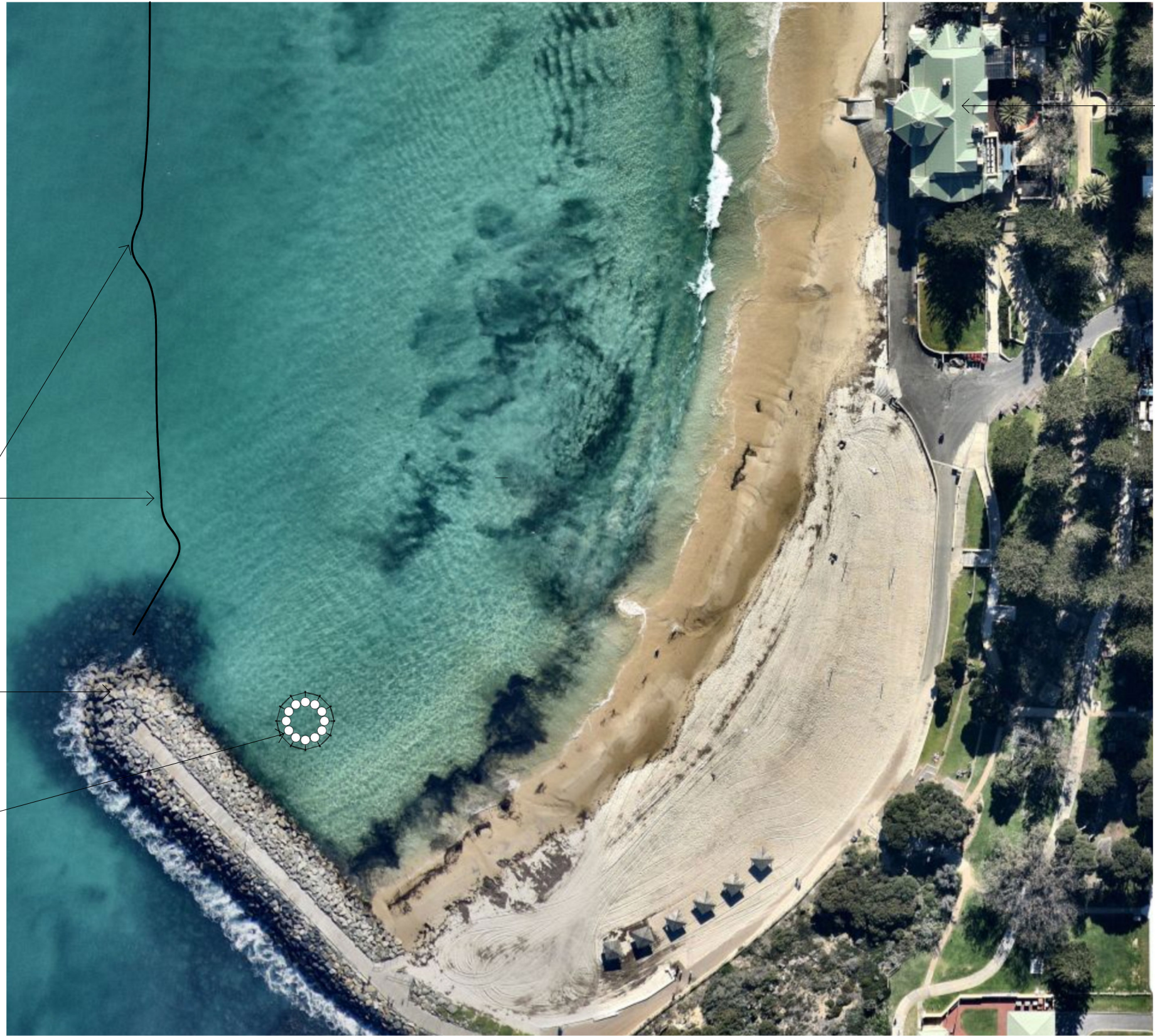
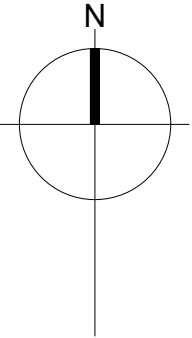


