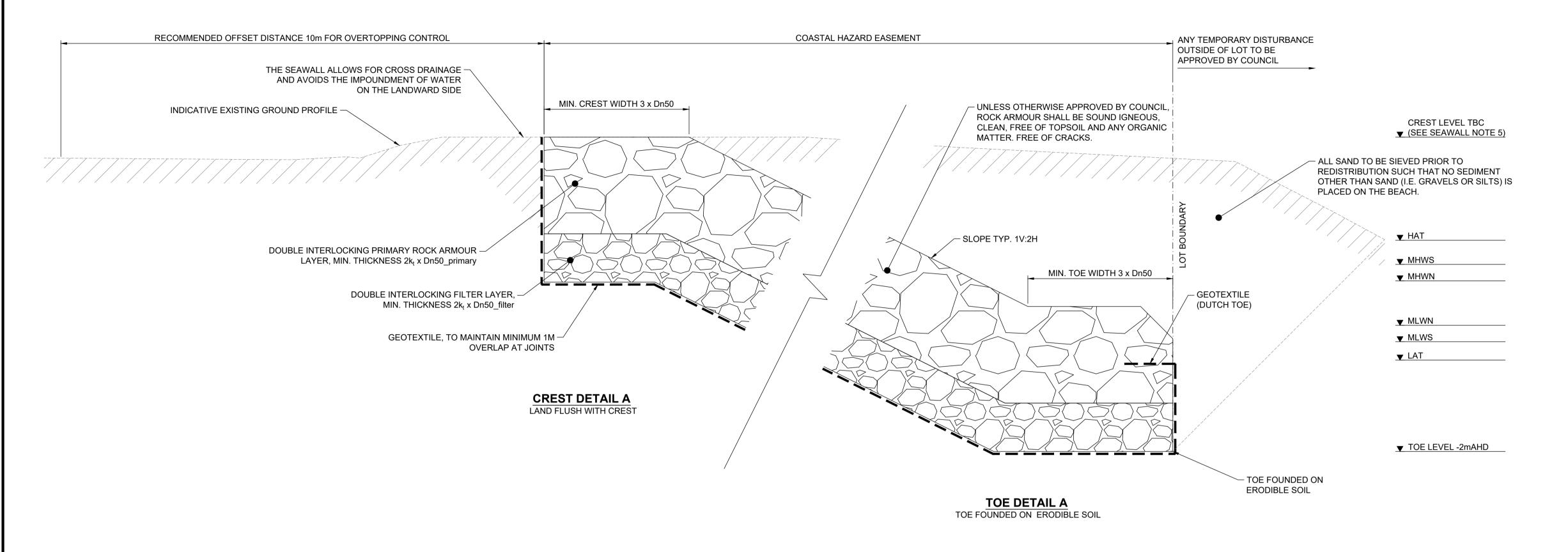
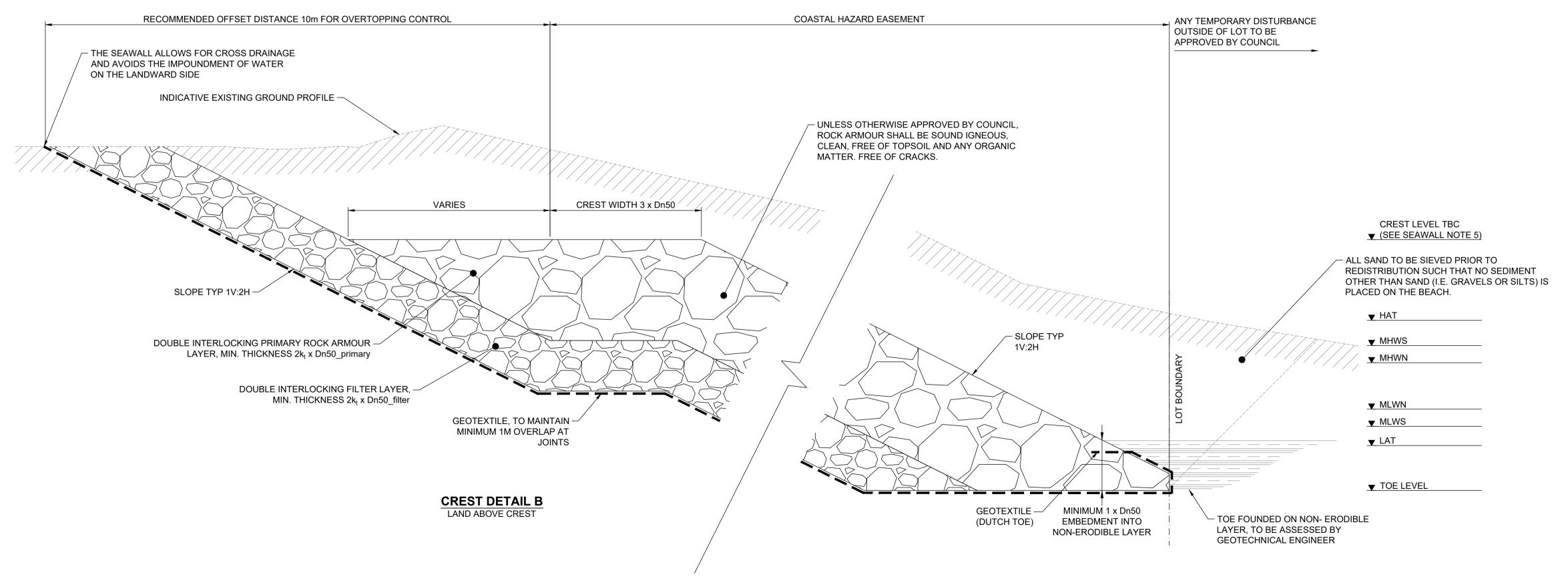
MATERIAL SPECIFICATION

