

# Brown Hill Keswick Creek Stormwater Project

## Project Update November 2024

### Welcome

The Board has recently endorsed strategic documents including Strategic Plan, Business Plan, Long-Term Financial Plan and Asset Management Plan. The coming months will focus on construction of the final packages of the Lower Brown Hill Creek Upgrades through to Birdwood Terrace and design development of several new packages in Upper Brown Hill Creek.

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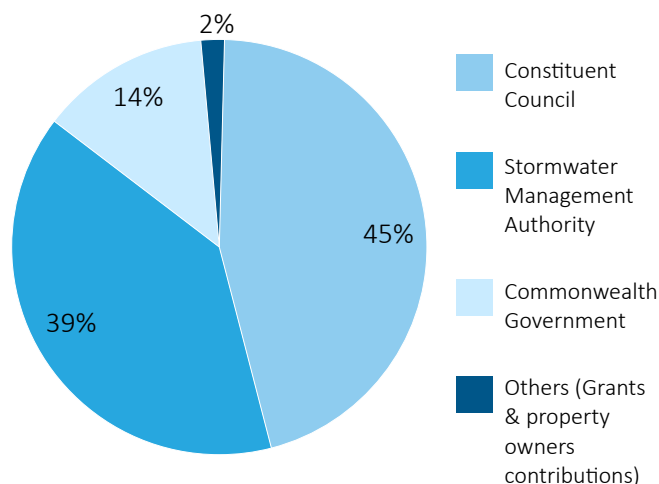
# Financial Summary

## Capital Funding Summary as at 31 October 2024

Capital funding provided to the project to 31 October 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.
- \$9.3m from the Commonwealth Government, being portion of a total \$21.6m commitment provided under 3 grant programs.
- \$1.12m from other sources including property owner contributions to projects and smaller State Government grant programs.

### Capital Funding Contributors



## 2024/25 Operating Summary as at 31 October 2024

	Actual YTD	Budget YTD	Variance \$
Income	\$590,660	\$492,167	\$98,493
Expenses	\$317,869	\$338,055	(\$20,186)
<b>Net Surplus</b>	<b>\$272,791</b>	<b>\$154,112</b>	<b>\$118,679</b>
Depreciation	\$64,116	\$80,000	(\$15,884)



The Board recently endorsed strategic management documents for 2025/26 and beyond, including Strategic Plan, Business Plan, Long-term Financial Plan and Asset Management Plan. These documents are critical to ensuring the Board effectively and equitably manages project delivery and ensures ongoing financial sustainability.

# Maintenance and Operating Report for Completed Works

## Maintenance Responsibility for Completed Works

Stage	Sub-project	Responsibility for Maintenance <sup>1</sup>
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

<sup>1</sup> 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 <sup>1</sup>	\$40,599	\$51,450	(\$10,851)
Pakapakanthi Wetland <sup>2</sup>	\$48,348	\$52,500	(\$4,153)
Other Works <sup>3</sup>	\$0	\$3,333	(\$3,333)
<b>Total</b>	<b>\$88,947</b>	<b>\$107,283</b>	<b>(\$18,336)</b>

<sup>1</sup> First GPT clean for 2024/25 was undertaken 12th to 16th August. The next clean is scheduled for November.

