Anzac Highway at the upstream end. The channel is primarily situated within City of West Torrens owned drainage corridor, except for a small portion that runs within privately owned land. The upgrades involve doubling the flow capacity through replacement of the existing open channel with a new 6-6.8 metre-wide by 1.8 metre-high rectangular shaped concrete channel, and equivalent sized road crossings.

The Lower Brown Hill Creek capacity upgrades are divided into 5 work packages and the Board secured \$10m in Commonwealth Government funding under the Preparing Australian Communities Program to contribute toward delivery of Packages 1-3 over 3 years. The Commonwealth funding is being matched by funding from Constituent Councils and the Stormwater Management Authority.

Packages 1-3 extend for 1.7 kilometres from Adelaide Airport at the downstream end to Birdwood Terrace at the upstream end. Construction of package 1 commenced late in 2022 and works to Harvey Avenue are now being completed. Construction tenders were recently awarded for delivery of the remainder of package 1, and the entirety of packages 2 and 3 in the dry months of 2024/25.



Channel construction through to completion

Packages 1-3 of the Lower Brown Hill Creek upgrades are being delivered with the support of funding from the Australian Government provided under the Preparing Australian Communities Program.

Project Delivery

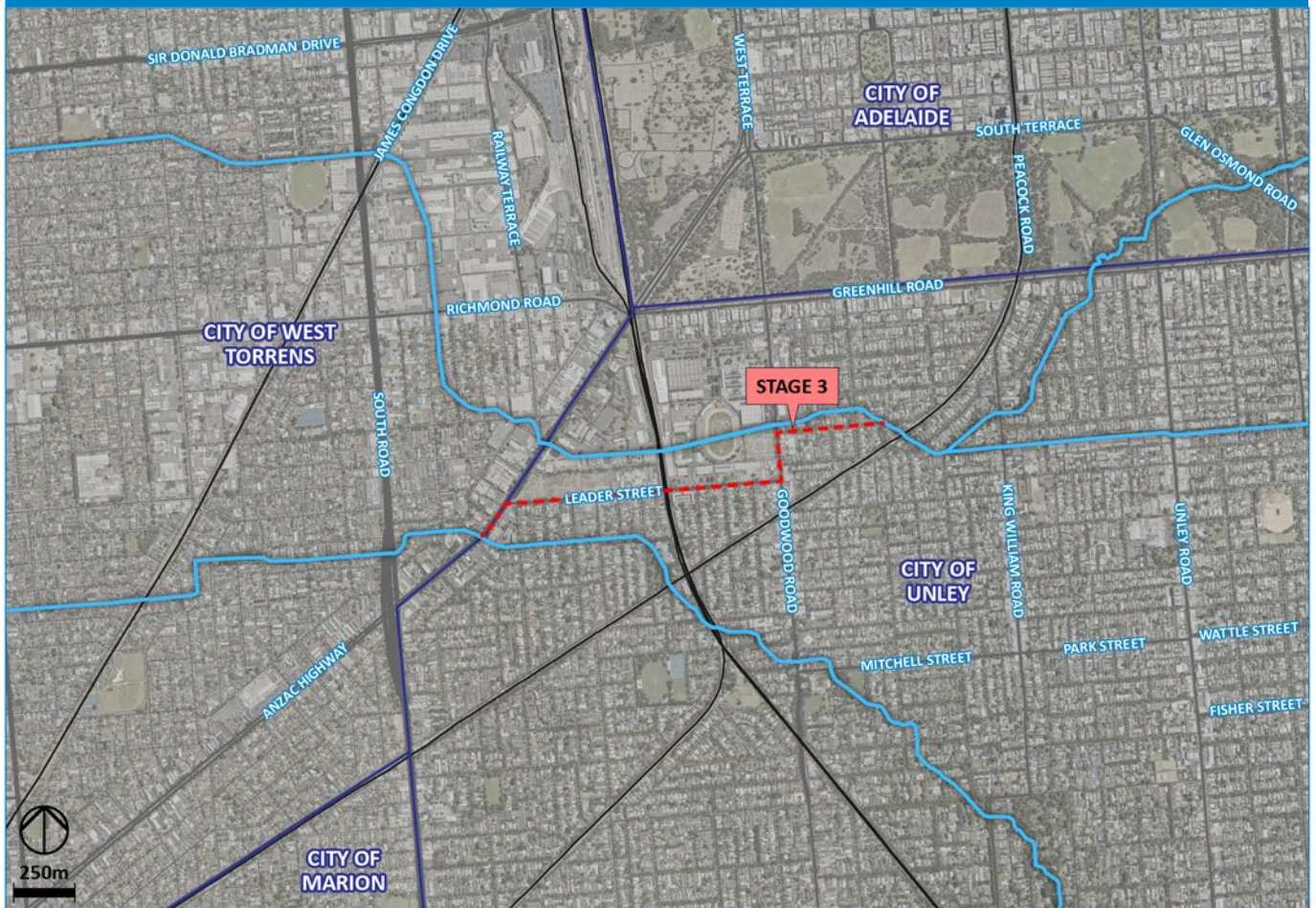
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Stage 3 - Keswick Creek Flow Diversions