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Indiana Tea House



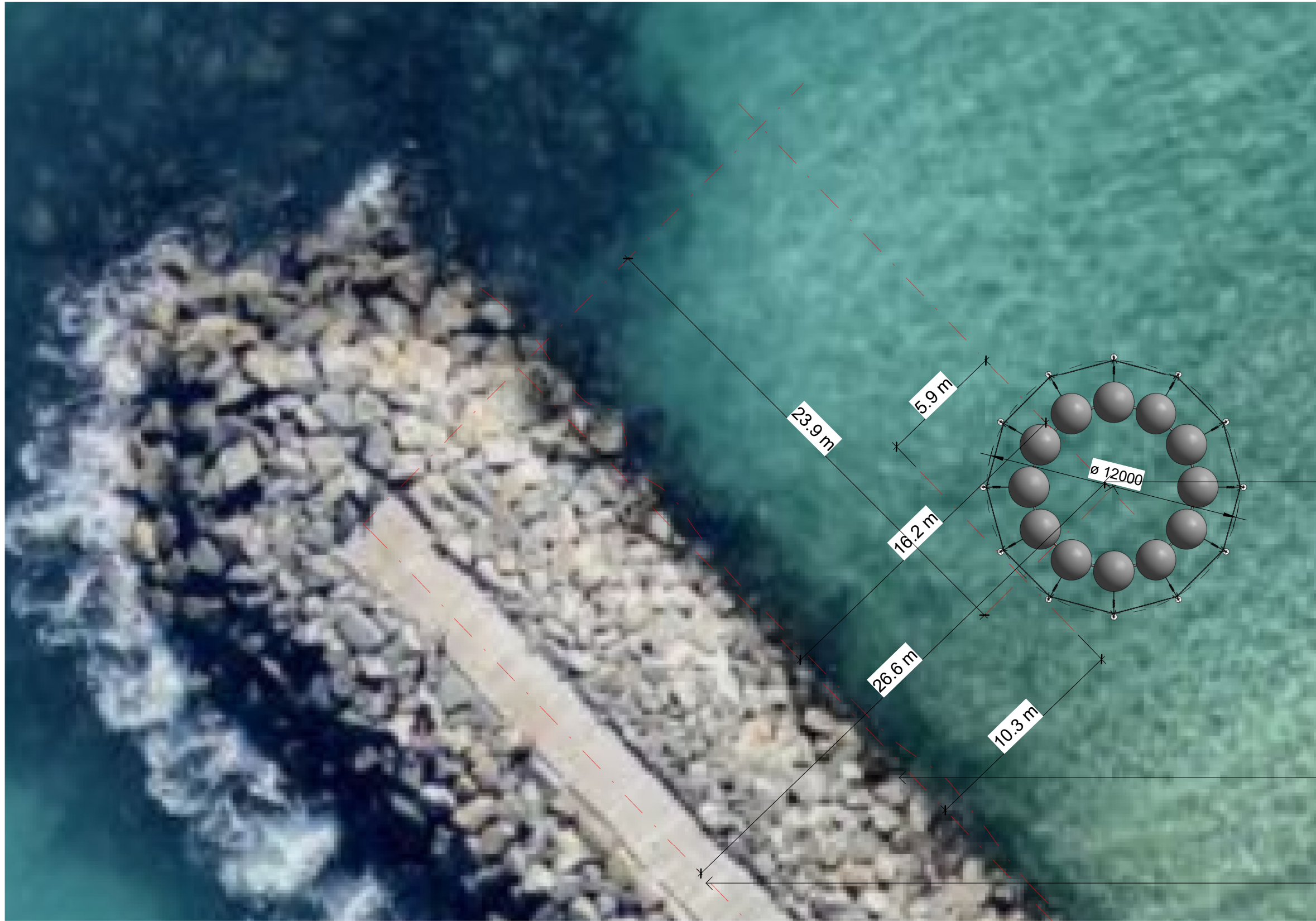
Shark Net

Groyne

"Floating Circle"

