

Royal HaskoningDHV  
Enhancing Society Together

Central Coast Council

## AVOCA BEACH SOUTHERN FORESHORE REDEVELOPMENT "BLEACHERS, BOULDERS AND BOAT RAMPS"

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30 October 2019

### TALK OUTLINE

- Masterplan 2012
- June 2016 Storm
- Community Input / Funding
- Stage 1 Works – 2018
- Stage 2 Works – 2019



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### MASTERPLAN

- Avoca Beach
  - Popular tourist destination
  - Highly valued community asset
  - Inadequate foreshore infrastructure
- Masterplan adopted 2012
  - Foreshore stabilisation works
  - Stormwater upgrades
  - Walkways and landscaping
  - Car park and road upgrades
- Royal HaskoningDHV
  - Lead designer (foreshore works)



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### JUNE 2016 STORM DAMAGE



Wave overtopping and runoff into SLSC



Foreshore erosion and damage to inadequately designed (ad hoc) structures

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## FUNDING / COMMUNITY CONSULTATION

- Stronger Communities Fund
  - Available to newly merged councils
  - Foreshore works voted for by local community as a priority project
  - \$2.8 million grant
- Community consultation
  - Ongoing throughout project
  - Highly engaged local community
  - Lead to design refinements




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## STAGE 1 WORKS

- April to October 2018
- Revetment adjacent to rock pool
- Stormwater improvements
- Walkway and landscaping
- Scape Constructions





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## STAGE 2 WORKS

- May to October 2019
- Rock Revetments
- 2 x Sandstone Bleachers
- 2 x Concrete Access Ramps
- FRP Mobility Ramp
- Walkway and landscaping
- Antoun Civil

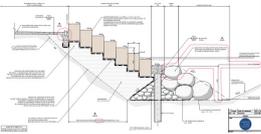




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## STAGE 2 WORKS – BLEACHERS




Rectangular sandstone blocks (2 to 3 tonnes)  
Concrete piled toe and capping beam  
Rock Apron

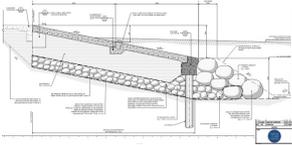
Adaptive design due to geotechnical and budget constraints  
High amenity value PLUS coastal protection



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## STAGE 2 WORKS – BOAT RAMPS



Concrete ramps with articulated joint  
Concrete piled toe and capping beam  
Rock Apron



Two ramps: 1. SLSC rescue boats  
2. Council vehicles and surf boats



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## STAGE 2 WORKS – PUBLIC ACCESS



Widened Concrete Walkway  
Beach Showers



Fibre Reinforced Plastic (FRP) Mobility Ramp



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## THANK YOU!



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