The Keswick Creek Flow Diversions will divert flows from Keswick Creek to the upgraded Lower Brown Hill Creek before they can ‘break-out’ of the channel. These works are currently unfunded and on hold. Reference design plans for the Keswick Creek Flow Diversions are currently being progressed to detailed design stage and these works are ongoing, including consideration of an alternate alignment.

ON HOLD

Stage 3 Capital Works



Project Delivery

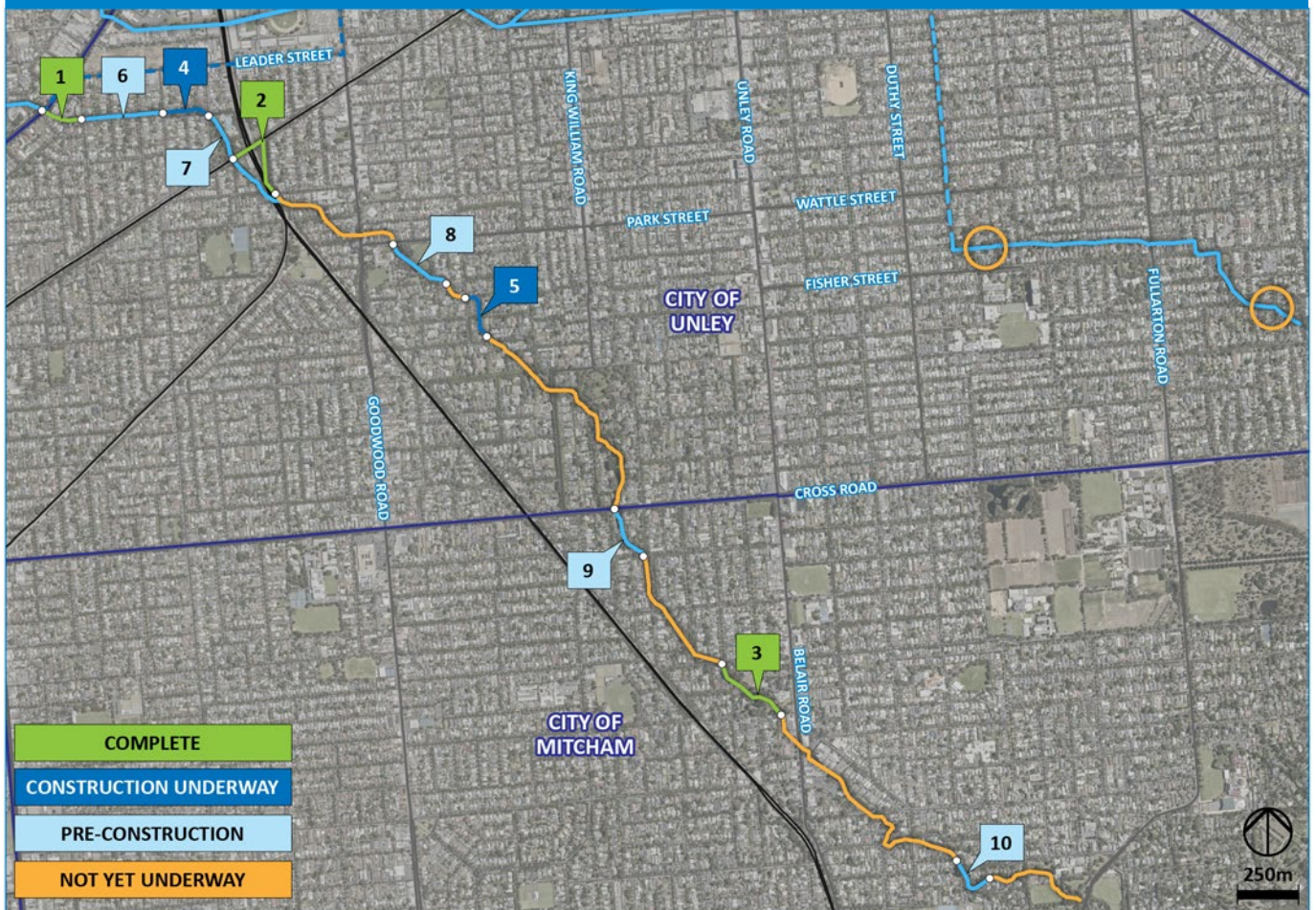
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Stage 4 - Upper Brown Hill and Glen Osmond Creek Upgrades

