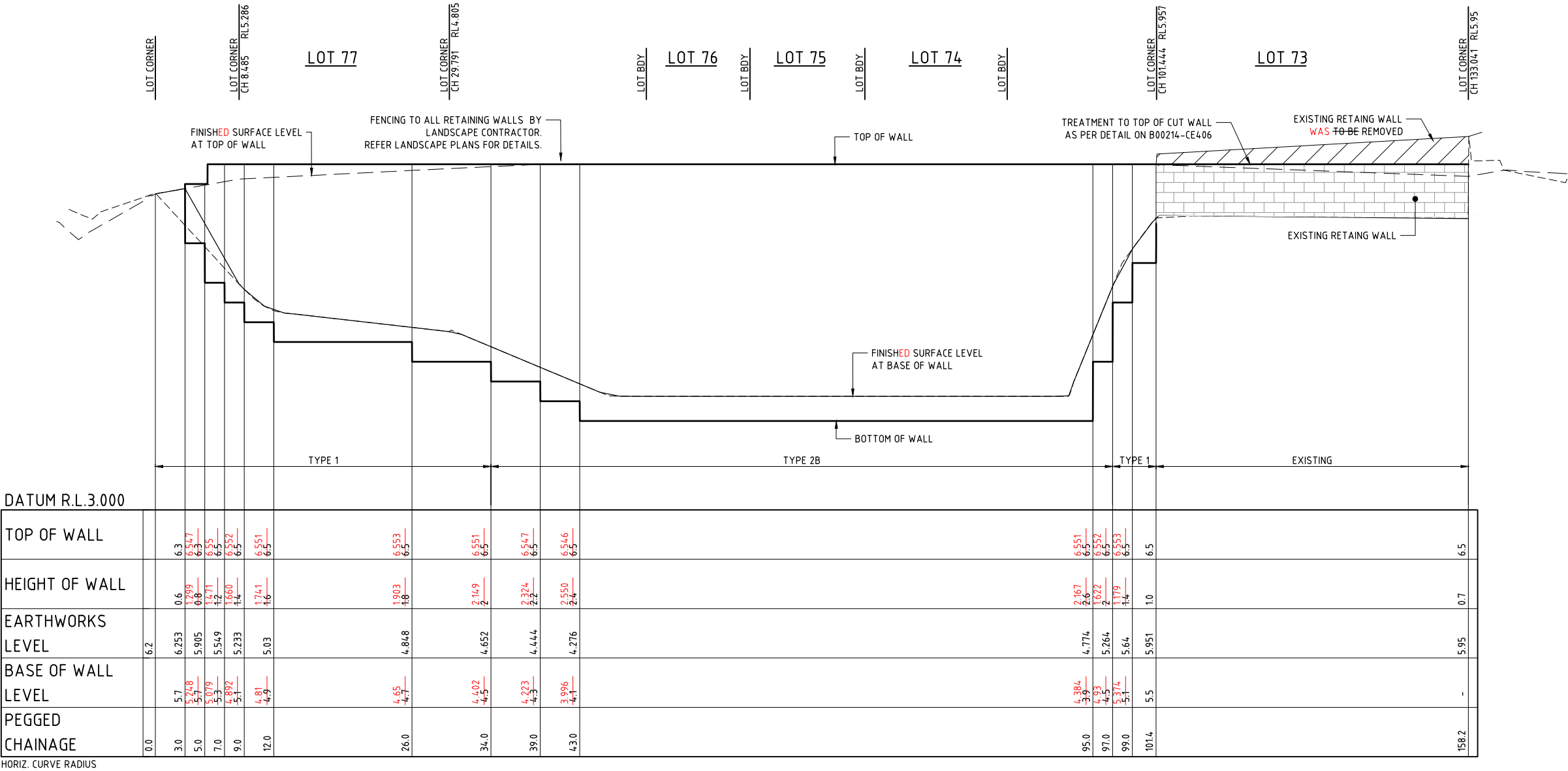


SURVEYOR'S CERTIFICATION

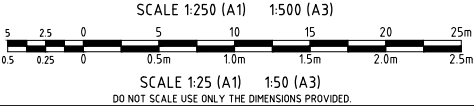
AS CONSTRUCTED INFORMATION SURVEYED BY LEVEL UP SURVEYING PTY LTD AND CERTIFIED BY A REGISTERED CADASTRAL SURVEYOR:
NAME: Brad Costello REG NO. 7430
SIGNATURE: [Signature] DATE 19/09/25

