

ITEM 12

TENDER T21/11 - BARINA PARK DETENTION BASIN REMEDIATION WORKS, LAKE HEIGHTS

This report recommends acceptance of a tender for remediation of the Barina Park stormwater detention basin embankment in accordance with the requirements of the Local Government Act 1993 and the Local Government (General) Regulation 2005.

This tender is required to lower the risk of scour and damage to the detention basin embankment if the basin were subject to a major flooding event which caused overtopping of the embankment. Council has completed a number of engineering studies and is required to improve the dam embankment by constructing a number of interim measures to lower the risk of failure during major events to meet the Dam Safety Regulation and Standards set by Dam Safety NSW.

### RECOMMENDATION

- 1 In accordance with clause 178(1)(a) of the Local Government (General) Regulation 2005, Council accept the tender of Diverse Civil Contracting Pty Ltd for the Barina Park Detention Basin Remediation Works, in the sum of \$273,328.47, excluding GST.
- 2 Council delegate to the General Manager the authority to finalise and execute the contract and any other documentation required to give effect to this resolution.
- 3 Council grant authority for the use of the Common Seal of Council on the contract and any other documentation, should it be required, to give effect to this resolution.

### REPORT AUTHORISATIONS

Report of: Glenn Whittaker, Manager Project Delivery  
Authorised by: Joanne Page, Director Infrastructure + Works - Connectivity Assets + Liveable City (Acting)

### ATTACHMENTS

- 1 Location Plan

### BACKGROUND

Barina Park stormwater detention basin (located off Barina Avenue, Lake Heights) is a declared dam (previously known as a prescribed dam) under the Dam Safety Act 2015. This classification required Council as the owner to undertake several detailed assessments which have subsequently determined this dam be listed as having a "significant" flood consequence category. This listing requires Council to address the risk of overtopping and subsequent scour/damage of the embankment during large events. Dam Safety NSW advised Council that improvement works need to continue to reduce the risks associated with an overtopping event.

Previously, designs have been developed for an embankment spillway and downstream channel which would manage overtopping flows. The construction of the proposed downstream channel would require the acquisition of seven (7) properties below the detention basin. Council has been actively engaging with the affected landowners through the voluntary purchasing scheme. To date, two (2) properties have been acquired and demolished. Given the likely length of time required to acquire the remaining five (5) properties, Council has advised Dam Safety NSW that interim embankment protection works will be undertaken. Following construction of the interim measures, Council will continue to pursue the purchase of these properties to enable implementation of the permanent solution.

The proposed scope of works for the interim protection measures includes:

- Recompacting and regrading existing sections of the upstream embankment to improve overall embankment stability,
- Replacement of a section of stormwater pit and pipe infrastructure which runs under the embankment to replace ageing infrastructure and minimise the risk of piping failure,
- Installation of turf reinforcement matting to the downstream embankment slope to prevent the risk of embankment failure due to scour.

Tenders were invited for this project by the open tender method with a close of tenders of 10.00 am on 4 May 2021.

Five (5) tenders were received by the close of tenders and all tenders have been scrutinised and assessed by a Tender Assessment Panel constituted in accordance with Council's Procurement Policies and Procedures and comprising representatives of the Project Delivery, Infrastructure Strategy and Planning and Governance and Customer Service Divisions.

The Tender Assessment Panel assessed all tenders in accordance with the following assessment criteria and weightings as set out in the formal tender documents:

#### **Mandatory Criteria**

- 1 Satisfactory references from referees for previous projects of similar size and scope
- 2 Financial assessment acceptable to Council which demonstrates the tenderer's financial capacity to undertake the works
- 3 Accredited Workplace Health & Safety Management System

#### **Assessable Criteria**

- 1 Cost to Council – 45%
- 2 Appreciation of Scope of Works and Construction Methodology – 20%
- 3 Experience and Satisfactory Performance in undertaking projects of a similar size, scope and risk profile, including staff qualifications and experience – 10%
- 4 Project Schedule – 5%
- 5 Proposed Subcontractors – 5%
- 6 Demonstrated strengthening of local economic capacity – 10%
- 7 Workplace Health & Safety system and Environmental Management policies and procedures – 5%

The mandatory assessment criteria have been met by the recommended tenderer.

The Tender Assessment Panel utilised a weighted scoring method for the assessment of tenders which allocates a numerical score out of 5 in relation to the level of compliance offered by the tenders to each of the assessment criteria as specified in the tender documentation. The method then takes into account pre-determined weightings for each of the assessment criteria which provides for a total score out of 5 to be calculated for each tender. The tender with the highest total score is considered to be the tender that best meets the requirements of the tender documentation in providing best value to Council. Table 1 below summarises the results of the tender assessment and the ranking of tenders.

**TABLE 1 – SUMMARY OF TENDER ASSESSMENT**

<b>Name of Tenderer</b>	<b>Ranking</b>
Diverse Civil Contracting Pty Ltd	1
Cadifern Pty Ltd trading as Cadifern Civil	2
Donnelley Civil Pty Ltd	3
RMA Contracting Pty Ltd trading as RMA Group	4
Ledacon Pty Ltd	Non-Conforming

## PROPOSAL

Council should authorise the engagement of Diverse Civil Contracting Pty Ltd to carry out the Barina Park detention basin remediation works in accordance with the scope of works and technical specifications developed for the project.

The recommended tenderer has satisfied the Tender Assessment Panel that it is capable of undertaking the works to Council’s standards and in accordance with the technical specification.

Referees nominated by the recommended tenderer have been contacted by the Tender Assessment Panel and expressed satisfaction with the standard of work and methods of operation undertaken on their behalf.

## CONSULTATION AND COMMUNICATION

- 1 Members of the Tender Assessment Panel
- 2 Nominated Referees

## PLANNING AND POLICY IMPACT

This report contributes to the delivery of Our Wollongong 2028 Goal 1 “We Value and Protect Our Environment”. It specifically delivers on the following:

Community Strategic Plan	Delivery Program 2018-2022	Operational Plan 2020-21
Strategy	4 Year Action	Operational Plan Actions
1.1.3 The potential impacts of natural disasters, such as those related to flood and landslips are managed and risks are reduced to protect life, property and the environment	1.1.3.2 Establish effective urban stormwater and floodplain management programs	Review and implement key priorities from the Integrated Stormwater Management Plan

The risk in accepting the recommendation of this report is considered low on the basis that the tender process has fully complied with Council’s Procurement Policies and Procedures and the Local Government Act 1993.

The risk of the project works is considered moderate based upon Council’s risk assessment matrix and appropriate risk management strategies will be implemented.

## SUSTAINABILITY IMPLICATIONS

The first ranked tenderer is a locally based business and has proposed to use local subcontractors. Additionally, excavated material from the site is to be reused in the works to limit the quantity of newly quarried and imported fill material required.

## FINANCIAL IMPLICATIONS

It is proposed that the total project be funded from the following source as identified in the Operational Plan –

## 2021/22 Capital Budget

### CONCLUSION

Diverse Civil Contracting Pty Ltd has submitted an acceptable tender for the proposed works and Council should endorse the recommendations of this report.



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