

Rev	Date	Amendment	Drawn

PROJECT  
**PAIHIA TO OPUA COASTAL WALKWAY  
 STAGE 2**

TITLE  
**OVERALL PLAN**



Ph: (09) 638-7221 www.frame.co.nz

PREPARED FOR



SCALE Plan Scale 1:12000 @ A3	Date: SEPTEMBER 2022
DRAWN JR	FGL JOB 21/034/02
APPROVED	DRAWING 21/034/02 SHT 00

REV
-----

Rev	Date	Amendment	Drawn



### Legend

- - - - - Section B: Part of stage 1
- - - - - Section C: Te Hamui Shoreline (Refer to required work schedule)
- - - - - Section D: Boardwalk to English Bay (Refer to required work schedule)
- - - - - Tracks (No Works)

PROJECT  
**PAIHIA TO OPUA COASTAL WALKWAY  
STAGE 2**

TITLE  
**SECTION C  
DETAILED PLAN**



Ph: (09) 638-7221 www.frame.co.nz

PREPARED FOR



SCALE

Plan Scale 1:3000 @ A3

Date:

SEPTEMBER 2022

DRAWN

JR

FGL JOB

21/034/02

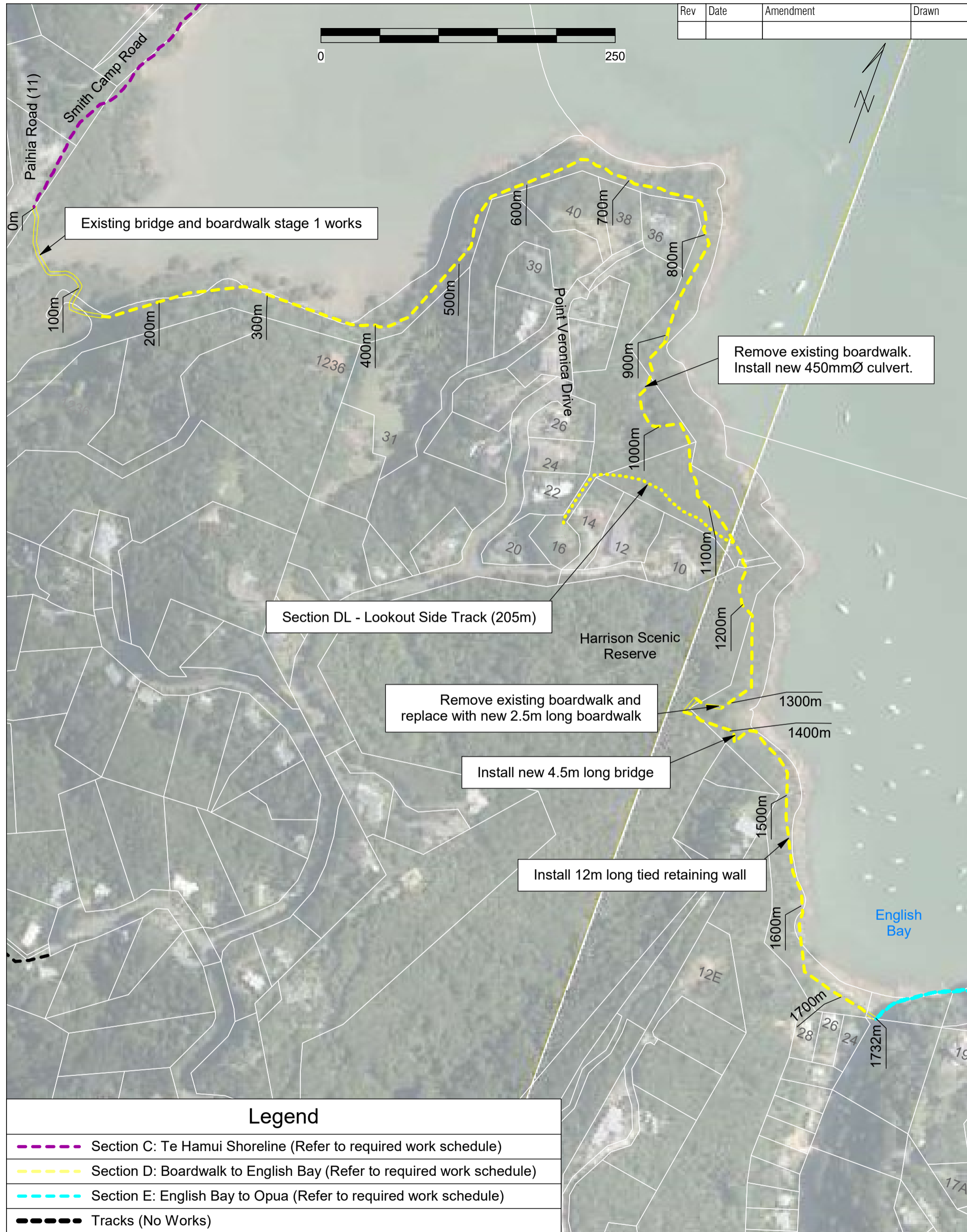
APPROVED

DRAWING

21/034 SHT 01

REV

Rev	Date	Amendment	Drawn



### Legend

- - - - - Section C: Te Hamui Shoreline (Refer to required work schedule)
- - - - - Section D: Boardwalk to English Bay (Refer to required work schedule)
- - - - - Section E: English Bay to Opuia (Refer to required work schedule)
- - - - - Tracks (No Works)

PROJECT  
**PAIHIA TO OPUA COASTAL WALKWAY  
 STAGE 2**

TITLE  
**SECTION D  
 DETAILED PLAN**



Ph: (09) 638-7221 www.frame.co.nz

PREPARED FOR



SCALE  
 Plan Scale 1:3000 @ A3

DRAWN  
 JR

APPROVED

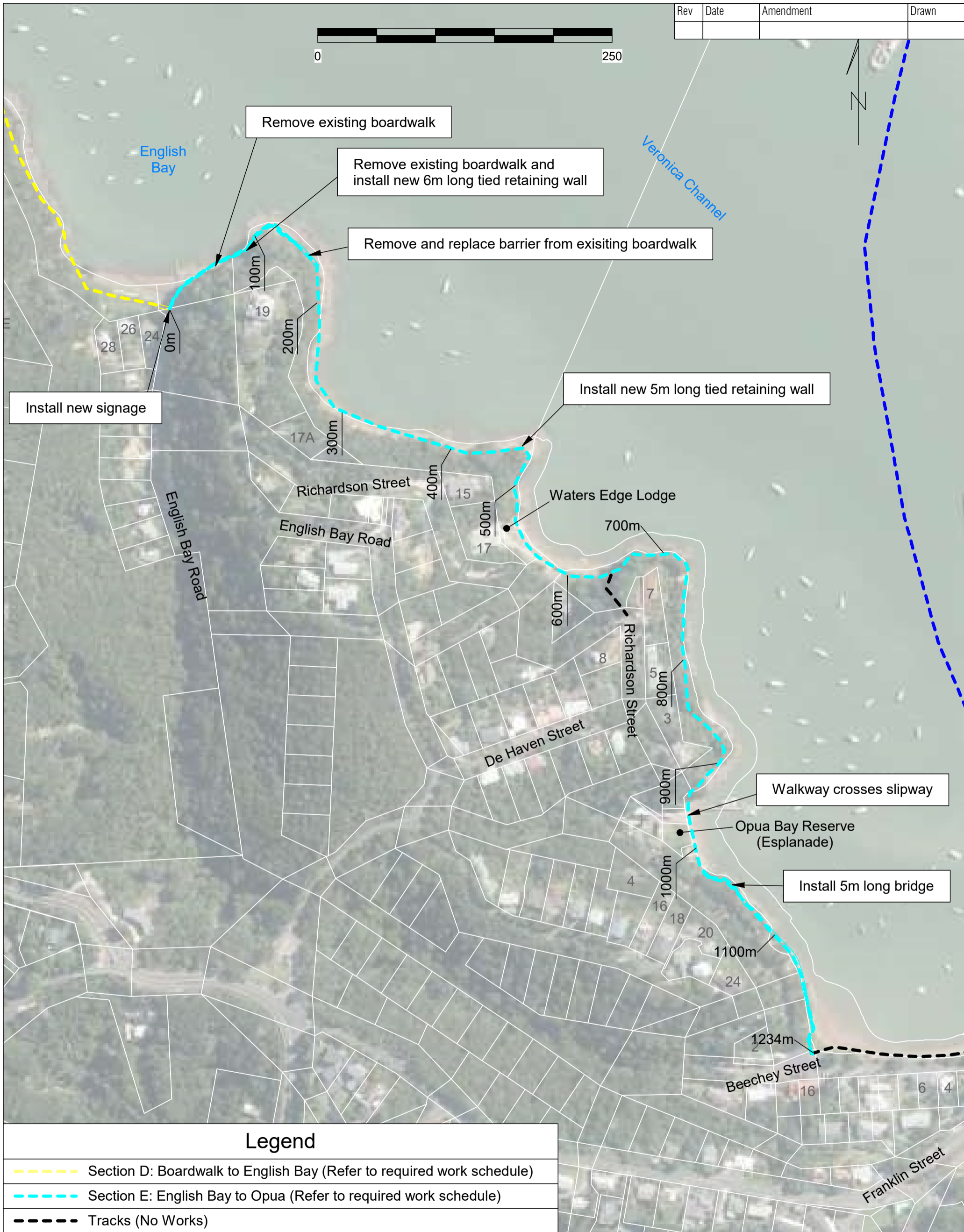
Date:  
 SEPTEMBER 2022

FGL JOB  
 21/034/02

DRAWING  
 21/034 SHT 02

REV

Rev	Date	Amendment	Drawn



### Legend

- Section D: Boardwalk to English Bay (Refer to required work schedule)
- Section E: English Bay to Opua (Refer to required work schedule)
- Tracks (No Works)