ENGINEER'S CERTIFICATION

THIS DRAWING IS AN ACCURATE REPRESENTATION OF THE WORKS AND THE AS CONSTRUCTED DETAILS PROVIDED CONFORM WITH THE DESIGN INTENT:
NAME: Chris Hobson RPEQ 12732
SIGNATURE: [Signature] DATE 22/9/2025



RETAINING WALL 77



AS CONSTRUCTED

ENGINEERING CERTIFICATION
[Signature]
Registered Engineer
Date 22/9/2025
12732
Registered Accreditation



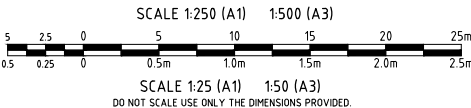
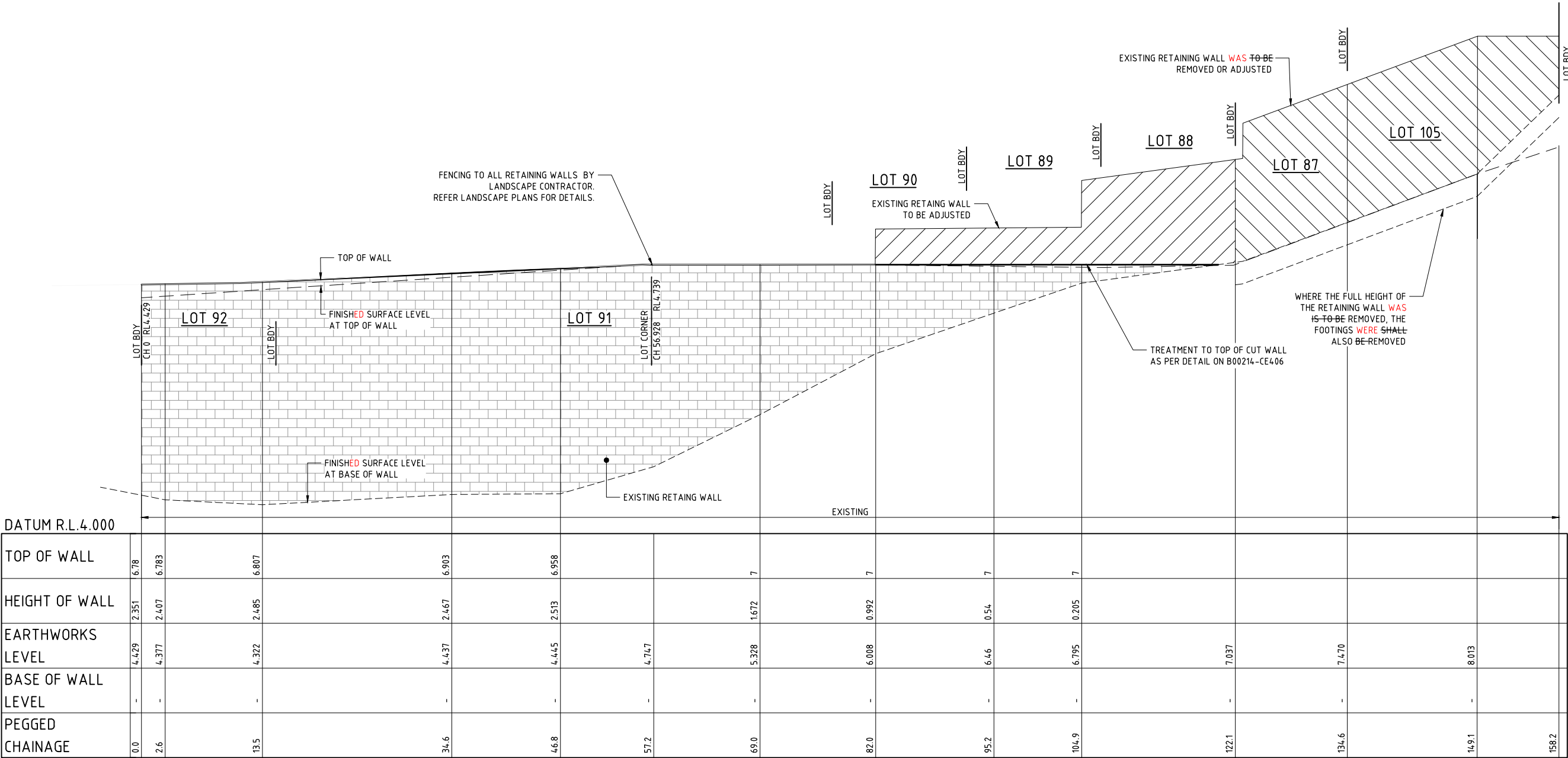
Client	EASTPOINT MACKAY PTY LTD		
Project	DUNES, HARBOUR BEACH - STAGE 1D		
Title	RETAINING WALL LONGITUDINAL SECTIONS SHEET 1 OF 2		
Datum	AHD	PSM 118600	RL 7.152M (MGA) COORD
Project No.	B00214-CE404	Drawing No.	2