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Area Plan - Page 2 of 5

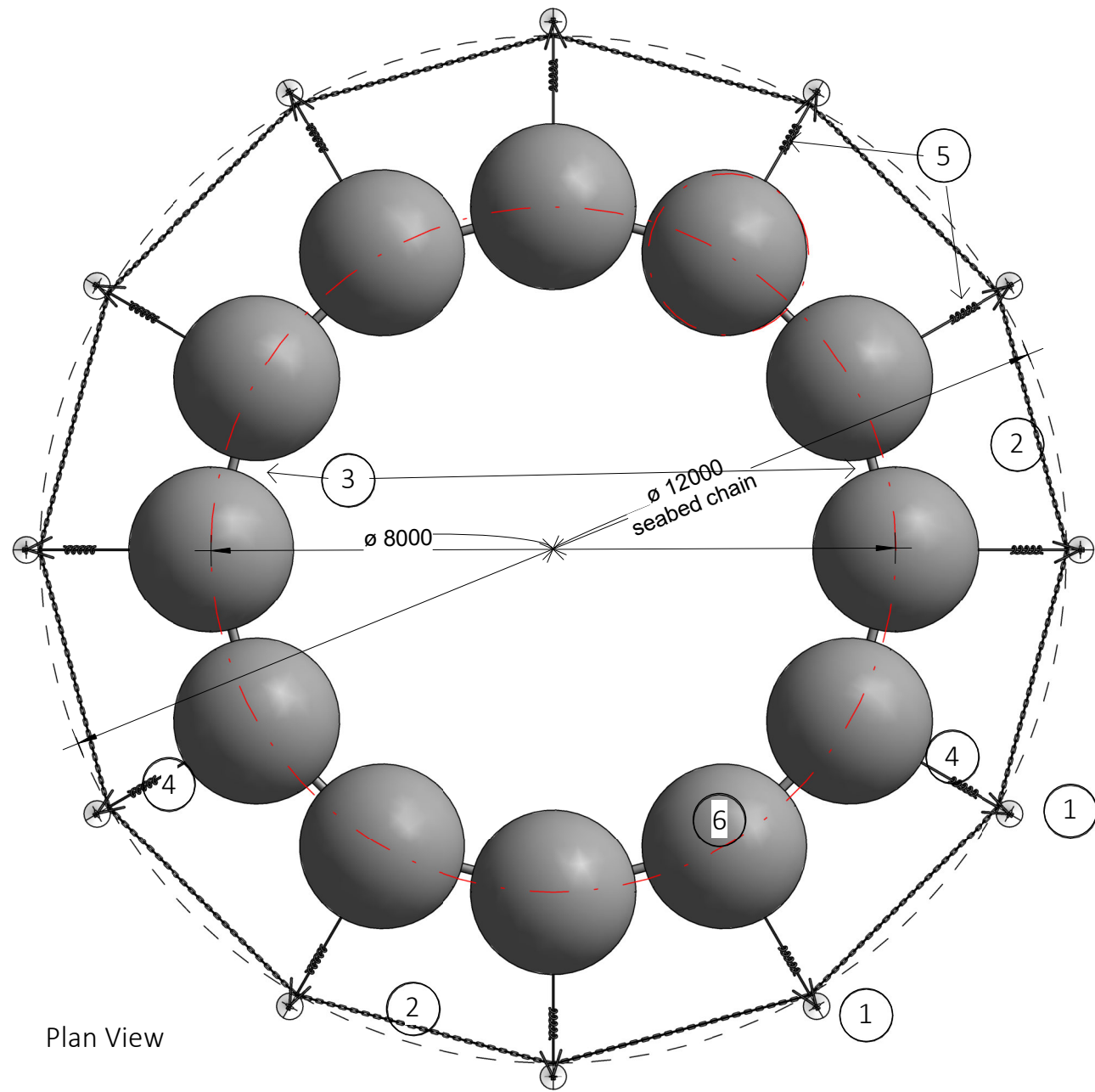


"Floating Circle"

