

**Report to General Manager**

Attachments:

1. Locality Maps and Photographs

**SUBJECT:** Seawall Restoration Works – Tender No. 12/2020**AUTHOR:** Ashraf Doureihi, Engineering Project Manager**ENDORSED BY:** Duncan Mitchell, Director Engineering and Property Services**EXECUTIVE SUMMARY:**

Tenders were called and were received until 4:00pm, 17 October 2019 for Seawall Restoration Works – Tender No. 12/2020.

*In order for Councillors to discuss the content of this Commercial in Confidence report it will be necessary to close the Council meeting to the public.*

**FINANCIAL IMPLICATIONS:**

Funding for this project is included in the adopted 2019/20 Delivery Program.

**Comment by Responsible Accounting Officer:**

Funding for the project is appropriate.

**RECOMMENDATION:**

- 1. THAT** Council accept the tender of the highest ranked Tenderer for Tender No. 12/2020 – Seawall Restoration Works.
- 2. THAT** the General Manager be authorised to take any necessary action to implement the decision including entering associated contracts.
- 3. THAT**, once Council has executed the Contract, information relating to the successful tender be published in Council’s Register of Contracts as required by Government Information (Public Access) Act 2009 - Part 3 Division 5 - Government Contracts with Private Sector.

## **LINK TO COMMUNITY STRATEGIC PLAN**

The relationship with the Community Strategic Plan is as follows:

Direction: 2. Our Built Environment

Outcome: 2.1 Infrastructure, assets and facilities that meet community needs  
2.3 Vibrant, connected and well-maintained streetscapes and villages that build a sense of community

## **BACKGROUND**

As part of Council’s ongoing seawall rehabilitation program, three sites have been identified as requiring structural stabilisation. These walls are located at (refer to enclosed locality maps):

- Blues Point;
- Hayes Street Foreshore; and
- Quibaree Park.

The standard methodology employed to stabilise the seawalls incorporates the use of pressure grouting by pumping grout behind wall to fill in the voids created as a result of washout caused by wave actions along the harbour. This treatment has been in place for over 20 years and has been applied to the majority of the seawalls along the harbour. This practice allows for the stabilisation of the wall in an in-situ manner and prevents further deterioration. This technique is more cost effective than the conventional method of ‘knock down and rebuild’ and extends the life of the wall by another 30-40 years. From a cost perspective, grout stabilisation is one third of the cost a conventional rebuild.

## **SUSTAINABILITY STATEMENT**

The sustainability implications are of a minor nature and did not warrant a detailed assessment.

## **DETAIL**

### **Living Seawalls Research**

As part of Council’s long-standing commitment in supporting ecological research, further opportunities exist to work with the Sydney Institute of Marine Science (SIMS) to rolling out additional living seawall projects at one or more of the sites identified under this contract. SIMS have welcomed the opportunity to work with Council once again.

In October 2018, Council was part of the Living Seawall’ launch with SIMS and Volvo. The launch took place at Milsons Point to unveil the installation of marine ‘habitat tiles’ along the seawall at Milsons Point – refer to photo 1 below). Habitat tiles were also installed at Sawmillers Reserve along two sections of the seawall – refer to photo 2 below.

The tiles at Milsons Point and Sawmillers were attached externally to the seawall. It is now proposed to trial a new method of installation whereby the tiles will be embedded into the

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seawall – refer to proposed design below. This trial will be the first to take place in Australia and second in the world after Seattle city. A follow-up report will be presented to Council once the trial is completed.

*Photo 1 – Marine Habitat Tiles at Milsons Point*



*Photo 2 – Marine Habitat Tiles at Sawmillers Reserve*



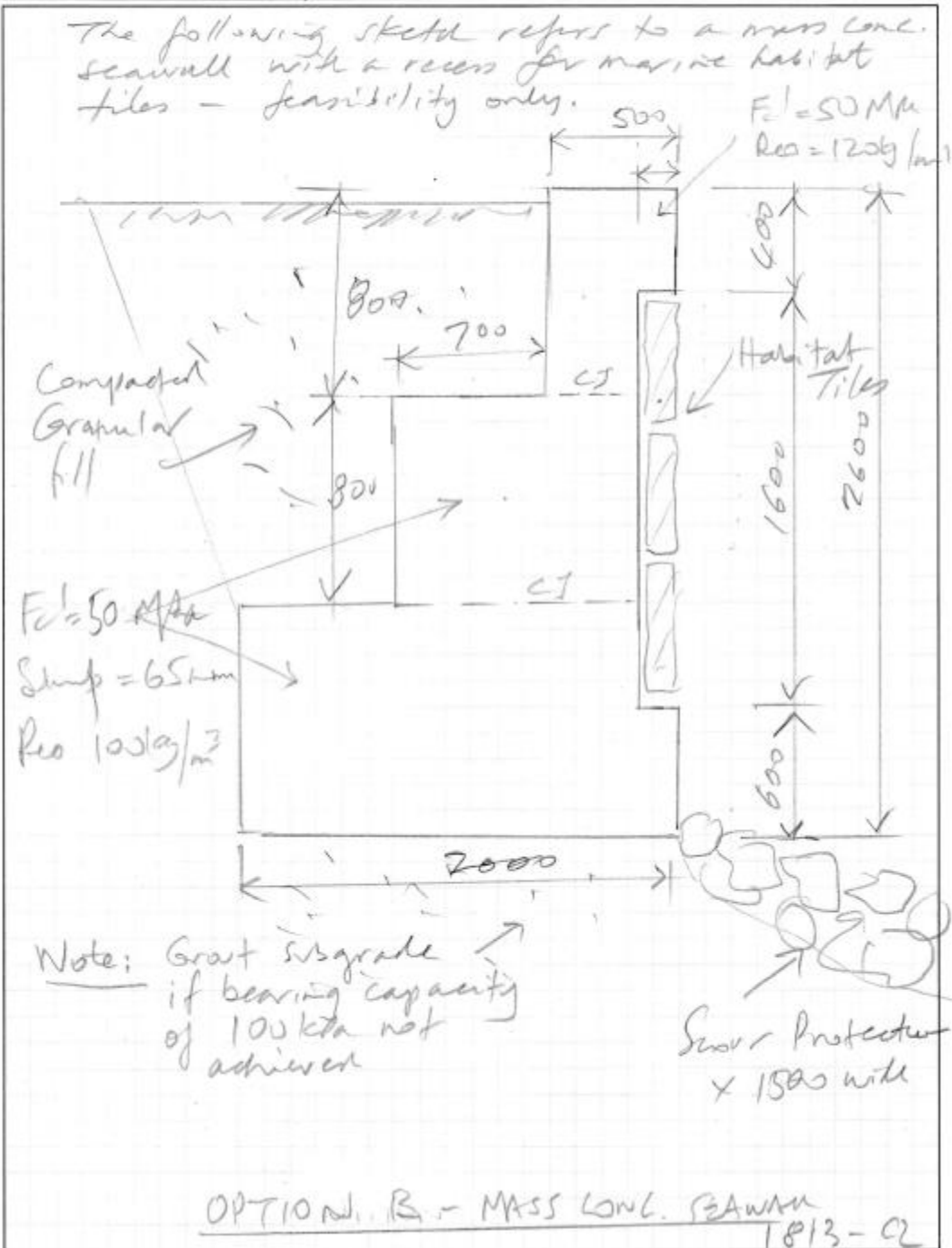
**Proposed Living Seawalls Trial - Installation of Marine Habitat Tiles**