PROJECT  
**PAIHIA TO OPUA COASTAL WALKWAY  
 STAGE 2**

TITLE  
**SECTION E  
 DETAILED PLAN**



Ph: (09) 638-7221 www.frame.co.nz

PREPARED FOR



SCALE  
 Plan Scale 1:3000 @ A3

DRAWN  
 JR

APPROVED

Date: SEPTEMBER 2022

FGL JOB  
 21/034/02

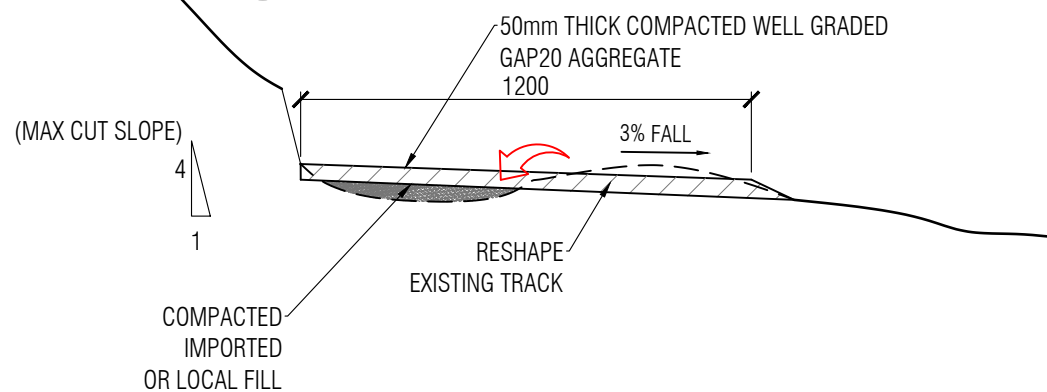
DRAWING  
 21/034 SHT 03

REV

Rev	Date	Amendment	Drawn

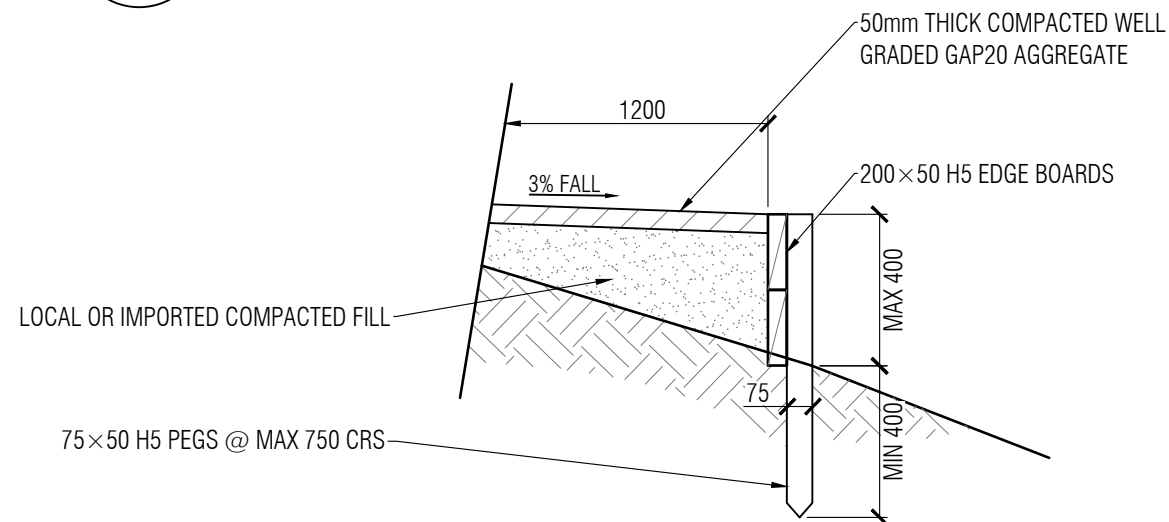
**01** TYPICAL RESHAPE MONOSLOPE FORMATION

