

MISE
Civil Engineering Unit

Sheet title: Typical cross section

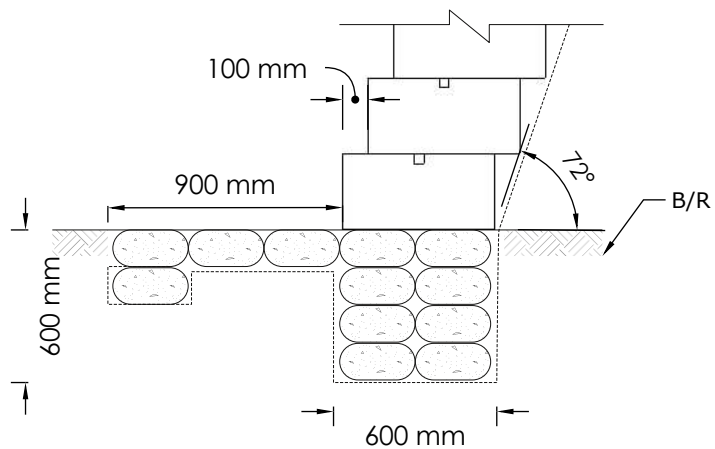
Project name: CPPL proposed seawall

Client name: CPPL

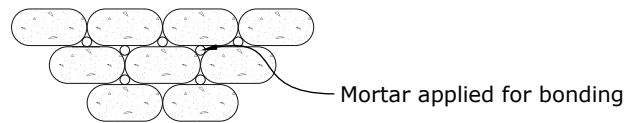
Project No:	1
Drawing status:	Standard drawing
Date issue:	19/07/2022
Drawn by:	s.taira
Checked by:	Senior Civil Engineer
Checked by:	Structural engineer

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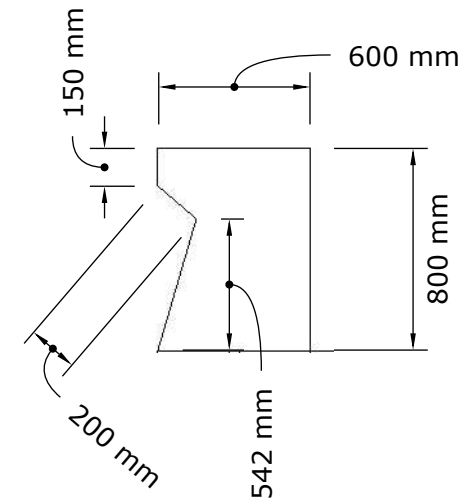
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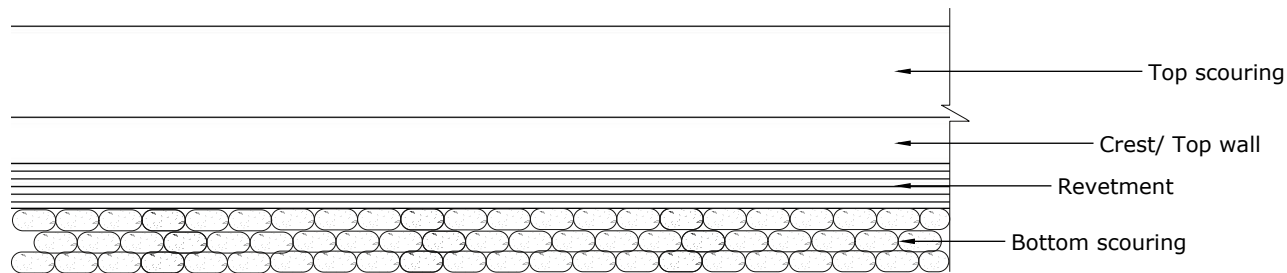
1 Top elevation
Scale: 1 : 30



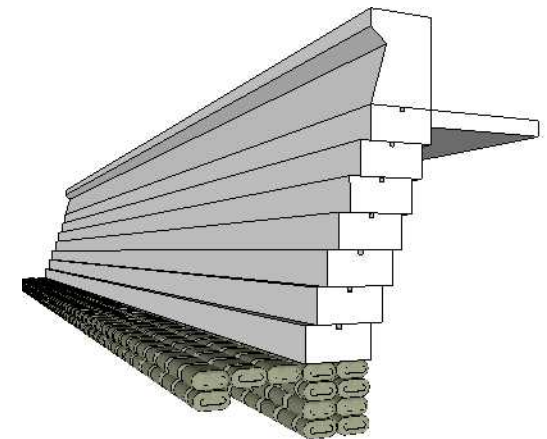
2 Sandbag placement
Scale: 1: 30



3 Crest details
Scale: 1: 30



4 Top elevation
Scale: 1 : 100



5 3D view
Scale: NTS



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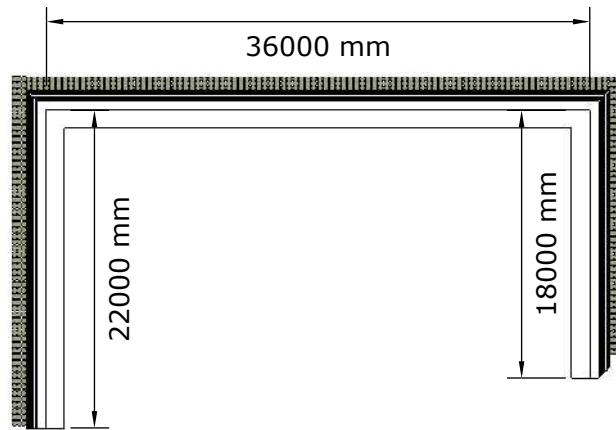
Sheet title: Elevation view