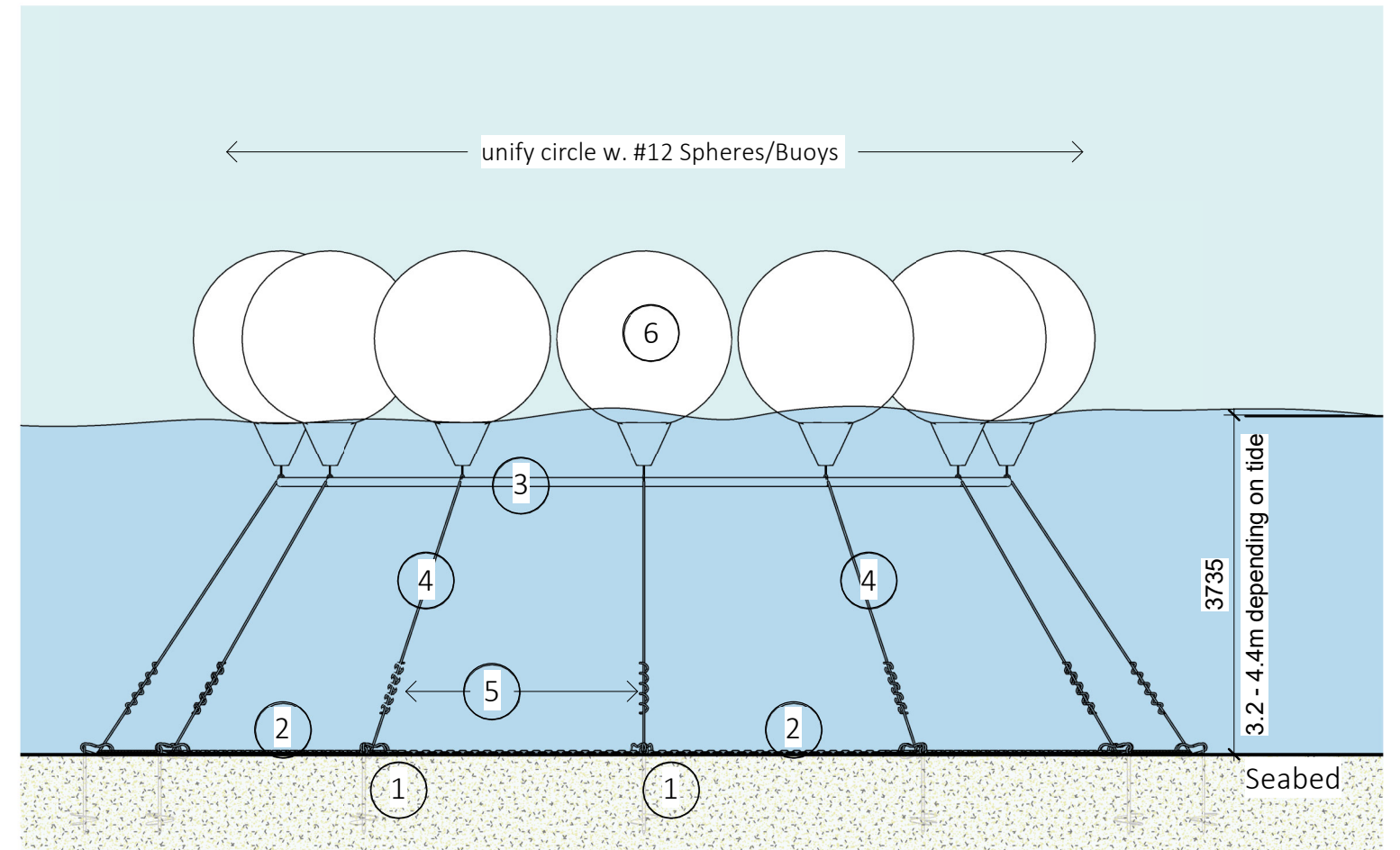
Groyne

Concrete Pavement

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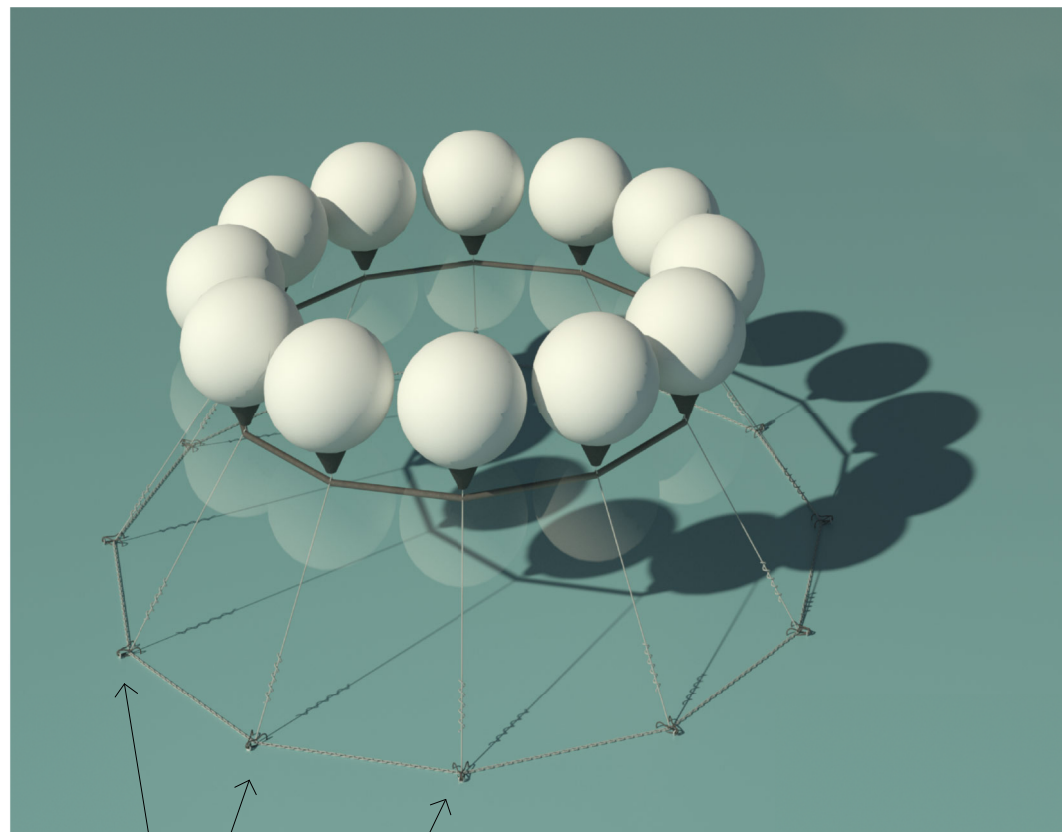
Plan View



Schematic Section

- Legend**
- ① Helix type Sandshark 18 inch screw anchors
  - ② 28mm mooring chains (weight 460kg total) all shackled together to create a 27 metre circumference circle on the seabed
  - ③ Spliced 24 metre endless loop of 28mm 8 strand polypropylene rope
  - ④ Riser Ropes which will stem from the buoy attachment down to the sea bed anchors and chain circle