SHT - 1:20 @ A3



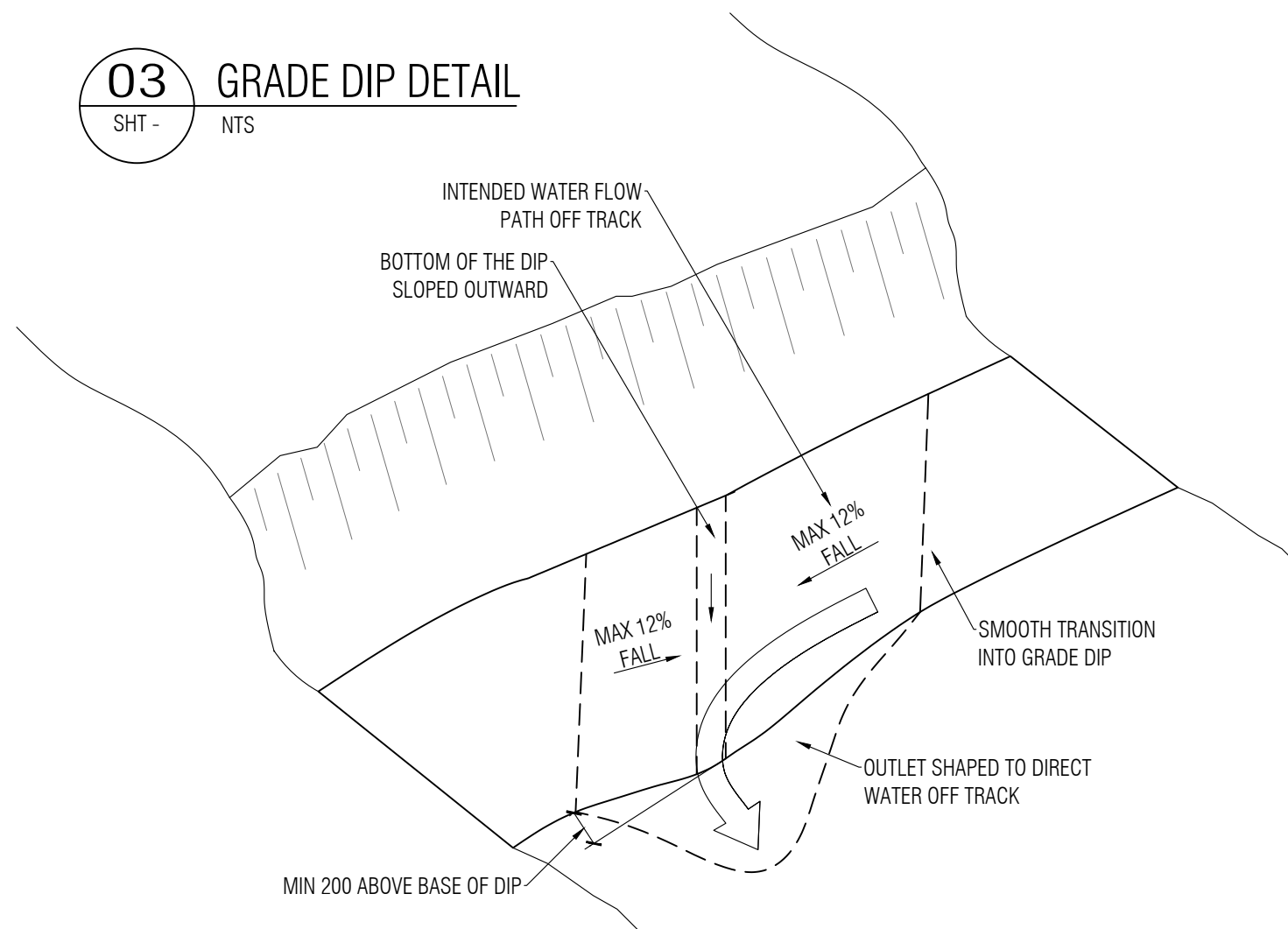
**02** TYPICAL EDGE BOARD FORMATION

SHT - 1:20 @ A3



**03** GRADE DIP DETAIL

SHT - NTS



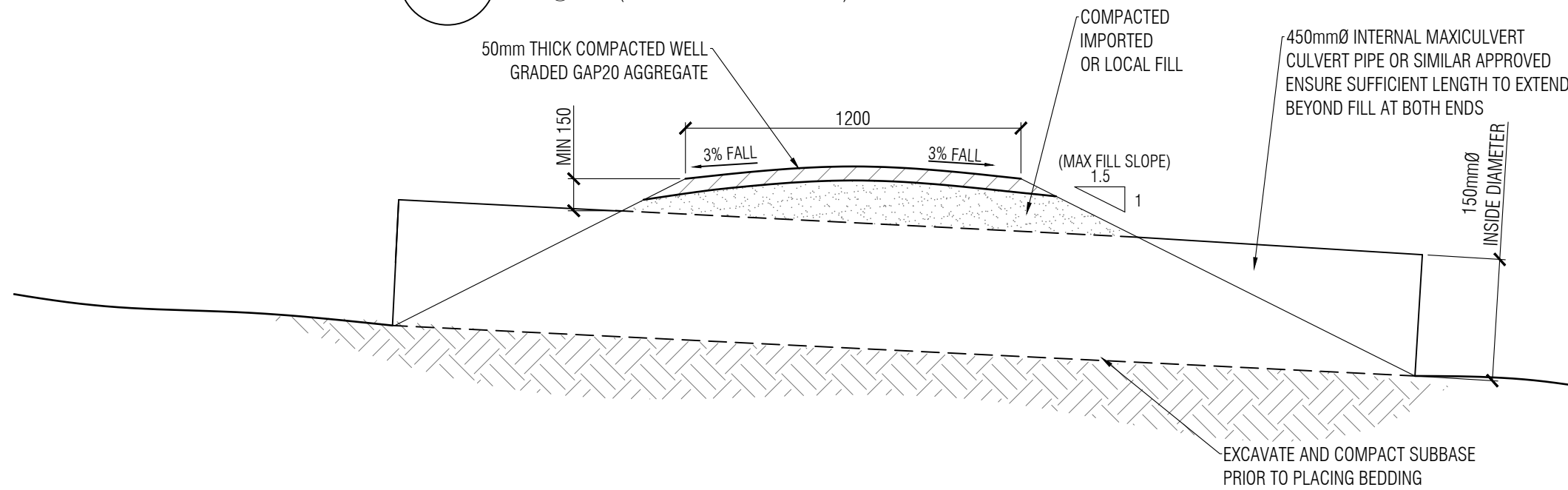
DO NOT SCALE

DO NOT SCALE

**04** CULVERT INSTALLATION DETAILS

SHT - 1:20 @A3 (AT WATERCOURSE LOCATIONS)

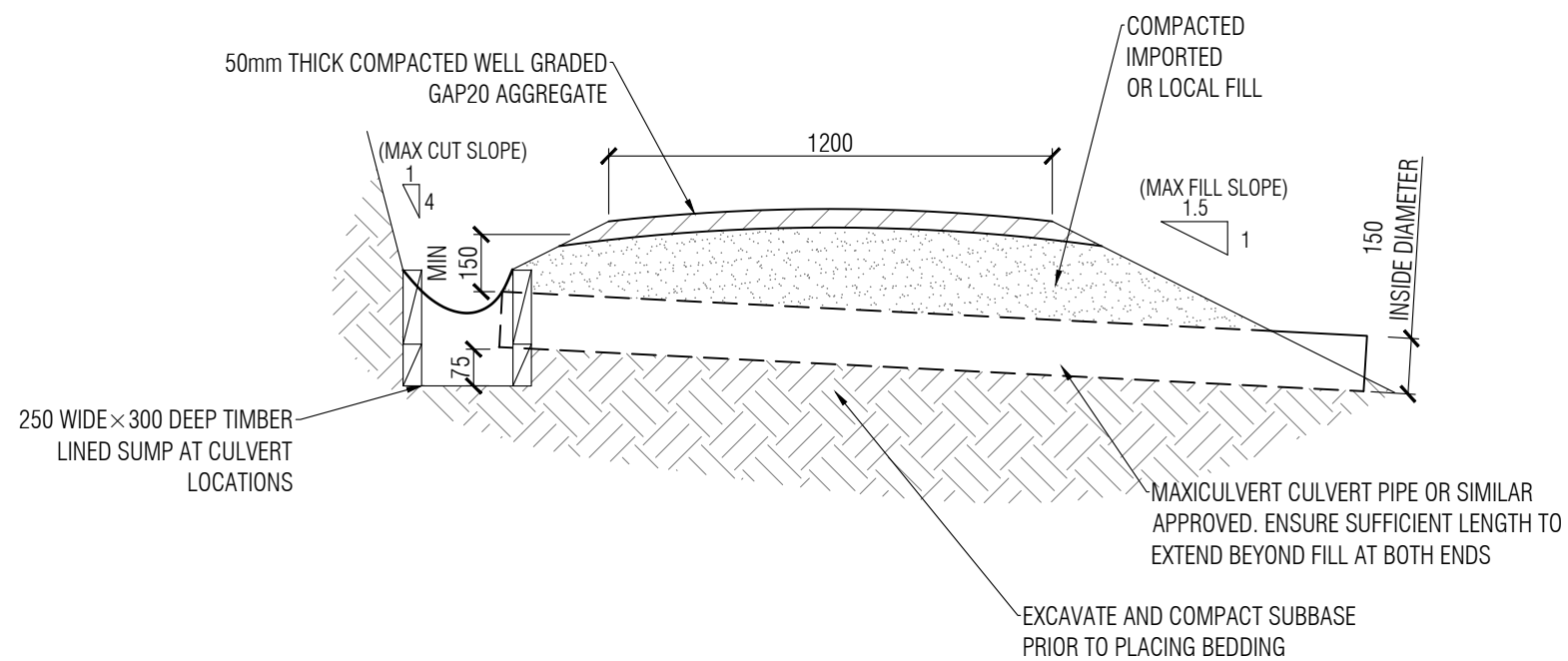
Rev	Date	Amendment	Drawn



DO NOT SCALE

**05** TYPICAL CROWNED FORMATION WITH DISCHARGE CULVERT

SHT - 1:20 @A3



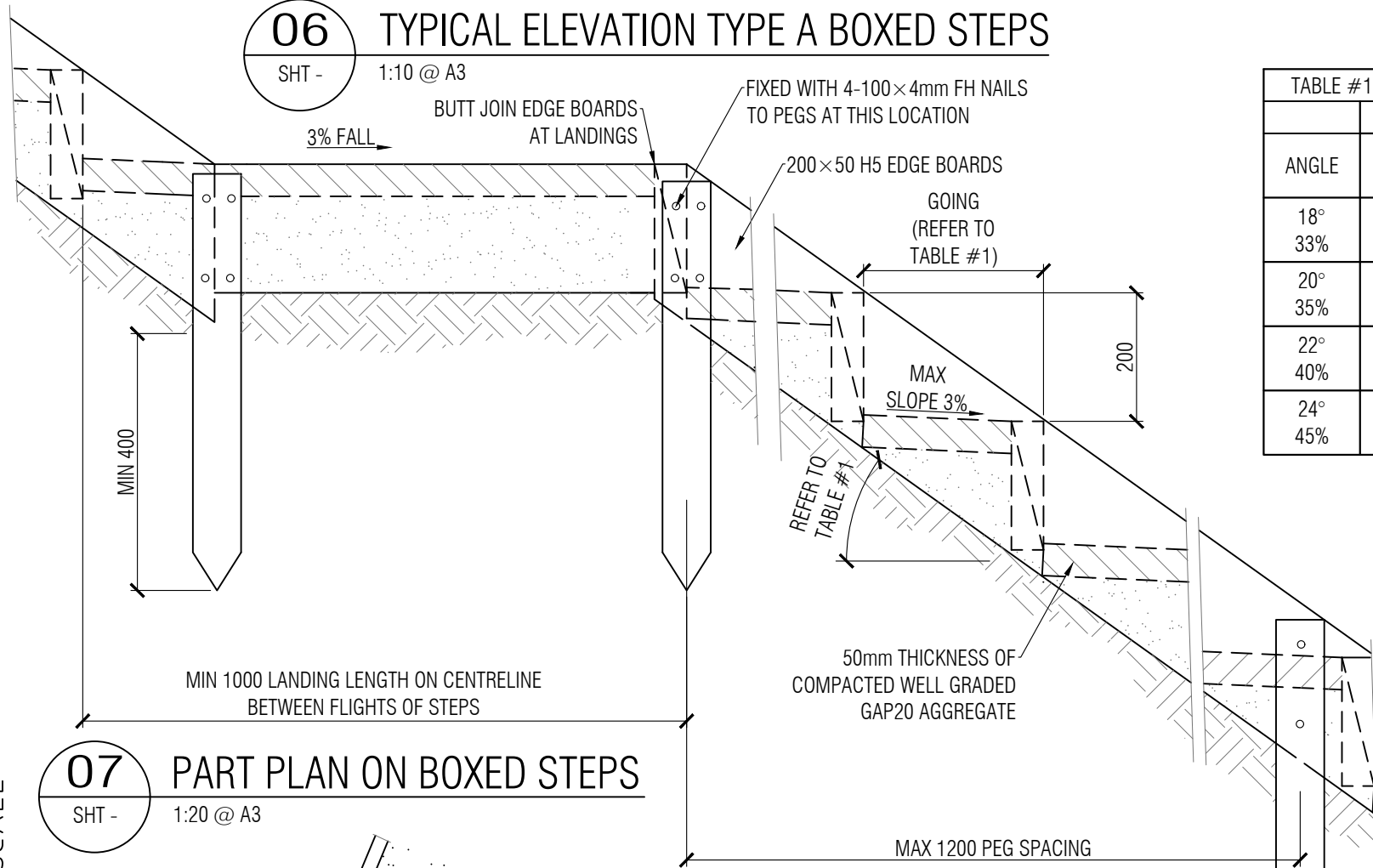
DO NOT SCALE

DO NOT SCALE

Rev	Date	Amendment	Drawn

# 06 TYPICAL ELEVATION TYPE A BOXED STEPS

SHT - 1:10 @ A3



ANGLE	DV	
	GOING (mm)	RISE (mm)
18° 33%	615	200
20° 35%	600	200
22° 40%	525	200
24° 45%	465	200