SURVEYOR'S CERTIFICATION

AS CONSTRUCTED INFORMATION SURVEYED BY LEVEL UP SURVEYING PTY LTD AND CERTIFIED BY A REGISTERED CADASTRAL SURVEYOR:
NAME: Brad Costello REG NO. 7430
SIGNATURE: [Signature] DATE 19/09/25

ENGINEER'S CERTIFICATION

THIS DRAWING IS AN ACCURATE REPRESENTATION OF THE WORKS AND THE AS CONSTRUCTED DETAILS PROVIDED CONFORM WITH THE DESIGN INTENT:
NAME: Chris Hobson RPEQ 12732
SIGNATURE: [Signature] DATE 22/9/2025



RETAINING WALL 92
SCALE 1: 250 (HORIZ.) 1: 25 (VERT.)

AS CONSTRUCTED

ENGINEERING CERTIFICATION
[Signature]
Registered Engineer
Date 22/9/2025
12732
Registered Accreditation



Client	EASTPOINT MACKAY PTY LTD			Datum	AHD		
Project	DUNES, HARBOUR BEACH - STAGE 1D			PSM	118600		
Title	RETAINING WALL LONGITUDINAL SECTIONS SHEET 2 OF 2			RL	7.152M		
				(MGA) COORD			
				AS CONSTRUCTED			
				Project No.	Drawing No.		Rev
				B00214-CE405			2

NOTES

1. ALL CORES SHALL BE FULLY GROUTED WITH MIN. 20MPa GROUT.
2. 100mm DIA SLOTTED PVC AGRICULTURAL PIPE WRAPPED IN SUECK, LAID TO A MINIMUM UNIFORM GRADE OF 1 IN 100. THE EACH RUN IS TO BE DRAINED THROUGH THE WALL TO THE SYSTEM. THE UPPER END OF EACH RUN IS TO BE BROUGHT TO SURFACE AND CAPPED.
3. 55mm COVER TO REO BARS IN WALL. 70mm COVER TO REO BARS IN FOOTING.
4. ALLOWABLE BEARING CAPACITY AT BASE OF RETAINING WALL FOUNDATION SHOULD BE 125 KPa IN SAND DCPs AT FOUNDATION LEVEL SHALL BE 4-5 BLOWS PER 100mm OR GREATER AND OR 5 FOUNDATION LEVEL SHALL BE N-10 BLOWS PER 300mm. IF ACHIEVED GROUND IMPROVE EITHER BY FLOOD COMPACTING ROLLING OR FOUNDATION REPLACEMENT WILL BE REQUIRED.

