

# Glen Osmond Road, Hutt Road and Park 17 Improvements

Tuesday, 15 October 2024

Infrastructure and Public Works Committee

Strategic Alignment - Our Environment

**Program Contact:**

Mark Goudge, Associate Director Infrastructure

Public

**Approving Officer:**

Tom McCready, Director City Services

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## EXECUTIVE SUMMARY

Kadaltilla / Adelaide Park Lands Authority (Kadaltilla) is the principal advisor to both the Council and the State Government on the protection, management, enhancement and promotion of the Adelaide Park Lands.

This report presents the advice of Kadaltilla following their meeting on 25 July 2024, advising Council of the endorsement of the concept plan for Glen Osmond Road, Hutt Road and Carriageway Park / Tuthangga (Park 17) Improvement.

The project aims to rehabilitate the existing open eroded channel along Glen Osmond Road whilst providing long-term conservation to the historic avenue of trees, enhancing Park Lands safety and accessibility, and continuing to provide reliable stormwater management services to the catchment and surrounding locality.

As part of the project, other improvement works proposed include renewing the ageing road surface, lighting infrastructure, and construction of a new shared-use path to strengthen the connection between the southern Park Lands and the City are also proposed.

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## RECOMMENDATION

The following recommendation will be presented to Council on 22 October 2024 for consideration

THAT THE INFRASTRUCTURE AND PUBLIC WORKS COMMITTEE RECOMMENDS TO COUNCIL THAT COUNCIL

1. Notes that the Kadaltilla / Adelaide Park Lands Authority advises Council that it:
    - 1.1. Endorses the recommendation to proceed with the Glen Osmond Road, Hutt Road and Carriageway Park / Tuthangga (Park 17) Improvements concept as contained in Attachment A to Item 7.2 on the Agenda for the meeting of the Infrastructure and Public Works Committee held on 15 October 2024.
    - 1.2. Notes that the Administration will provide further updates to Kadaltilla / Adelaide Park Lands Authority and the Infrastructure and Public Works Committee as design progresses.
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## IMPLICATIONS AND FINANCIALS

City of Adelaide 2024-2028 Strategic Plan	<b>Strategic Alignment – Our Environment</b> A sustainable city where climate resilience is embedded in all that we do. The status, attributes and character of our green spaces and the Park Lands are protected and strengthened.
Policy	Not as a result of this report
Consultation	The community will be engaged through a project website.
Resource	Not as a result of this report
Risk / Legal / Legislative	Not as a result of this report
Opportunities	Not as a result of this report
24/25 Budget Allocation	Council has allocated \$42,000 for detailed design as part of its 2024/25 Business Plan and Budget process.
Proposed 25/26 Budget Allocation	To be determined and will be presented as part of the Business Plan and Budget process.
Life of Project, Service, Initiative or (Expectancy of) Asset	50 to 100 years asset life expectancy, depending on asset type.
24/25 Budget Reconsideration (if applicable)	Not as a result of this report
Ongoing Costs (eg maintenance cost)	No additional ongoing costs expected for renewal of existing assets. The shared-use path and associated Park Lands lights will be new assets which will require ongoing maintenance costs (i.e. 2% of capital cost).
Other Funding Sources	No other external funded sources identified.