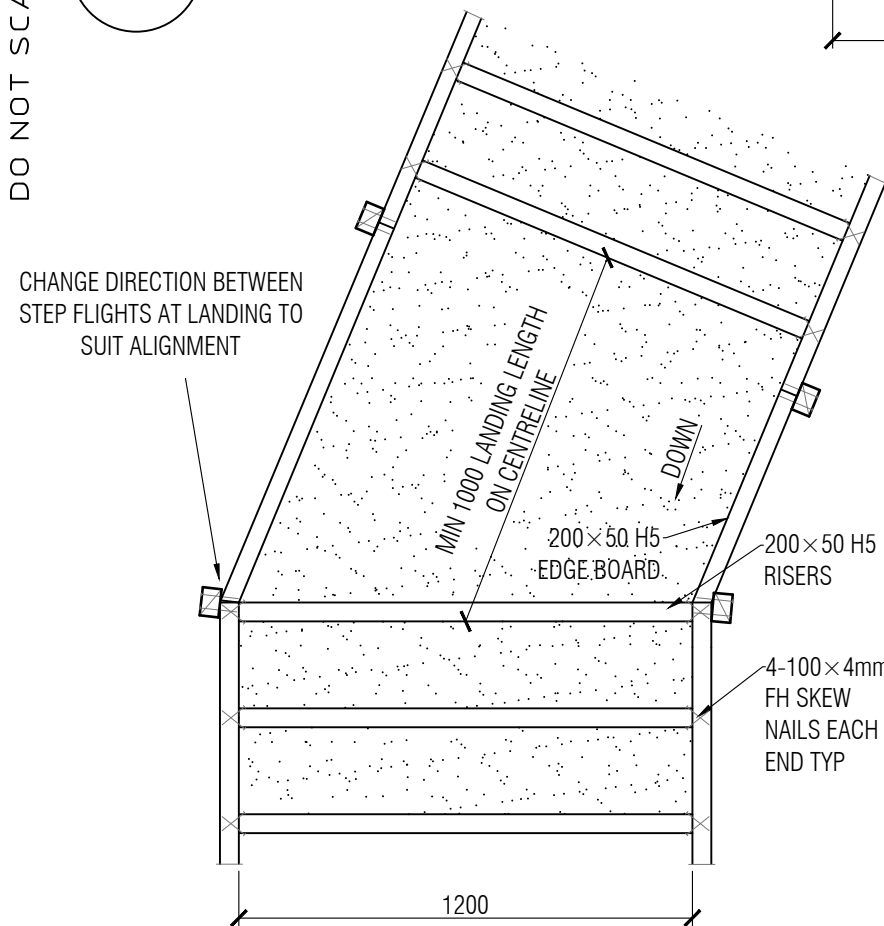
**NOTES:**

- TREATMENT:**  
- ALL TIMBER TO BE H5 TREATED.
- LANDINGS:**  
- MAXIMUM 2.5m VERTICAL RISE BETWEEN LANDINGS.  
- LANDINGS SHALL CONSIST OF AT LEAST 1000mm LEVEL STEP.
- SET-OUT:**  
- STEPS SHALL HAVE UNIFORM LENGTH AND RISER HEIGHT WITHIN EACH FLIGHT BETWEEN LANDINGS.