Upgrading the flow capacity of Upper Brown Hill Creek and Glen Osmond Creek to prevent 'break-outs' and flooding of private property. Key hot spots are being targeted to align with grant funding opportunities.

IN PROGRESS

Stage 4 Capital Works



- | | |
|---|--|
| 1 Everard Park- Anzac Highway to Third Avenue | 6 Forestville- Third Avenue to Leah Street |
| 2 Diversion Culvert | 7 Forestville Reserve |
| 3 Hawthorn Reserve | 8 Orphanage Park |
| 4 Forestville- Leah Street to Ethel Street | 9 Hawthorn- Cross Road to Hampton Street |
| 5 Millswood- Regent Street to Malcolm Street | 10 Betty Long Gardens |

Project Delivery

Forestville – Leah Street to Ethel Street

These upgrades involve raising the height of the existing channel walls by 600mm and remediating the floor and walls of the existing channel. This section of channel runs within Council drainage corridor for the majority of its length with a small portion intersecting privately owned land at the eastern Ethel Street end.

Works commenced in June 2024 and are due to be completed later in 2024.



Channel Construction



Channel Upgrade

Millswood – Regent Street to Malcolm Street

Works are underway to double the capacity of this section of Brown Hill Creek, from just downstream of Regent Street to Malcolm Street at the upstream end, including upgrade of the Regent Street culvert. The entirety of the creek in this location traverses through privately owned property and the project team have been engaging closely with property owners over the course of design development and during construction.

Delivering in a heavily constrained environment, the works have been designed in collaboration with property owners to meet the flow capacity requirements while being sympathetic to the natural environment and the individual and unique objectives of each owner.

Project Delivery

Scheduled Upper Brown Hill Creek Upgrades

The Board has recently commenced the design process for several sections of Upper Brown Hill Creek that are scheduled for construction in the 2025/26 financial year. Site investigations will commence shortly to inform the design process and better understand current conditions. These works are located across the Cities of Unley and Mitcham within privately owned property and Council-owned reserves, as follows:

- Forestville – Third Avenue to Leah Street
- Forestville Reserve
- Orphanage Park
- Hawthorn – Cross Road to Hampton Street
- Betty Long Gardens

The scheduled Upper Brown Hill Creek upgrades are being delivered with the support of funding from the Australian Government provided under the Urban Rivers and Catchments Program and the Disaster Ready Fund.



Hawthorn Reserve