# DISCUSSION

## Background

1. The project was initiated as a stormwater renewal project with an objective to rehabilitate the existing open channel along Glen Osmond Road. The open channel performs an important role for stormwater management in the area and requires renewal due to the deteriorated condition of the asset.
2. The existing unfenced open channel with steep banks poses an ongoing risk to public safety, which is exacerbated by the progressive erosion affecting the performance of the stormwater asset and undermining the stability of the banks.
3. The bank erosion will also impose irreversible damage to the row of mature sugar gums (*Eucalyptus cladocalyx*), which forms a towering avenue approach to the city. There are a total of 45 trees, including 19 significant trees and 12 regulated trees lining the south-western bank of the channel between Greenhill Road and South Park Lands Creek.
4. This project was created to address the erosion issue of the open channel to provide long-term tree health preservation of the existing gum trees, while maintaining the stormwater management function. Importantly, the project will improve access and pedestrian safety concerns created by steep banks of the exposed open channel.
5. The Administration recommended to rehabilitate the existing open channel via installation of a 1800mm culvert as detailed in **Attachment A**. This design is the result of a comprehensive multi-criteria analysis that compared several options against financial implications, environmental benefits, risks and alignment with the relevant City of Adelaide strategies.
6. At its meeting held on 25 July 2024, Kadaltilla / Adelaide Park Lands Authority (Kadaltilla) endorsed the concept contained in **Attachment A**.
  - 6.1. *THAT THE KADALTILLA / ADELAIDE PARK LANDS AUTHORITY ADVISES COUNCIL:*
    - 6.1.1. *That the Kadaltilla / Adelaide Park Lands Authority:*
    - 6.1.2. *Endorses the recommendation to proceed with the Glen Osmond Road, Hutt Road and Carriageway Park / Tuthangga (Park 17) Improvements concept as contained in Attachment A to Item 6.1 on the Agenda for the meeting of Kadaltilla / Adelaide Park Lands Authority held on 25 July 2024.*
    - 6.1.3. *Notes that the Administration will provide further design development updates to Kadaltilla as concept design progresses.*
7. In response to the discussion during the Kadaltilla meeting, further information on the option of diverting stormwater into basins as well as other options considered for the rehabilitation of the existing dilapidated open channel were also provided.
8. Based on feedback, the Administration held an onsite information session with Kadaltilla board members and provided further updates at a meeting of Kadaltilla on the 22 August 2024 as shown in [Link 1](#).
  - 8.1. *THAT THE KADALTILLA / ADELAIDE PARK LANDS AUTHORITY ADVISES COUNCIL:*
    - 8.1.1. *That the Kadaltilla / Adelaide Park Lands Authority:*
    - 8.1.2. *Notes the additional information provided as contained in Attachment A, to Item 7.1 on the Agenda for the meeting of the Board of Kadaltilla / Adelaide Park Lands Authority held on 22 August 2024, on the option that was assessed as the most appropriate to install the 1,800 mm culvert to rehabilitate the existing open channel along Glen Osmond Road by conveying the stormwater flow through an underground culvert.*
9. In addition to providing additional information, a matter was raised in relation to habitat within the open channel.
10. Consideration has been given to any potential amphibian habitat provided by the open channel. This is limited and subject to small ephemeral pools forming in the degraded base from periodic flows exiting a stormwater drain, and some additional wash from the adjacent road surface. Due to infiltration and evaporation, these pools may not be sustained long enough to support the reproductive cycle of a frog.
11. The velocity of the higher flows coming from the upstream catchment would also likely washout small aquatic life, including most supportive plant life. There are many other areas within the Park Lands which are more attractive and successful habitat for frogs compared to Park 17.

## Project Scope

12. Through an integrated design and planning approach, several programmed asset renewal and upgrade works have been added to the open channel rehabilitation project scope. This will provide an overall improvement to Glen Osmond Road, Hutt Road and Carriageway Park / Tuthangga (Park 17).
13. The endorsed concept design features:
  - 13.1. Conservation of the row of sugar gum trees along Glen Osmond Road, contributing to an improved visual presentation of these Park Lands as one of the major entrances into the city through enablement of a more formal edge treatment.
  - 13.2. Rehabilitation of the existing open channel through an installation of 1800mm wide culvert along Glen Osmond Road.
  - 13.3. Renewal of road pavement, kerb and water table along Hutt Road.
  - 13.4. Renewal of road lighting along Glen Osmond Road.
  - 13.5. Renewal of degraded stormwater infrastructure along Glen Osmond Road.
  - 13.6. Construction of a new shared-use path and associated lighting within the Adelaide Park Lands. Hutt Road will strengthen the connection between the city and the southern suburbs for people walking, cycling and running. The path will extend the popular newly constructed shared-use path as part of the Entry Statement project to Greenhill Road and adjacent suburb. This will create a safer and more accommodating crossing at the Glen Osmond Road intersection.

## Next Steps

14. Proceed with design development of replacing the existing open channel with a culvert to continue to provide reliable stormwater management services to the catchment and the surrounding locality, while addressing ongoing erosion risk to the historic avenue of trees.
15. The project will also include renewal of the deteriorated asset and construction of the proposed shared-use path to strengthen the connection between the city, the south-eastern Park Lands and the surrounding suburbs.
16. As the design of the endorsed concept progresses, further design development updates will be provided to Kadaltilla, noting the previous comments from Kadatillia relating to materiality and use of sustainable products. The Administration will also explore opportunities for planting of new trees within the vicinity to offset the loss of the eight trees proposed to be removed as part of this work.
17. It is proposed for construction to occur over two stages, commencing in the 2025/26 financial year subject to budget allocation, prioritising the replacement of the existing open channel with a culvert and renewal of the ageing assets, while the delivery of the new shared-use path will comprise a subsequent stage.

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## DATA AND SUPPORTING INFORMATION

[Link 1](#) - Option Analysis presented to Kadaltilla (22 August 2024)

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## ATTACHMENTS

**Attachment A** – Concept Design

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