# 07 PART PLAN ON BOXED STEPS

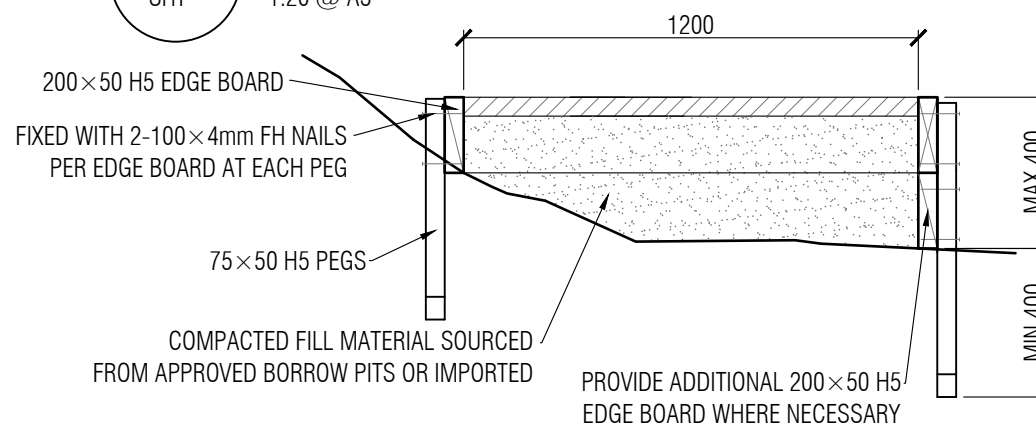
SHT - 1:20 @ A3

DO NOT SCALE



# A TYPICAL SECTION ON BOXED STEPS

SHT - 1:20 @ A3

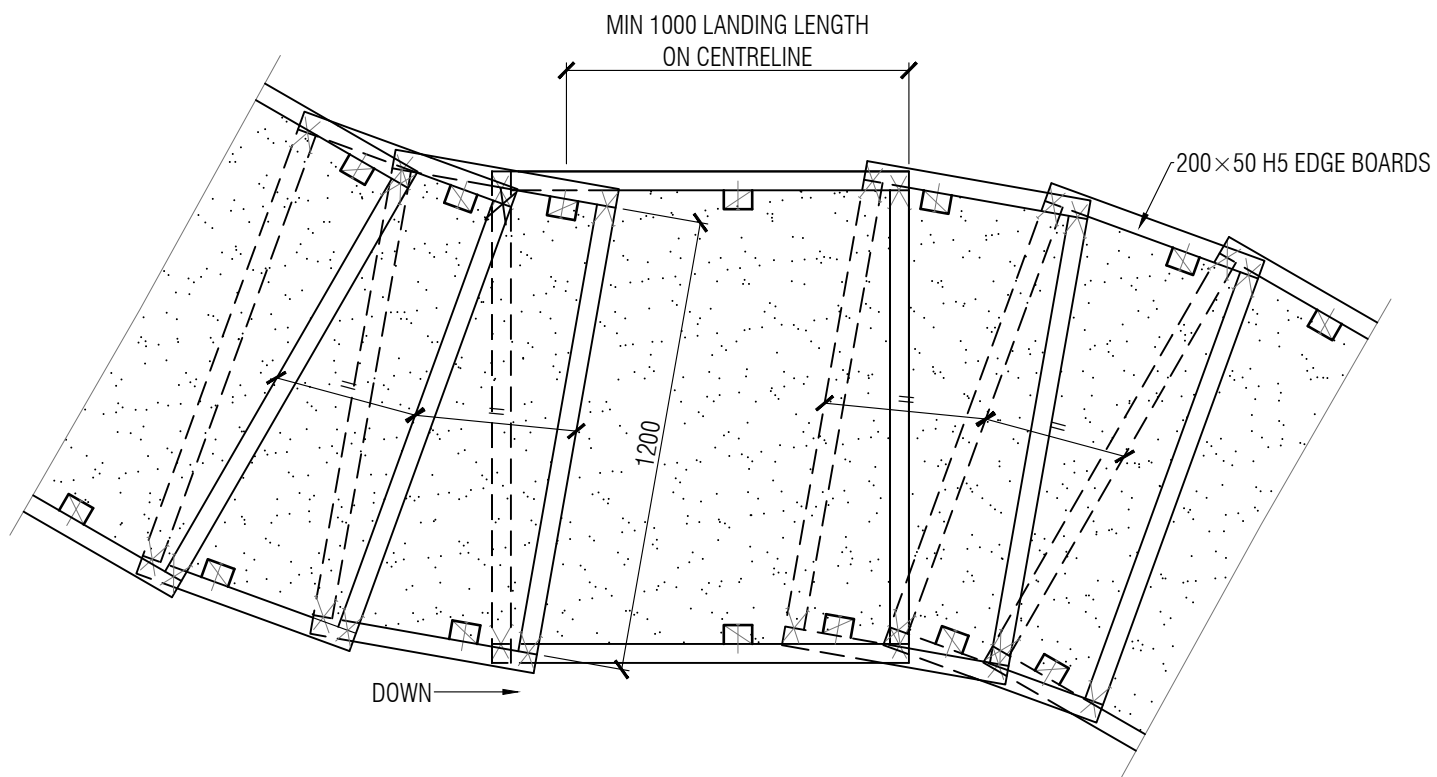


DO NOT SCALE

Rev	Date	Amendment	Drawn

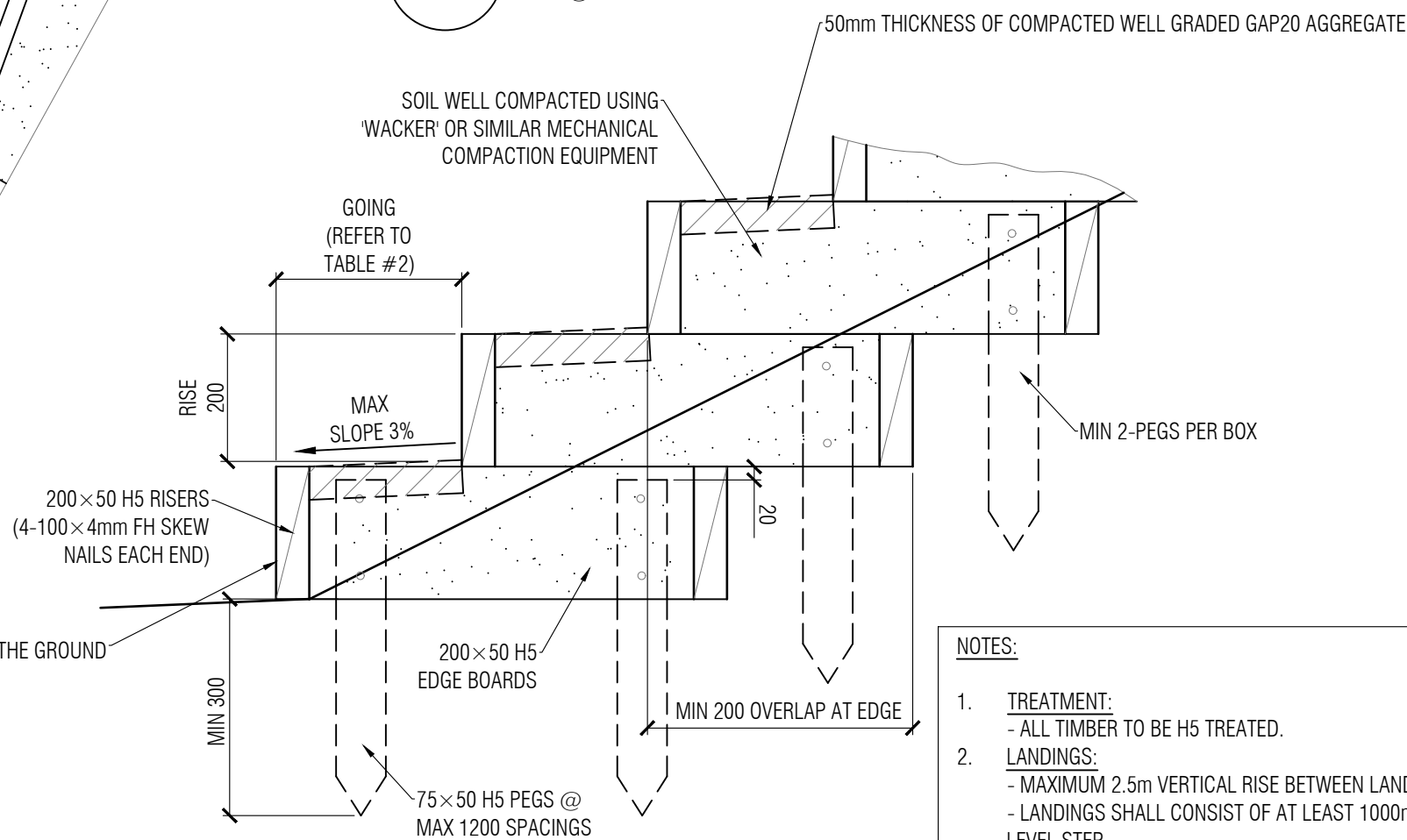
# 08 TYPICAL PLAN ON LANDING

SHT - 1:20 @ A3



# 09 TYPICAL ELEVATION ON TYPE "B" BOXED STEPS

SHT - 1:10 @ A3



ANGLE	DV	
	GOING (mm)	RISE (mm)
18° 33%	615	200
20° 35%	600	200
22° 40%	525	200
24° 45%	465	200

- NOTES:**
- TREATMENT:**  
- ALL TIMBER TO BE H5 TREATED.
  - LANDINGS:**  
- MAXIMUM 2.5m VERTICAL RISE BETWEEN LANDINGS.  
- LANDINGS SHALL CONSIST OF AT LEAST 1000mm LEVEL STEP.
  - SET-OUT:**  
- STEPS SHALL HAVE UNIFORM LENGTH AND RISER HEIGHT WITHIN EACH FLIGHT BETWEEN LANDINGS.

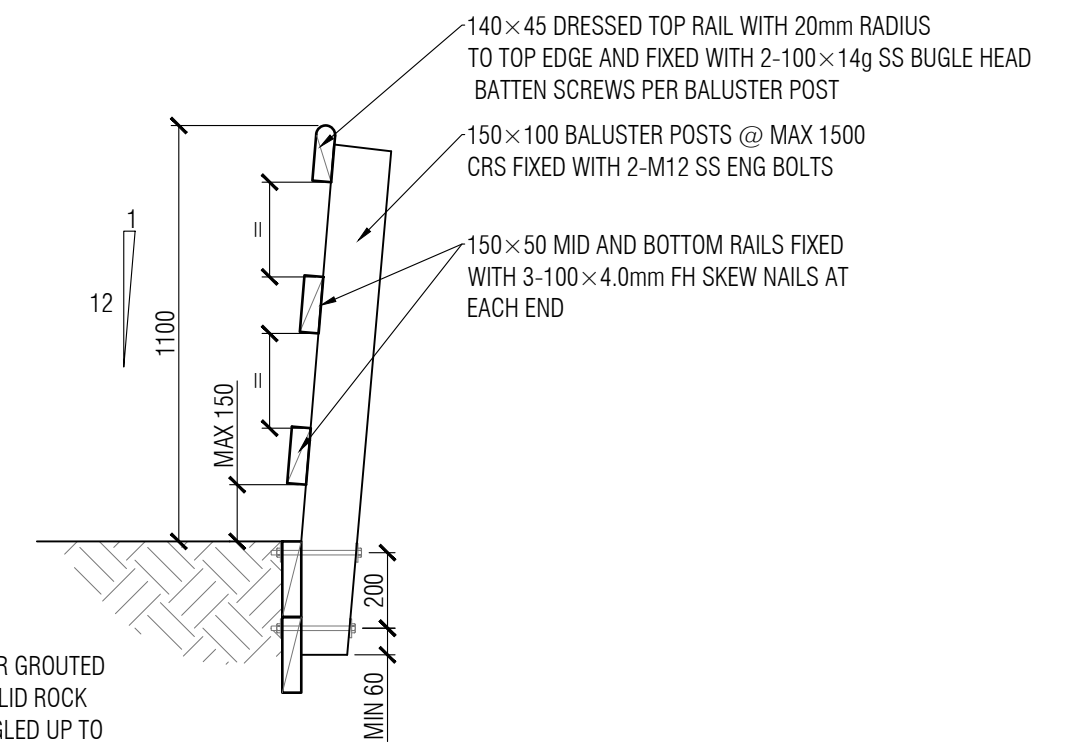
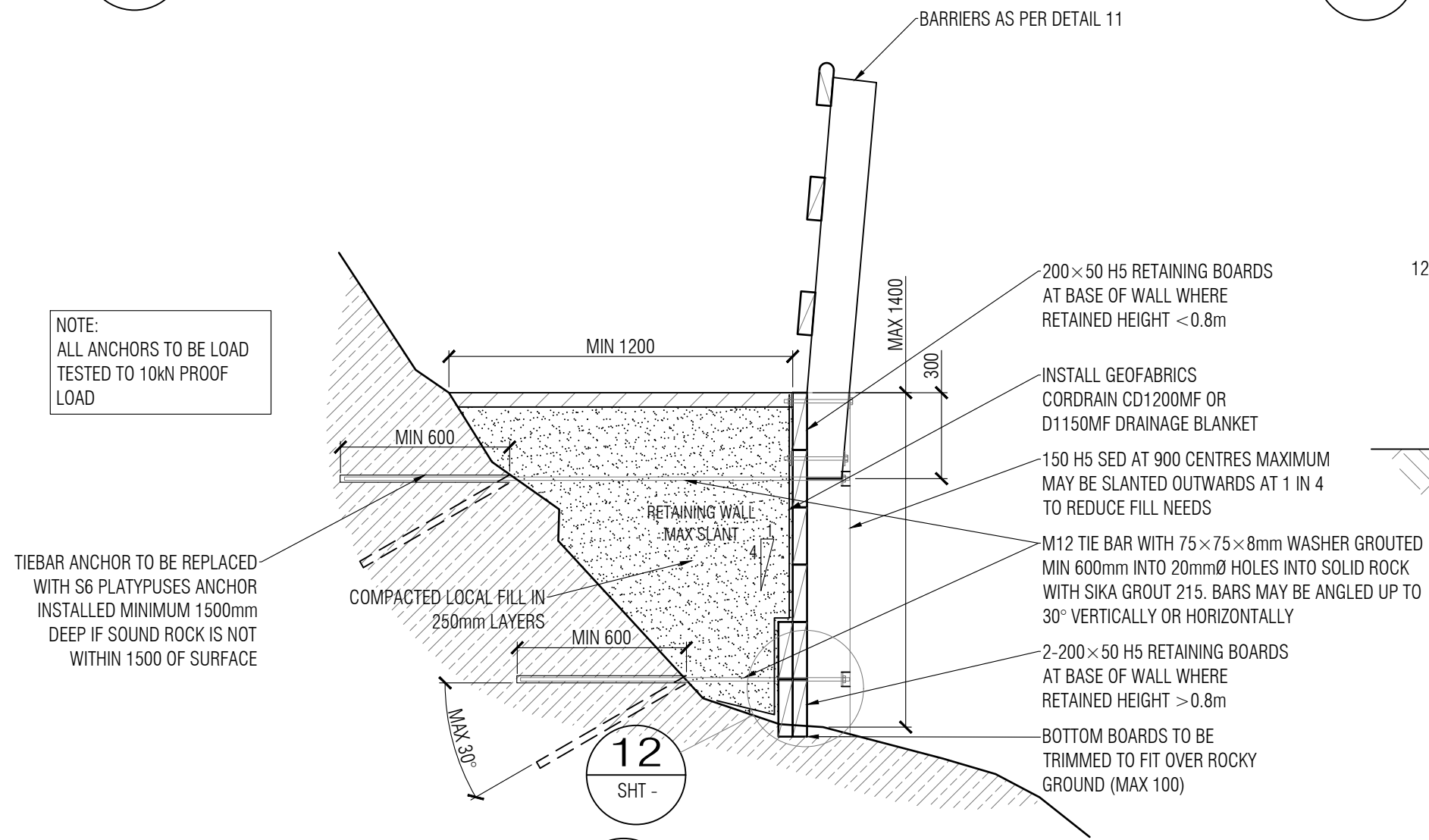
DO NOT SCALE