- UNLESS OTHERWISE APPROVED BY COUNCIL, ROCK ARMOUR SHALL BE SOUND IGNEOUS, CLEAN, FREE OF TOPSOIL AND ANY ORGANIC MATTER. FREE OF CRACKS.
- 2. GEOTEXTILE SHALL COMPLY WITH THE FOLLOWING MINIMUM REQUIREMENTS (ASSUME NO DUMP OF ROCK ARMOUR ON GEOTEXTILE):
- UNIT WEIGHT TO AS 3706.1 1000 g/m<sup>2</sup> (min)
- GRAB TENSILE STRENGTH TO AS 2001.2.3 1000 N (min)
   IN ANY DIRECTION IN PLANE OF GEOTEXTILE
- TRAPEZOIDAL TEAR RESISTANCE ASTM D1117 600 N
   (min) IN ANY DIRECTION
- WATER PERMEABILITY (10cm HEAD) 30 L/ m<sup>2</sup>/ s (min).





TOE DETAIL B
TOE FOUNDED ON NON-ERODIBLE LAYER

**SEAWALL STANDARD SECTIONS** 

### GENERAL NOTES

- THE STANDARD DESIGN IS APPLICABLE TO OPEN COAST CONDITION AS AN EROSION CONTROL STRUCTURE AGAINST WAVE IMPACT. CURRENT ATTACK, COASTAL INUNDATION TO BE CONSIDERED SEPARATELY.
- 2. THE SEAWALL IS TO BE DESIGNED IN A MANNER CONSISTENT WITH THE ACHIEVEMENT OF RELEVANT OUTCOMES OF THE SUNSHINE COAST PLANNING SCHEME, INCLUDING THE COASTAL HAZARDS OVERLAY CODE, FLOOD HAZARD OVERLAY CODE AND STORMWATER MANAGEMENT CODE.
- TIDAL RANGE SHOWN INDICATIVELY. ACTUAL SITE SPECIFIC TIDAL RANGE TO BE PRESENTED.
- 4. ALL OTHER STRUCTURES SHALL BE SET BACK IN COMPLIANCE WITH THE PLANNING SCHEME.
- BASEMENTS MAY BE ALLOWED TO PROTRUDE UP TO THE GEOTEXTILE LAYER ONLY. BASEMENT SHALL BE DESIGNED TO WITHSTAND ALL LOADS GENERATED DURING THE MAINTENANCE OF THE WALL AND MAY INCLUDE WALL CONSTRUCTION TRAFFIC IF SEAWALL WORKS SEQUENCED AFTER BASEMENT.