Project name: CPPL proposed seawall

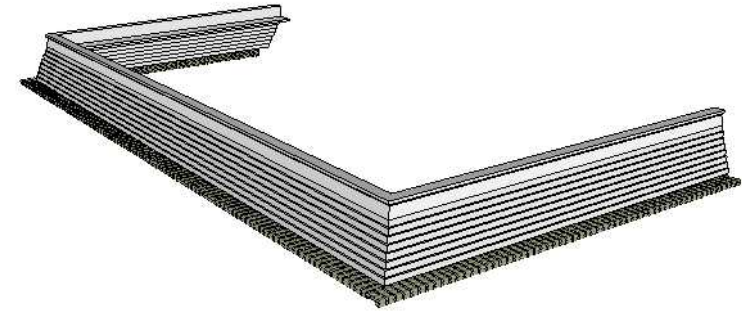
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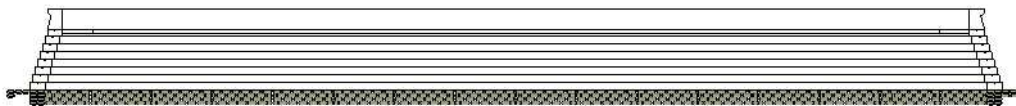
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1 Aerial Plan
Scale: 1 : 500



3 Perspective
NTS



2 Front View
Scale: 1 : 300



5 Side view
Scale: 1 : 200



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Sheet title: 3D View & Elevations

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Seawall dimension

1. Length of seawall face - 36 m
2. Length of seawall west leg - 18 m
3. Length of seawall east leg - 22 m
4. Height - 2.2 m
5. Backfill width - 1 m offset from shore
6. Backfill volume - m³
7. Toe depth - 0.6 m below reef flat

Earth work

1. Site clearance;
2. Prepare alignment for seawall excavation;
3. Excavate beach slope/strata to level reef flat;
4. Excavate reef flat and below to 600mm deep;

Concrete work

1. Lay fabric mat/ geotextile into trench prepared;
2. Prepare concrete for sandbag fill as toe and bottom scouring;
3. Assemble revetment formworks;
4. Place complete forms on toe surface and pour concrete using a mix of 1:2:2;
5. Dismantle form once cure and maintain herring bone locker prior placing the next form;
6. Follow this with filling work and compaction using the specified backfill material;
6. Revetment height must level to ground level;
7. Assemble forms for crest wall and place;
8. Pour concrete into crest forms with a mix 1:2:2 and brace for curing

Finishing work

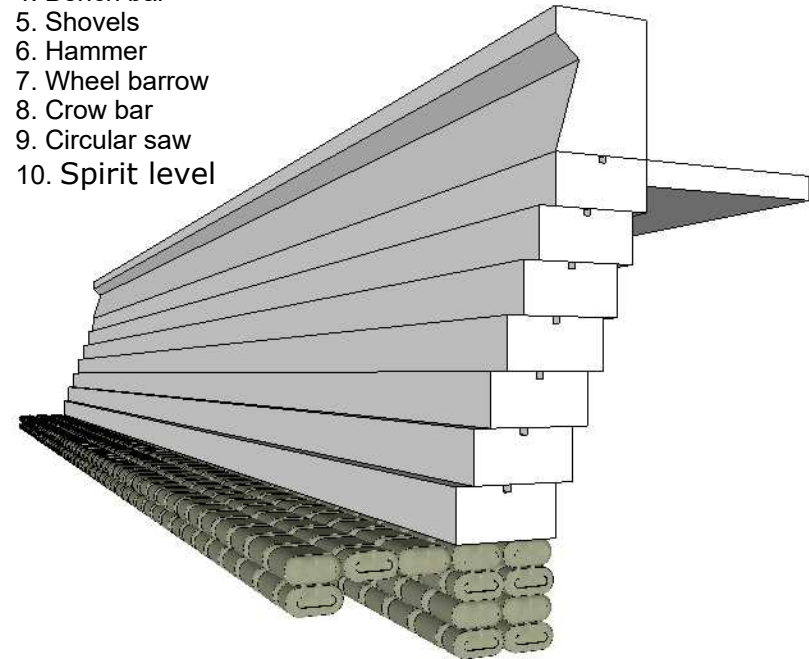
1. Clean and cart away debris to where directed.

Material required

1. Portland cement.
2. Sandbag 400x300x150mm size
3. Geotextile fabric mat
4. Reef mud for backfill material
5. Sand for sandbag fill
6. Aggregate for for sandbag fill
7. Formply sheet 3/4"
8. Timber frame 100x50mm size
9. Nails 4",3"
10. Nails flat 1 ½"

Tools & Equipment required

1. Handsaw.
2. Tape measure 50 meter
3. Tape measure 8 meter
4. Bench bar
5. Shovels
6. Hammer
7. Wheel barrow
8. Crow bar
9. Circular saw
10. Spirit level



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Sheet title: Specification details

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