Rev	Date	Amendment	Drawn

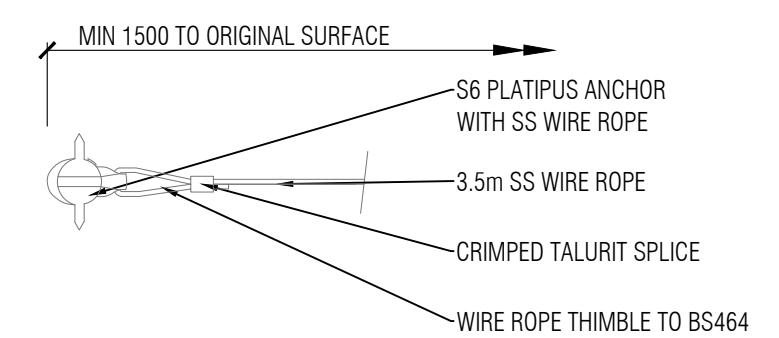
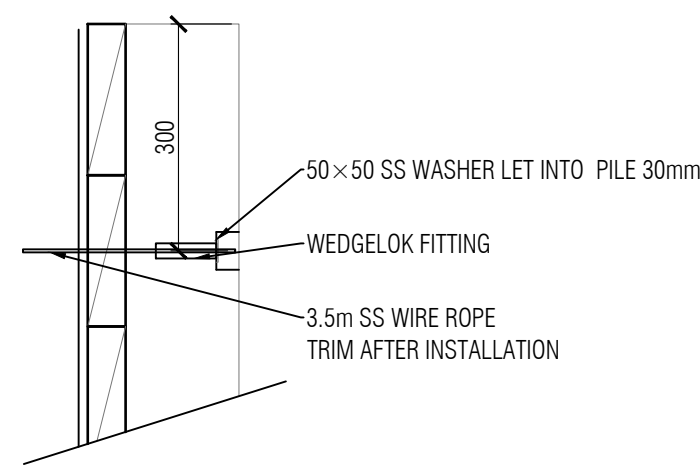
**10** RETAINING WALL (INTO ROCK) DETAIL  
SHT - 1:20 @ A3

**11** RETAINING WALL BARRIER DETAILS  
SHT - 1:20 @ A3



**12** ANCHORAGE TERMINATION DETAIL  
SHT - 1:10 @ A3 (BOTTOM FIXING SIMILAR)

**13** PLATIPUS ANCHORAGE DE  
SHT - 1:10 @ A3



DO NOT SCALE

THIS STRUCTURE IS DESIGNED IN ACCORDANCE WITH SNZ HB 8630:2004 "TRACKS AND OUTDOOR VISITOR STRUCTURES"

DESIGN DETAILS	
SITE USER GROUP	DV
BARRIER DESIGN LOAD	0.75 Kn/m
EFFECTIVE FALL HEIGHT	1.5m > x > 3m



PROJECT: PAIHIA TO OPUA COASTAL WALKWAY STAGE 2

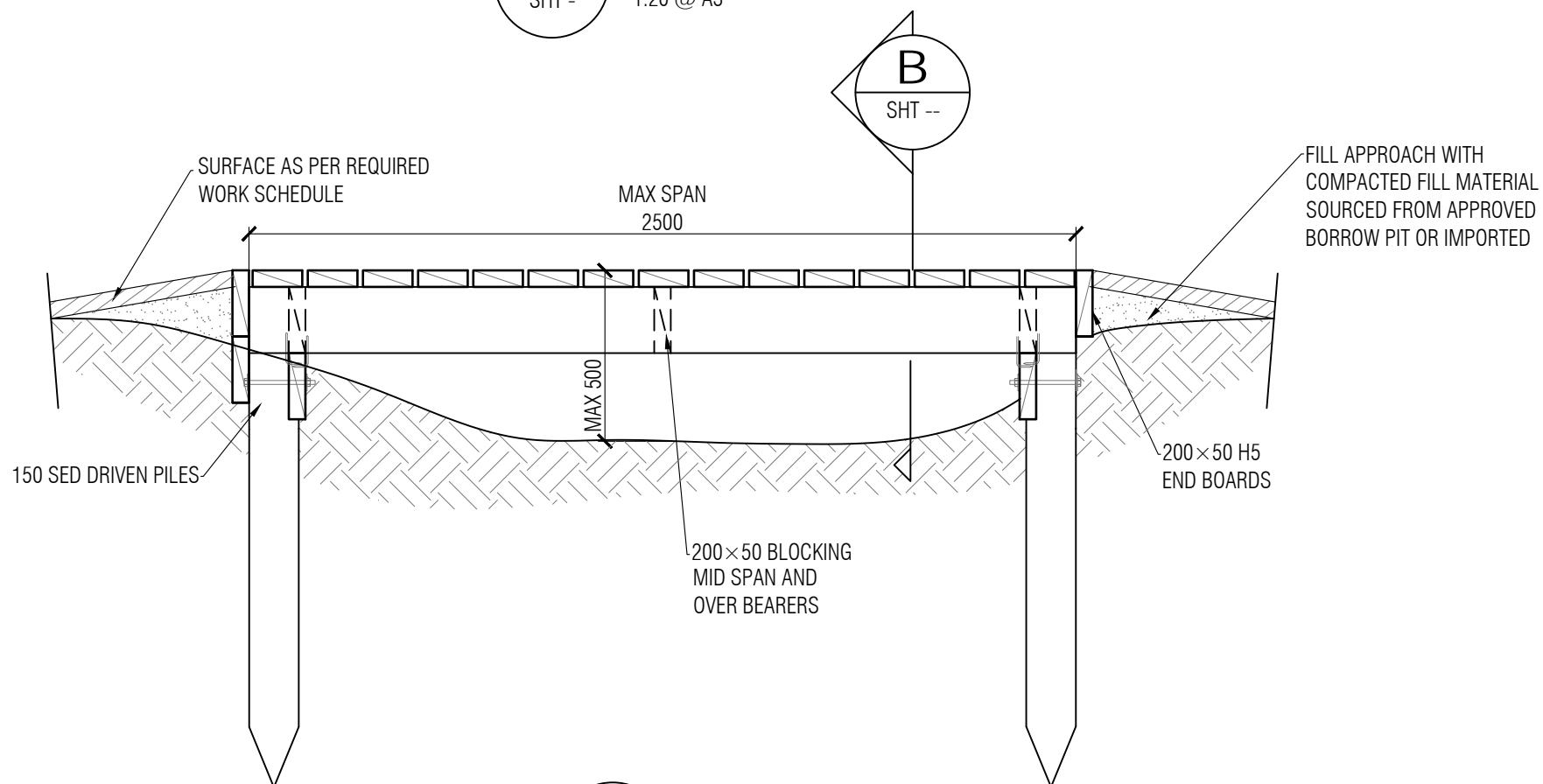
TITLE: RETAINING WALL CONSTRUCTION DETAILS