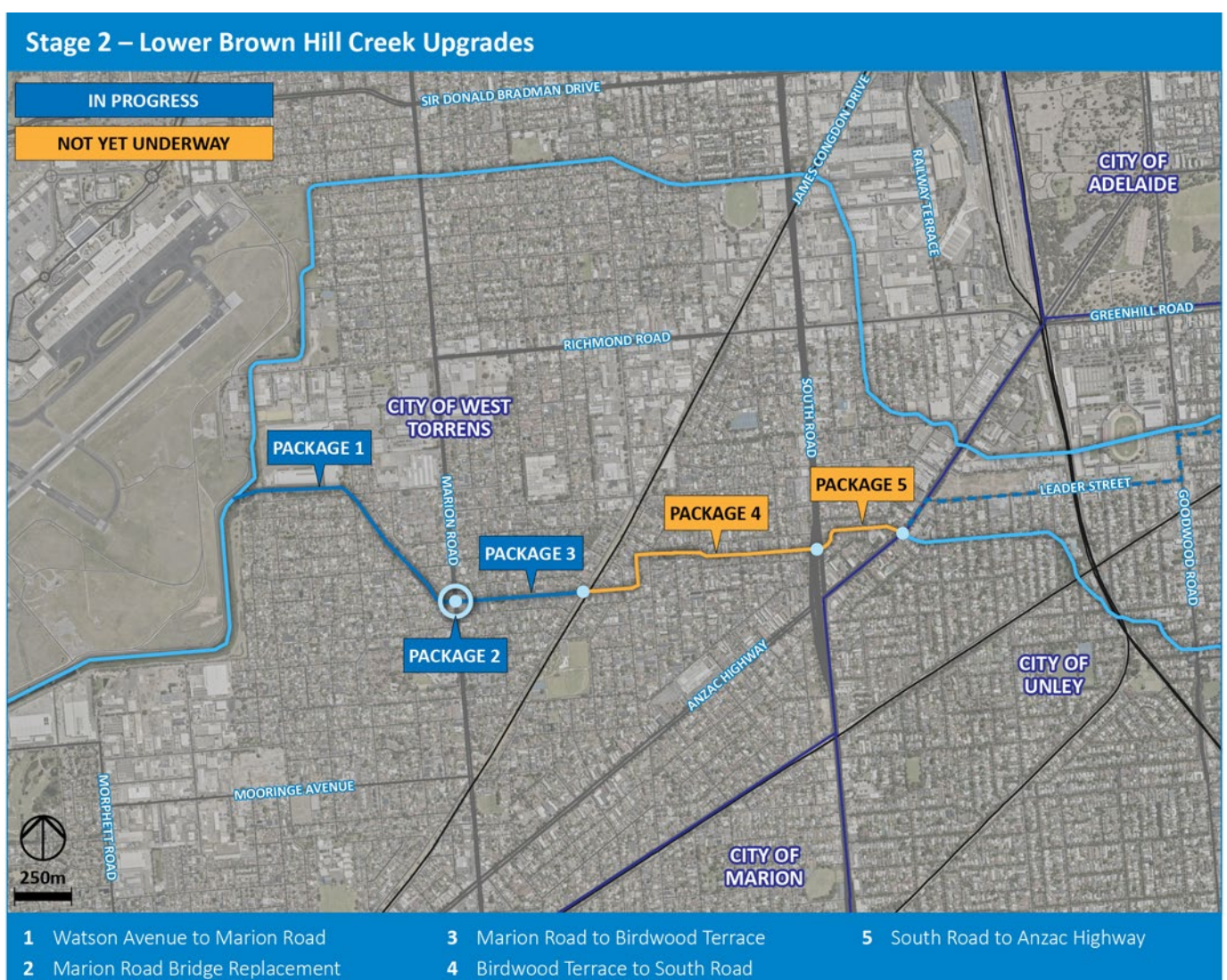
<sup>2</sup> Wetland maintenance services are being provided under a new maintenance contract that commenced on 1 September 2024. Replanting occurred in October.

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

# Lower Brown Hill Creek Packages 1 -3

Packages 1 to 3 of the Lower Brown Hill Creek Upgrade will involve doubling the flow capacity of a 1.7-kilometre-long section of channel beginning at the south-eastern corner of Adelaide Airport and ending at Birdwood Terrace. The channel is primarily situated within a 12-metre-wide drainage corridor owned by City of West Torrens.

The upgrades will comprise a 6.8 metre wide by 1.8 - 2.1 metre high rectangular concrete channel (or an equivalent sized covered culvert) and the upgrade of four crossings using either box culverts or single span bridge structures.



# Lower Brown Hill Creek Packages 1 -3 continued...

## Key Messages

The Early Contractor Involvement (ECI) phase is underway for all remaining work packages. A key focus area for the ECI phase has been the coordination of construction staging and traffic management for the Marion Road crossing with DIT's Traffic Management Centre and service authorities. DIT has provided in-principle support for commencing the crossing upgrades during the Christmas school holidays when traffic volumes are lower than average.

Detailed design of the temporary support to the transmission gas main at the Birdwood Terrace crossing has also been progressed with APA Gas, ahead of works commencing at that location in early 2025.

The tree removal and site establishment for the channel upgrades from Harvey Avenue to Birdwood Terrace has commenced.



## Recent Works and Focus Areas

### Recent activities

- Early Contractor Involvement phase for works extending from Harvey Avenue to Birdwood Terrace.
- Site investigations to finalise private property protection works for channel upgrades.
- Coordination of construction staging and traffic management for Marion Road crossing with DIT's Traffic Management Centre and service authorities.
- Coordination of construction staging for Birdwood Terrace crossing with service authorities.
- Independent Design Certification completed for Marion Road crossing.
- Execution of voluntary Licence Agreements with property owners that are directly affected by works extending from Harvey Avenue to Birdwood Terrace.
- Commencement of tree removals and private property protection works.