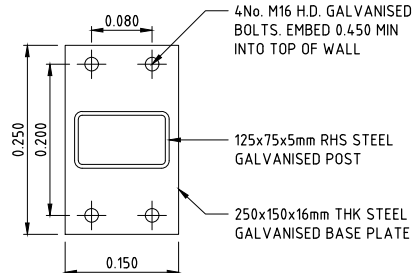
H (m)	B1 (m)
2.0	1.8
1.8	1.8
1.6	1.6
1.4	1.6
1.2	1.4
1.0	1.4
0.8	1.2

SURVEYOR'S CERTIFICATION

AS CONSTRUCTED INFORMATION SURVEYED BY LEVEL UP SURVEYING PTY LTD AND CERTIFIED BY A REGISTERED CADASTRAL SURVEYOR:
NAME: **Brad Costello** REG NO. **7430**
SIGNATURE: *[Signature]* DATE **19/09/25**

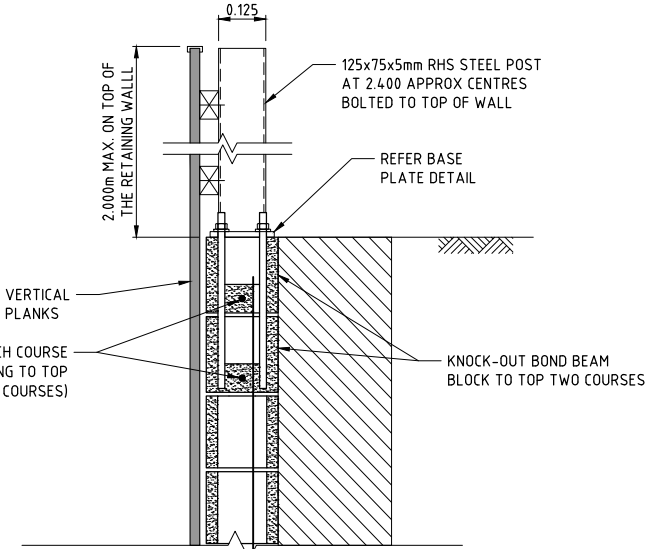
ENGINEER'S CERTIFICATION

THIS DRAWING IS AN ACCURATE REPRESENTATION OF THE WORKS AND THE AS CONSTRUCTED DETAILS PROVIDED CONFORM WITH THE DESIGN INTENT:
NAME: **Chris Hobson** RPEQ **12732**
SIGNATURE: *[Signature]* DATE **22/9/2025**