  - ⑤ Stretchable bungee device attached to reduce shock load on the Ball Buoys
  - ⑥ #12 x inflatable buoys, white, made from 900 GSM reinforced PVC

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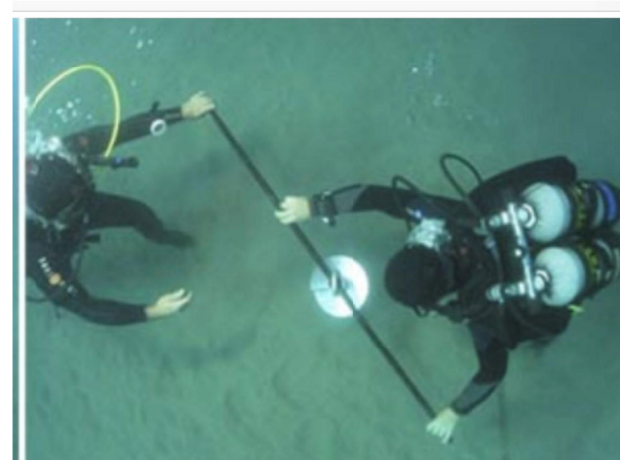


3D View - Artwork Installation

Sandshark Screw anchor



In the unlikely event inflation top-ups are required, the mooring contractor will air fill the buoys during the time of the event.  
In the even less likely event of damage there will be 2 spare buoys/spheres for replacement.