### Upcoming Works

- Award of construction contracts for remaining packages to Birdwood Terrace.
- Minor service authority relocation works at Marion Road crossing and Birdwood Terrace crossing.
- Commence works on Marion Road crossing in December school holidays, subject to DIT approval.
- Complete manufacturing of precast culvert arches for Marion Road crossing.

# Upper Brown Hill Creek Area 3, Millswood

The capacity of the section of Brown Hill Creek from just downstream of Regent Street to Malcolm Street Millswood is being upgraded, including upgrade of the Regent Street culvert. The creek passes through several privately owned properties and the project team have been engaging closely with owners over the course of the design development and during construction.

## Key Messages

The remaining works through 14 Malcolm Street, including rock walls and landscape reinstatement, have re-commenced and are expected to take 2-3 months to complete.

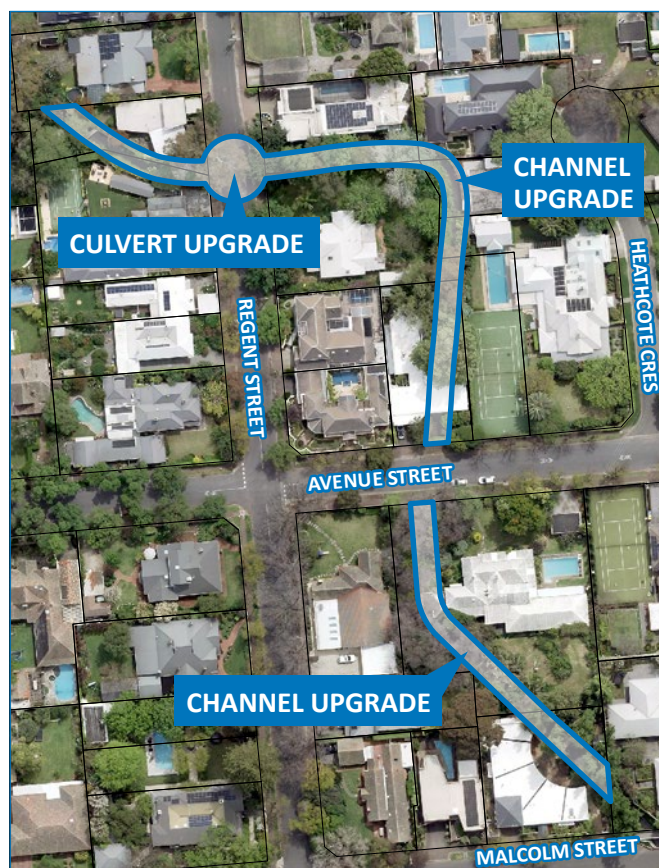
## Recent Works and Focus Areas

### Recent activities

- Re-mobilisation to site and resumption of works in 14 Malcolm Street.
- Landscape works within properties where construction is complete.

### Upcoming works

- Construction of new stacked rock walls and landscape reinstatement at 14 Malcolm Street.
- Construction of new shade structure at 14 Avenue Street.



# Upper Brown Hill Creek Area 1C, Forestville

The Leah Street to Ethel Street reach of Upper Brown Hill Creek is situated in a Council owned drainage corridor (fenced between private properties), except where it passes through private property at 16 and 18 Ethel Street. The height of the existing concrete channel needed to be raised by 0.6 metres, over a length of 175 metres, to contain the 1% Annual Exceedance Probability (AEP) design flow.

## Key Messages

The channel upgrades commenced in June 2024 and have been recently completed.

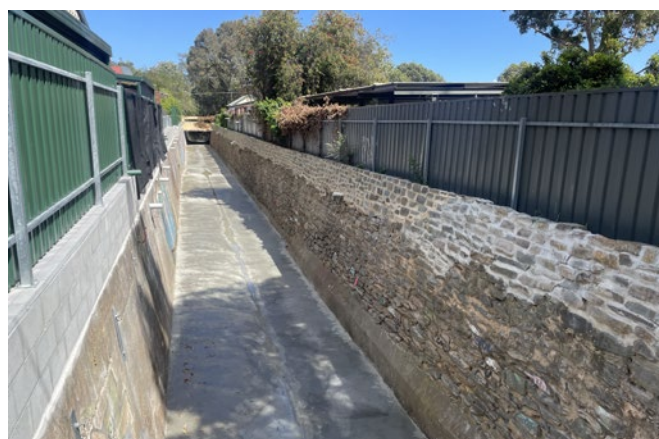
## Recent Works and Focus Areas

### Recent activities

- Establishment of voluntary Licence Agreements with private property owners to undertake channel upgrades on their land.
- Completion of channel wall raising and associated fencing upgrades.