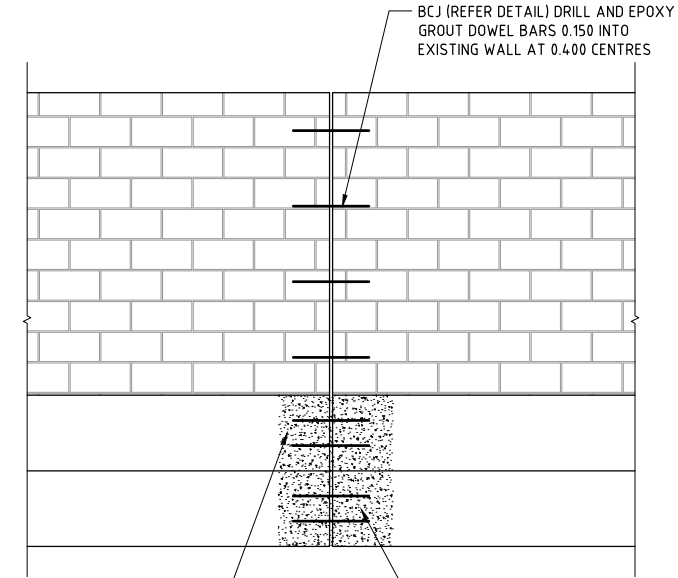
BASE PLATE DETAIL

SCALE 1:5



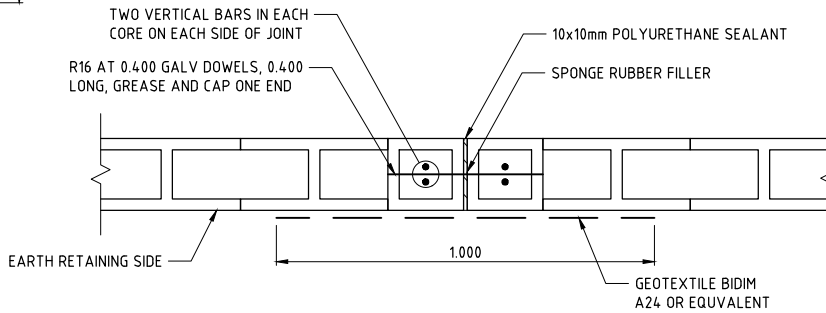
RETAINING WALL FENCE TYPICAL SECTION

SCALE 1:10



SECTION ALONG WALL AXIS
CONNECTION TO EXISTING

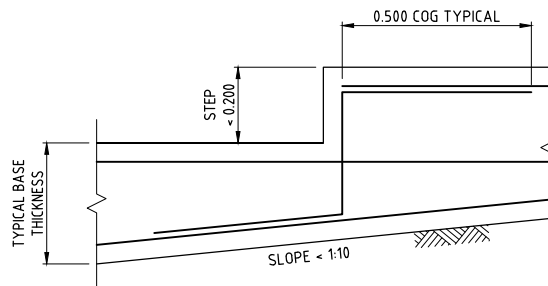
NTS



BLOCKWORK CONTROL JOINT (BCJ)