The mooring contractor will be on call to maintain and fix the installation in the event of extreme weather and something should require attention at the cost of the artist.

Installation will be conducted by **Commercial Maritime Pty Ltd Mooring / Commercial Diving Company.**

**Approvals:**

Commercial Maritime Pty Ltd Mooring will liaise with relevant authorities to gain approval for the temporary installation of the proposed artwork and the proposed methodology.

**Environmental Statement:**

All works on the seabed will have zero or only minimal impact on the maritime environment.

**Methodology and Sequence of Works:**

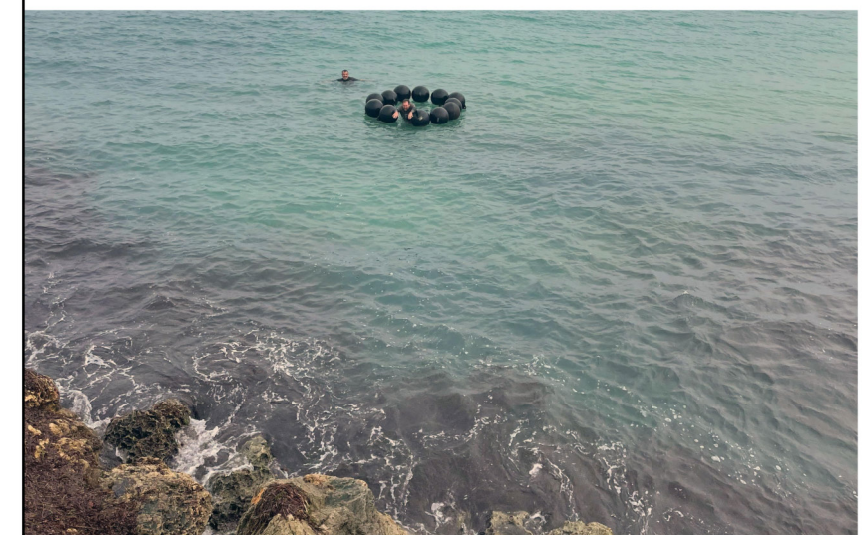
A three-man team will be working from the shore at Cottesloe Beach.

All Material will be transported down to location on trollies with minimal impact to the beach and public.

1. Our three-man dive team will firstly position 9 x 3 metre x 28mm mooring chains ( weight 460kg total) all shackled together to create a 27 metre circumference circle on the seabed.
2. #12 x Helix type Sandshark 18 inch screw anchors (commonly used for short term anchorage/mooring of light recreational vessels etc.) will be installed evenly and shackled secure to the chain circle.
3. Commercial Maritime will fabricate/splice a 24 metre endless loop of 28mm 8 strand polypropylene rope (recycled from the WA mining industry). Attached every 2 metres (x12) will be riser ropes which will stem from the buoy attachment down to the sea bed anchors and chain circle. This will be swam out and secured with #12 x 16mm D shackle and moused. (to prevent shackle failure).
4. The Riser ropes will have a stretchable bungee device attached to reduce shock load on the Ball buoys.
5. #12 x 2mtr inflatable Buoys will be shackled to the riser Ropes.
6. The #12 x inflatable buoys are made from 900 GSM reinforced PVC. They are fitted with a 1.5 PSI relief valve which will help protect the buoys in poor weather conditions. The Buoy securing points consist of #4 x 1 ton webbing sling loops which are welded on a double base circle at the bottom of the ball buoy. The buoys will later be donated to local sailing clubs for re-use.



Inflatable buoys Dia 2m - manufactured in Australia by **Fleximake Pty Ltd.** Dandenong South, VIC 3175, Australia



Experimental model of concept with 0.5m diam spheres made with recycled pearl farm floats.

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