SCALE	AS SHOWN	DATE	SEPT 2022
DRAWN	SLM	DESIGNED	FGL JOB 21/034/02
APPROVED		REV	DRAWING SHT 14

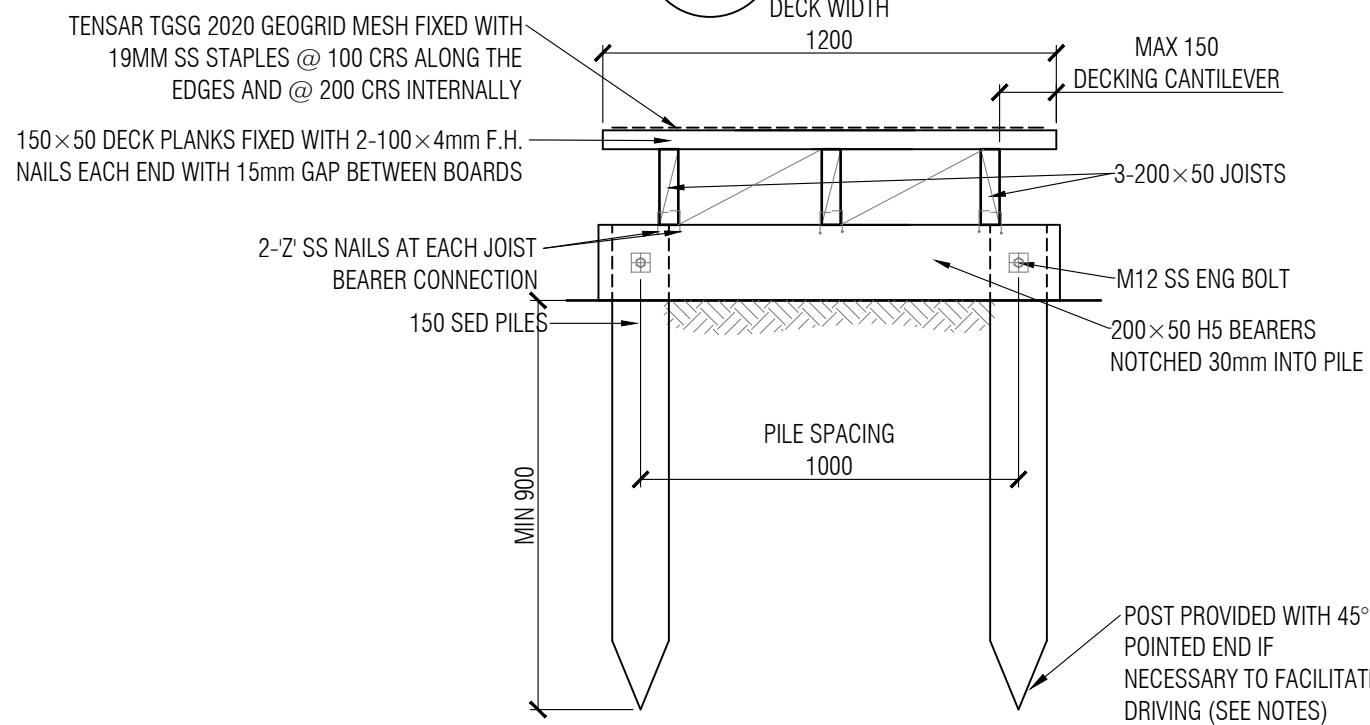
DO NOT SCALE

Rev	Date	Amendment	Drawn

**14** LOW BOARDWALK ELEVATION  
SHT - 1:20 @ A3



**B** LOW BOARDWALK SECTION  
SHT -- 1:20 @ A3



THIS STRUCTURE IS DESIGNED IN ACCORDANCE WITH SNZ HB 8630:2004 "TRACKS AND OUTDOOR VISITOR STRUCTURES"

DESIGN DETAILS	
SITE USER GROUP	DV
BARRIER DESIGN LOAD	0.75 Kn/m
DECK DESIGN LOAD	4.0 kPa
EFFECTIVE FALL HEIGHT	<1.5m

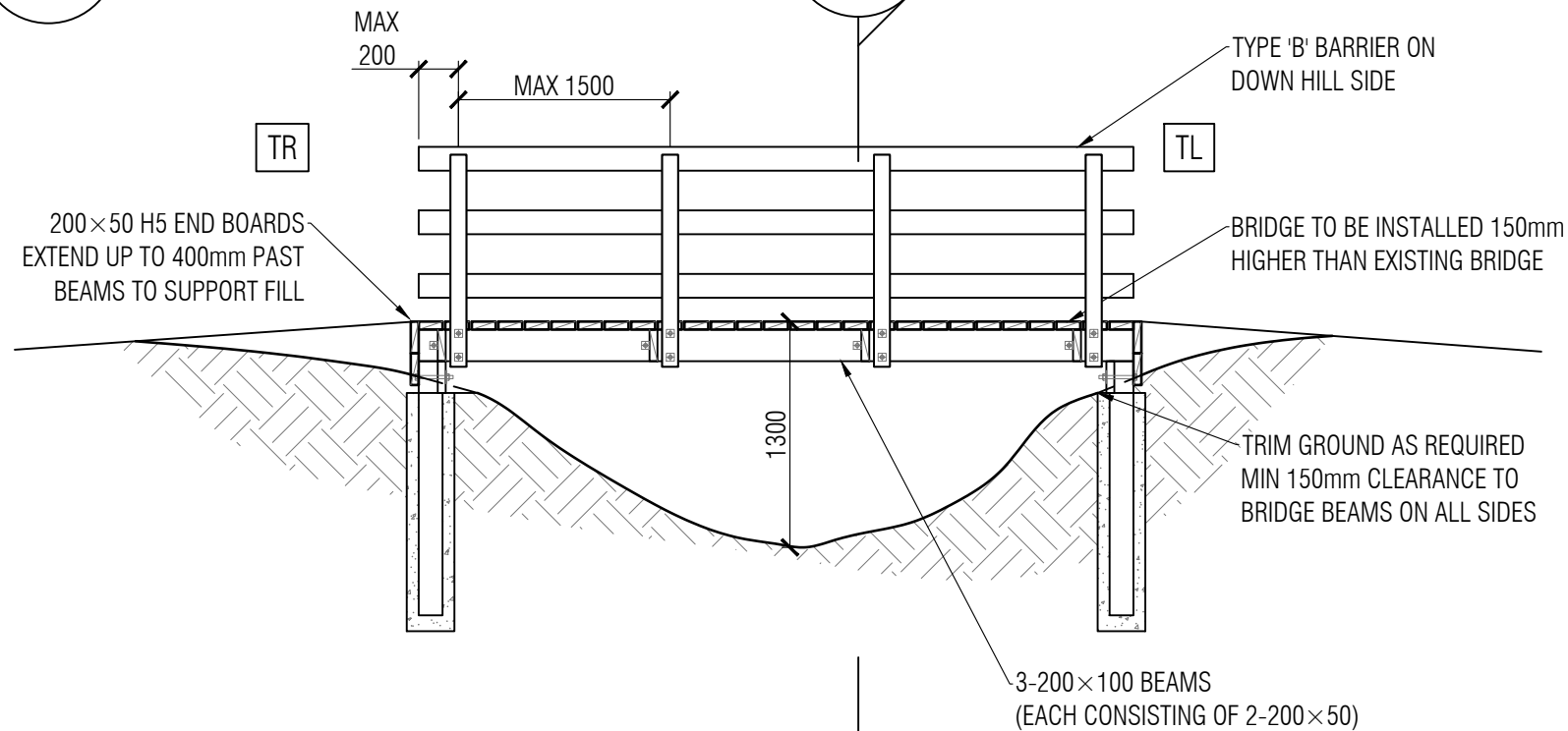
DO NOT SCALE

<p>Ph: (09) 638-7221 www.frame.co.nz</p>	<p>Te Kaunihera o Tai Tokerau ki te Raki</p>	<p>PROJECT</p> <p><b>PAIHIA TO OPUA COASTAL WALKWAY STAGE 2</b></p>	<p>TITLE</p> <p><b>2.5m LONG BOARDWALK (D-S26) ELEVATION AND PLAN</b></p>	SCALE	AS SHOWN	DATE	SEPT 2022	
				DRAWN	SLM	DESIGNED	FGL JOB	21/034/02
				APPROVED	REV	DRAWING	SHT 15	