MACLEOD CONSULTANTS PTY. LTD

Consulting Engineers ACN 096 780 460

**Calculations**

Project	HABITAT SEAWALL OPTIONS	Job No.	1813A	Page No.	C2
Subject	OPTION B - MASS CONCRETE	Engineer:	Macleod	Date	1.10.19



## TENDERS RECEIVED

The methodology adopted to undertake the tender evaluation of Tender 12/2020 was based on selection criteria outlined in the tender documents and in accordance with the Local Government Act 1993 and the Local Government (General) Regulation 2005.

Tenders were called and closed at 4.00pm, Thursday 17 October 2019. Three (3) tenders were received by the appointed time. Listed in **strict alphabetical order**, the tenderers were:

<b>Tenderer</b>
Bedrule T/A Tobco Pty Ltd
Civil Works (NSW) Pty Ltd
Retaining Specialist Pty Ltd

Information provided by tenderers which is commercial-in-confidence has been protected and will not be disclosed in accordance with section 10A(2)(d) of the *Local Government Act 1993*. A consistent standard for all tenderers has been used in assessing any request for confidentiality by a tenderer.

Application for access to documentation should be through lodgement of a GIPA Public Information application form and payment of prescribed fees.

## Project Program

Anticipated Start: November 2019

Anticipated Completion: May 2020

Responsible Officer: Ashraf Doureihi, Engineering Project Manager

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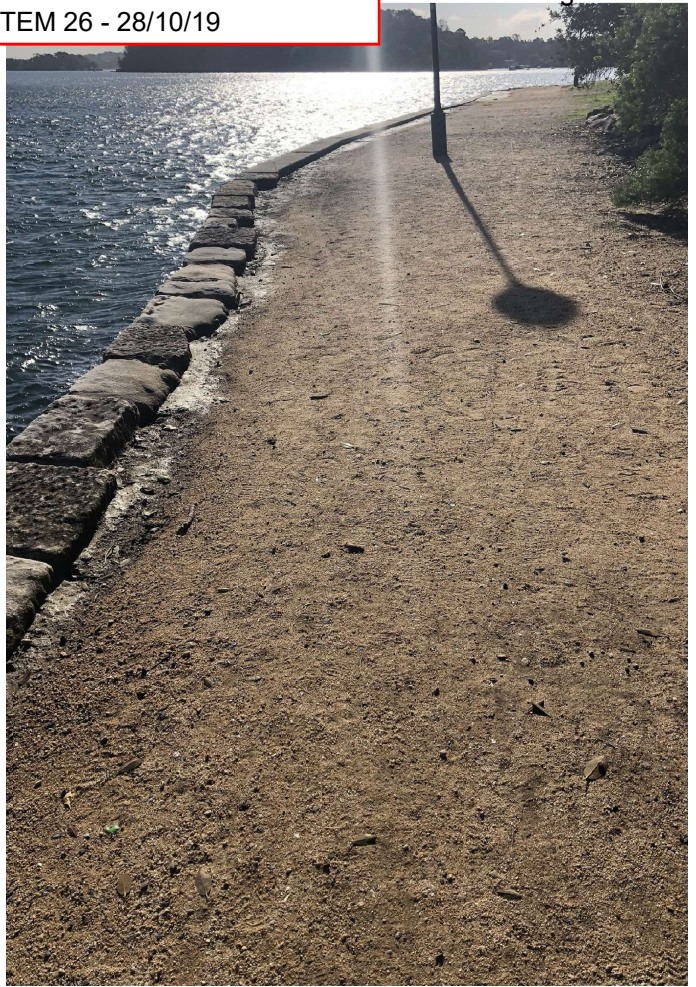
SEPARABLE PORTION 1 - BLUES POINT RESERVE



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SEPARABLE PORTION 2 - HAYES STREET FORESHORE



EXTENT OF WORKS



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SEPARABLE PORTION 3 - QUIBAREE PARK



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