### Upcoming works

- Practical Completion inspection for channel upgrades.

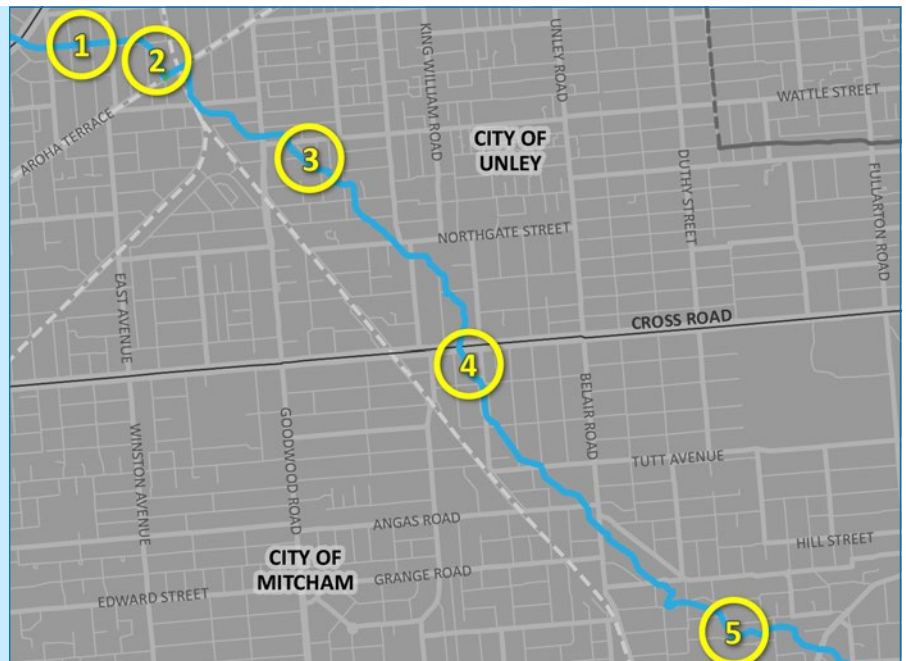


# Upper Brown Hill Creek Commonwealth Funded Projects

Five Upper Brown Hill Creek sub-projects have been funded by the Commonwealth Government's Urban Rivers and Catchments Program and Disaster Ready Fund and are scheduled for construction in the 2025/26 financial year, with the option to extend the on-ground works into 2026/27 if required.

The works will include upgrades through both private property and public open space and are located within the Cities of Unley and Mitcham as follows:

1. UBHC Area 1 – Third Avenue to Leah Street, Forestville
2. UBHC Area 1 – Forestville Reserve
3. UBHC Area 2 – Orphanage Park
4. UBHC Area 5 – Cross Road to Hampton Street, Hawthorn
5. UBHC Area 6 – Betty Long Gardens



## Private Property Interface

These sub-projects are being delivered in accordance with the *Delivery Framework for Channel Upgrades*, which establishes a series of gateways for the involvement of property owners in the design of upgrades through their land.

Individual site meetings have been held with all property owners affected by the works in Hawthorn and Betty Long Gardens to obtain their feedback on the reference designs and progress to the preliminary 50% design stage.

## Project Team

An open Request for Tender was undertaken to engage suitably qualified consultants to provide specialist input to the detailed design and construction of these sub-projects. The RFT included several technical disciplines, and the successful consultants for design and construction support services are listed below:

- Arboriculture Services – Adelaide Arb
- Ecological Services – WSP
- Environmental Services – Tonkin Consulting
- Geotechnical Services – WGA
- Landscape Architects – Aspect Studios and Oxigen
- Survey Services (Boundary and Engineering) – Alexander Symonds



# Upper Brown Hill Creek Commonwealth Funded Projects

## Design Update

WGA has progressed the civil engineering designs to the preliminary 50% design stage, incorporating property owner and previous Council feedback. Aspect Studios and Oxigen are currently preparing photomontages and landscape designs based on these preliminary civil engineering designs.

The arborist and boundary surveyor have completed their field investigations and the ecologist, environmental and geotechnical engineers will complete their field investigations in November. A constructability review and staging plan is also being developed.



## Next Steps and Community Consultation

Preliminary designs for the upgrades through public open space will be presented to City of Unley/Mitcham staff and Elected Members in early 2025, followed by a series of community information sessions. Outcomes from this consultation will enable the detailed designs to be finalised.

The detailed designs for the sections of channel through private property will continue with input from property owners, in parallel with the community engagement process.