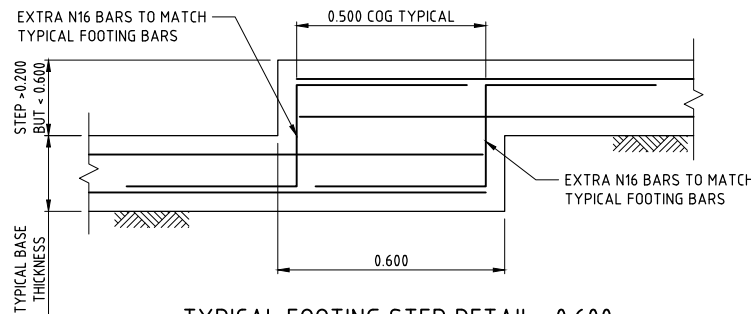
SCALE 1:10

LOCATE BCJ'S AT 10m MAX CRS



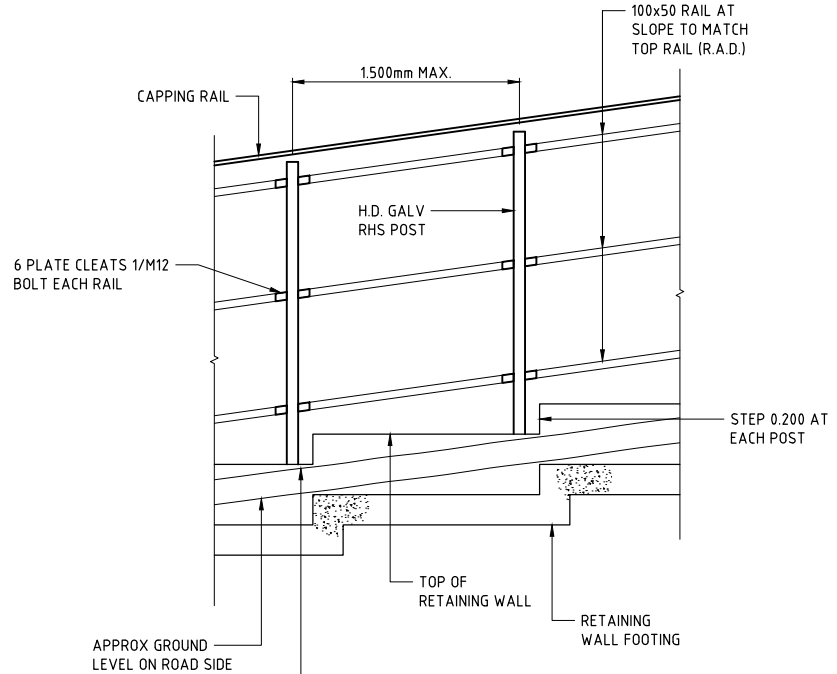
TYPICAL FOOTING STEP DETAIL <0.200

SCALE 1:10



TYPICAL FOOTING STEP DETAIL <0.600

SCALE 1:10

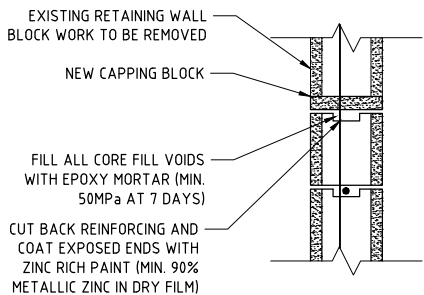


TYPICAL FENCE ELEVATION

NOT TO SCALE

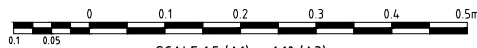
TYPICAL RETAINING WALL TYPE 1

SCALE 1:25



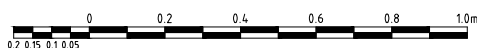
TYPICAL TREATMENT
TO TOP OF CUT WALL

SCALE 1:10



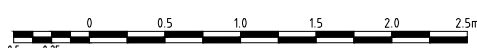
SCALE 1:5 (A1) 1:10 (A3)

DO NOT SCALE USE ONLY THE DIMENSIONS PROVIDED.



SCALE 1:10 (A1) 1:20 (A3)

DO NOT SCALE USE ONLY THE DIMENSIONS PROVIDED.



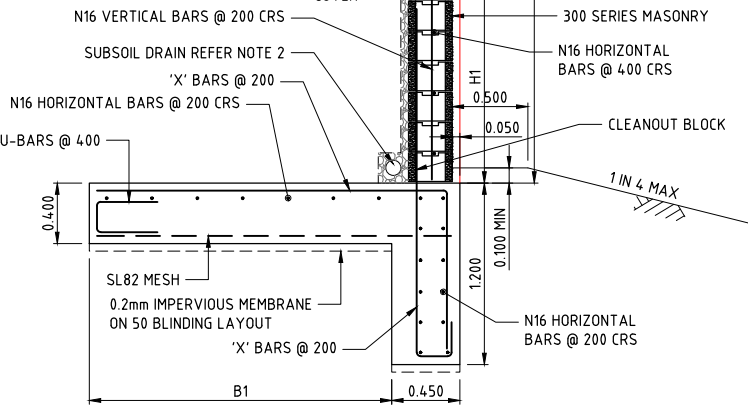
SCALE 1:25 (A1) 1:50 (A3)

DO NOT SCALE USE ONLY THE DIMENSIONS PROVIDED.

LEVEL BACKFILL
5KPa MAX SURCHARGE

WALL HEIGHT (M)	H1 (M)	B1 (M)	X BARS
3.4	1.4 (MAX)	3.0	N20
3.2	1.2	2.8	N20
3.0	1.0	2.6	N20
2.8	0.8	2.4	N20
2.6	0.8	2.2	N20
2.4	0.8	2.0	N16
2.2	0.8	2.0	N16

CORNDRAIN/1200 - 18mm THICKNESS WITH 100mm SOCKETED AGRICULTURAL DRAIN AT BASE INSTALLED AS PER MANUFACTURERS REQUIREMENTS AS REQUESTED BY JMAC



TYPICAL RETAINING WALL TYPE 2B

SCALE 1:25

AS CONSTRUCTED

ENGINEERING CERTIFICATION

[Signature]
Registered Engineer
Date **22/9/2025**
12732
Registered Accreditation



Client **EASTPOINT MACKAY PTY LTD**

Project **DUNES, HARBOUR BEACH - STAGE 1D**

Title **RETAINING WALL DETAILS**

Datum **AHD**

PSM **118600**

RL **7.152M**

(MGA) COORD

Project No. **B00214-CE406**

Drawing No. **2**

Rev