

# BROWN HILL KESWICK CREEK STORMWATER PROJECT

## PROJECT UPDATE

March 2011

### STORMWATER MANAGEMENT IN THE SOUTH PARK LANDS

This update outlines the status of stormwater management in the South Park Lands which is a part of the Brown Hill Keswick Creek Stormwater Project.

Technical investigations and preliminary consultation with stakeholders resulted in the completion of a feasibility study during 2010. This study confirmed that the flood risk from large storms (such as the 1 in 100 year storm) could be reduced downstream of the Park Lands by using three areas for temporary flood storage. The three areas are:

- North-west corner of Glenside Campus
- Southern part of Victoria Park in the area identified in the Victoria Park Master Plan as a site for stormwater wetlands
- Southern part of Park 20 (between Peacock and Unley Roads)

In addition to flood reduction, the feasibility study identified opportunities for water quality improvement, stormwater harvesting and environmental and recreational enhancement.

### Concept Design

The following pages outline the primary design features proposed for the three areas in response to outcomes from the previous feasibility study.



## Key Concept Design Features

The most desired elements for the project identified from the stakeholder interviews and workshop include:

- **Reduce** flood risk downstream of Greenhill Road
- **Utilise** the existing gross pollutant trap in Glenside site and construct an enlarged sedimentation basin to improve the quality of water entering the South Park Lands
- **Divert** stormwater flow out of Parklands Creek and through a series of ephemeral wetlands in the southern portion of Victoria Park. The wetlands will slow down water flow and provide further treatment prior to returning water back into Parklands Creek
- **Improve** the biodiversity of each site through the inclusion of native vegetation and habitat opportunities
- **Provide** an alternative water flow path in Park 20 to reduce the erosion of Parklands Creek and control the release of water under Greenhill Road
- **Provide** temporary flood storage in the Glenside site, at the wetlands in Victoria Park and in Park 20
- **Enhance** amenity and recreational opportunities for the southern part of Victoria Park



# Victoria Park

## LEGEND

-  Existing trees
-  New trees
-  Footpath
-  Shelter
-  Water flow path
-  1 in 100 year flood extent
-  North





## NOTES

1. Perimeter footpath
2. Open water
3. Shallow marsh
4. Deep marsh
5. Sports fields
6. Carpark
7. Shelter + viewing deck
8. Running track
9. Diversion weir
10. Spillway
11. Outlet
12. Environmental flow



# Park 20

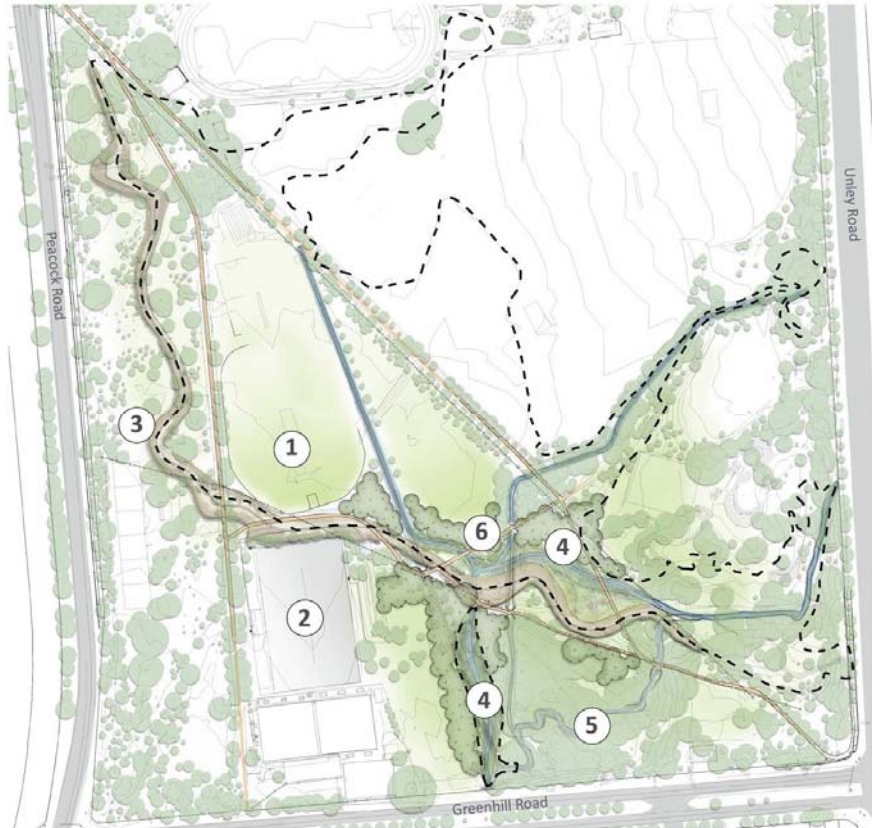
## LEGEND

-  Existing trees
-  New trees
-  Footpath
-  1 in 100 year flood extent



## NOTES

1. Existing oval
2. Existing tennis courts
3. Flood control mound
4. New creek alignment
5. Rock filled existing creek
6. New creek convergence



## Next Steps of the Project

- **Consultation** will soon be underway to inform and review the conceptual layouts and water movement models with stakeholders, agencies and the wider community to gain feedback on the primary design features proposed for the parks.
- **Finalisation** of the concept. The project team will review the feedback gained through consultation and finalise the concept plan during mid 2011.
- **Implementation** of the proposal is subject to approvals and funding commitment from project proponents.

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The Brown Hill and Keswick Creek Stormwater Project is for the Cities of Adelaide, Burnside, Mitcham, Unley and West Torrens