#### SEAWALL NOTES

- 1. DESIGN LIFE OF SEAWALL TO BE THE MAXIMUM OF:
  - 50 YEARS
- THE DESIGN LIFE OF THE PROPOSED DEVELOPMENT.
   PRIMARY ARMOUR OF M50 = 5000kg DEEMED TO COMPLY,
   ACCEPTANCE OF REDUCED M50 POSSIBLE IF ADEQUATELY
   JUSTIFIED IN COASTAL HAZARD RISK ASSESSMENT, HOWEVER
   MINIMUM M50 REQUIRED TO BE > 400kg FOR PRIMARY ARMOUR.
- 3. LAYER THICKNESS COEFFICIENT (Kt) SUBJECT TO CONSTRUCTION METHOD AND PACKING STANDARD, TO BE PROJECT SPECIFIC.
- 4. TOE LEVEL -2mAHD ON SANDY FORESHORE DEEMED TO COMPLY. ACCEPTANCE OF HIGHER TOE LEVEL POSSIBLE IF ADEQUATELY JUSTIFIED IN COASTAL HAZARD RISK ASSESSMENT.
- CREST LEVEL TO BE SPECIFIED BY THE COASTAL ENGINEER COMPLETING THE SITE BASED COASTAL HAZARD RISK ASSESSMENT.
- 6. WALL GLOBAL STABILITY TO BE CONFIRMED BY GEOTECHNICAL ENGINEER. MINIMUM FACTOR OF SAFETY TO BE:
  LONG-TERM CONDITIONS FOS 1.5
  SHORT-TERM CONDITIONS FOS 1.3
  EARTHQUAKE HAZARD CONDITIONS FOS 1.1

## CONSTRUCTION NOTES

- 1. SAND SHALL BE WASHED INTO BURIED SEAWALL TO FILL THE VOIDS BETWEEN BOULDERS AT THE CONCLUSION OF THE ROCK WORK. ANY EXCESS SAND FROM EXCAVATIONS MUST BE SCREENED AND PLACED ON FORESHORE.
- 2. ALL SAND TO BE SIEVED PRIOR TO REDISTRIBUTION SUCH THAT NO SEDIMENT OTHER THAN SAND (I.E. GRAVELS OR SILTS) IS PLACED ON THE BEACH.
- CONSTRUCTION AND MAINTENANCE OF THE SEAWALL IS THE RESPONSIBILITY OF PROPERTY OWNER AND IS TO BE AT NO COST TO COUNCIL. A COASTAL HAZARD EASEMENT MUST BE REGISTERED OVER THE SEAWALL.
- 4. TEMPORARY WORKS MAY ONLY EXTEND OUTSIDE THE LOT BOUNDARY FOLLOWING APPROVAL FROM COUNCIL AND LODGMENT OF BOND. ALL DISTURBANCE MUST BE REINSTATED POST CONSTRUCTION. ANY DAMAGE TO FLORA AND FAUNA OR PERMANENT DISTURBANCE MAY RESULT IN A FINE.

	2.5 2	.0 1.	5 1.0	0.5	0	1	2		3	
	SCALE	E 1:50	(m)							
C03	MINOR	AMEND	EMENT			31/05/24	KJP	CY	BL	DR
C02	MINOR	AMEND	EMENT			28/05/24	KJP	CY	BL	DR
C01	FOR AF	PROVA	L			17/05/24	KJP	CY	BL	DR
02	FOR RE	VIEW				03/05/24	KJP	XX	xx	xx
01	FOR RE	VIEW				26/04/24	KJP	XX	xx	xx
Rev.	Descrip	tion				Date	Author	Designer	Checker	Approve

## Supplier

Document Control

# 2024s0610 - SCC - COASTAL HAZARD PLANNING SCHEME POLICY

Drawing Title

## SEAWALL STANDARD DRAWING



Security Classifica  NA	tion	Scale NA			
Author <b>KJP</b>	Designer CY	Checker <b>BL</b>	Approver <b>DR</b>		
Suitability FOR APPROV	/AL	Status A1	Revision C03		