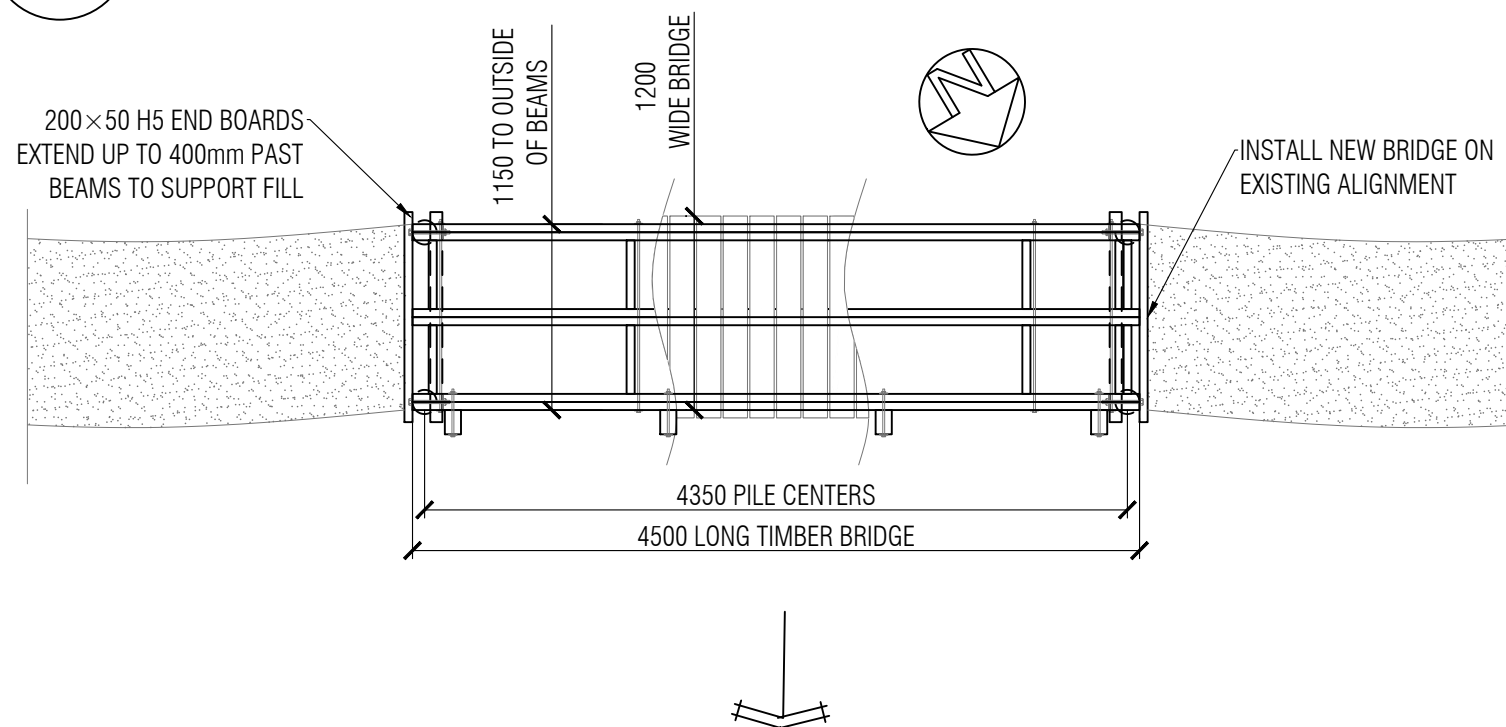
DO NOT SCALE

Rev	Date	Amendment	Drawn

**15 BRIDGE ELEVATION**  
SHT - 1:50 @ A3



**16 BRIDGE PLAN**  
SHT - 1:50 @ A3



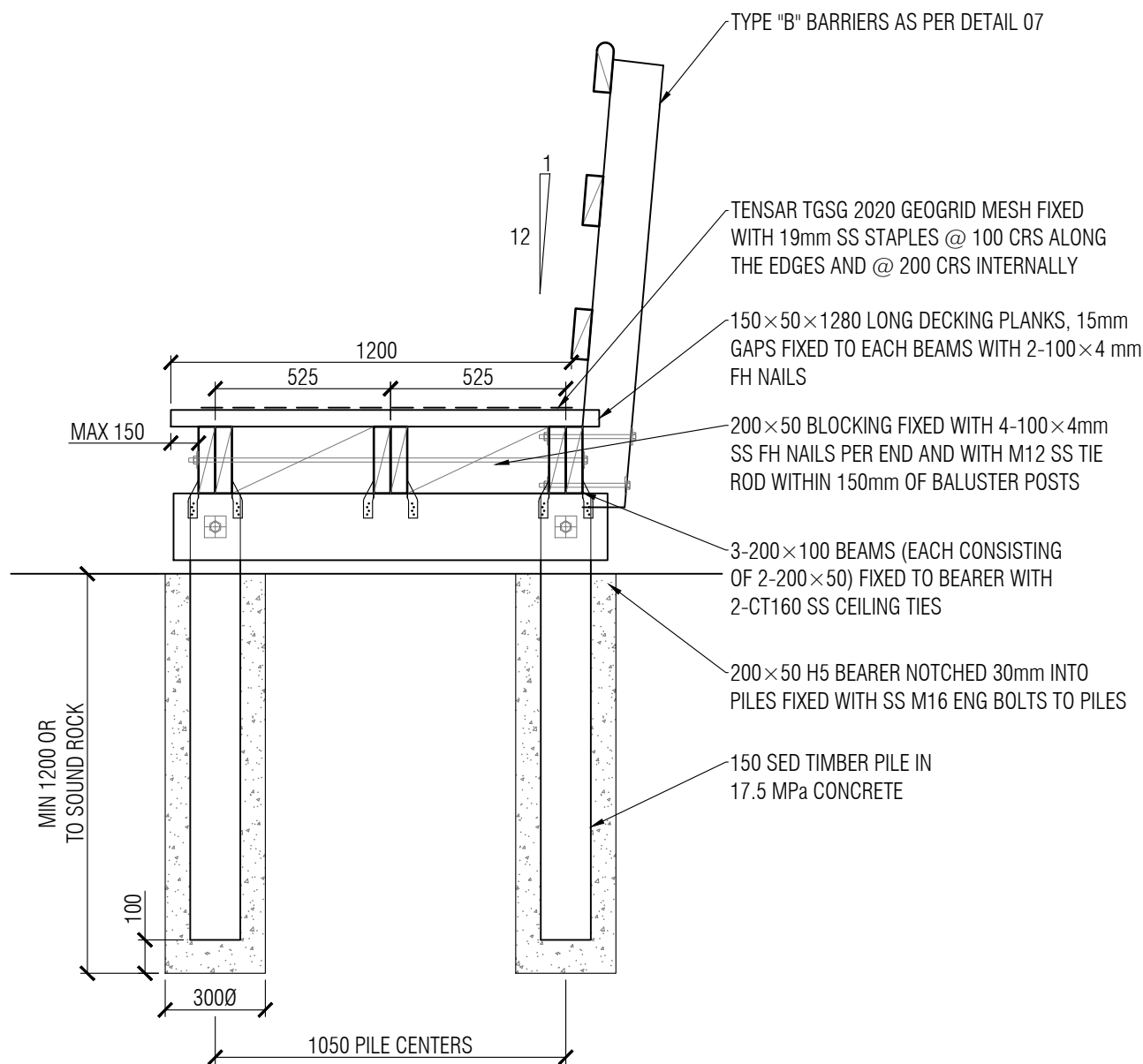
THIS STRUCTURE IS DESIGNED IN ACCORDANCE WITH SNZ HB 8630:2004 "TRACKS AND OUTDOOR VISITOR STRUCTURES"

DESIGN DETAILS	
SITE USER GROUP	DV
BARRIER DESIGN LOAD	0.75 Kn/m
DECK DESIGN LOAD	4.0 kPa
EFFECTIVE FALL HEIGHT	1.5m > x > 3m

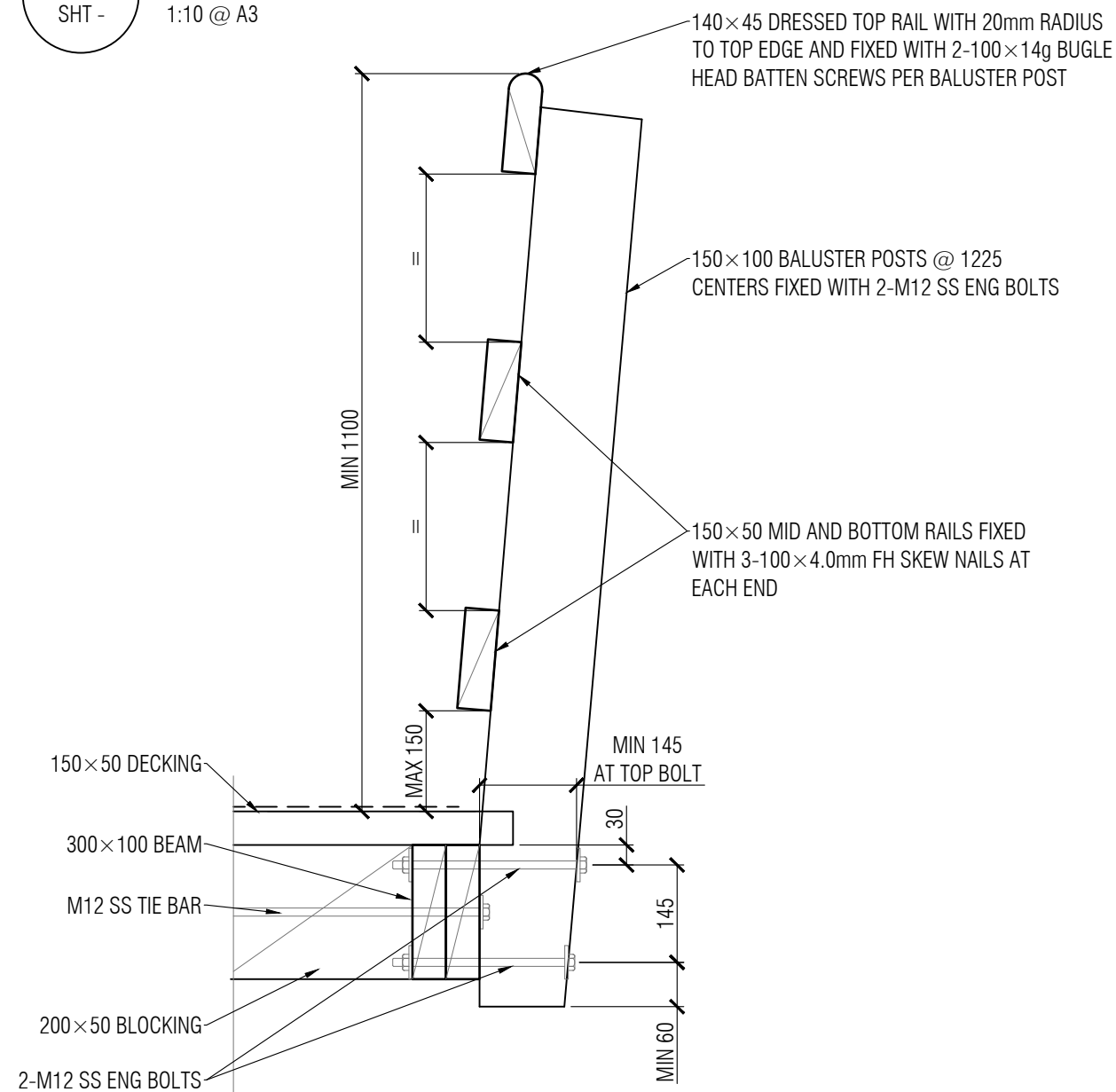
DO NOT SCALE

Rev	Date	Amendment	Drawn

**C** BRIDGE SECTION  
SHT 16 1:20 @ A3



**17** BRIDGE BARRIER DETAILS  
SHT - 1:10 @ A3

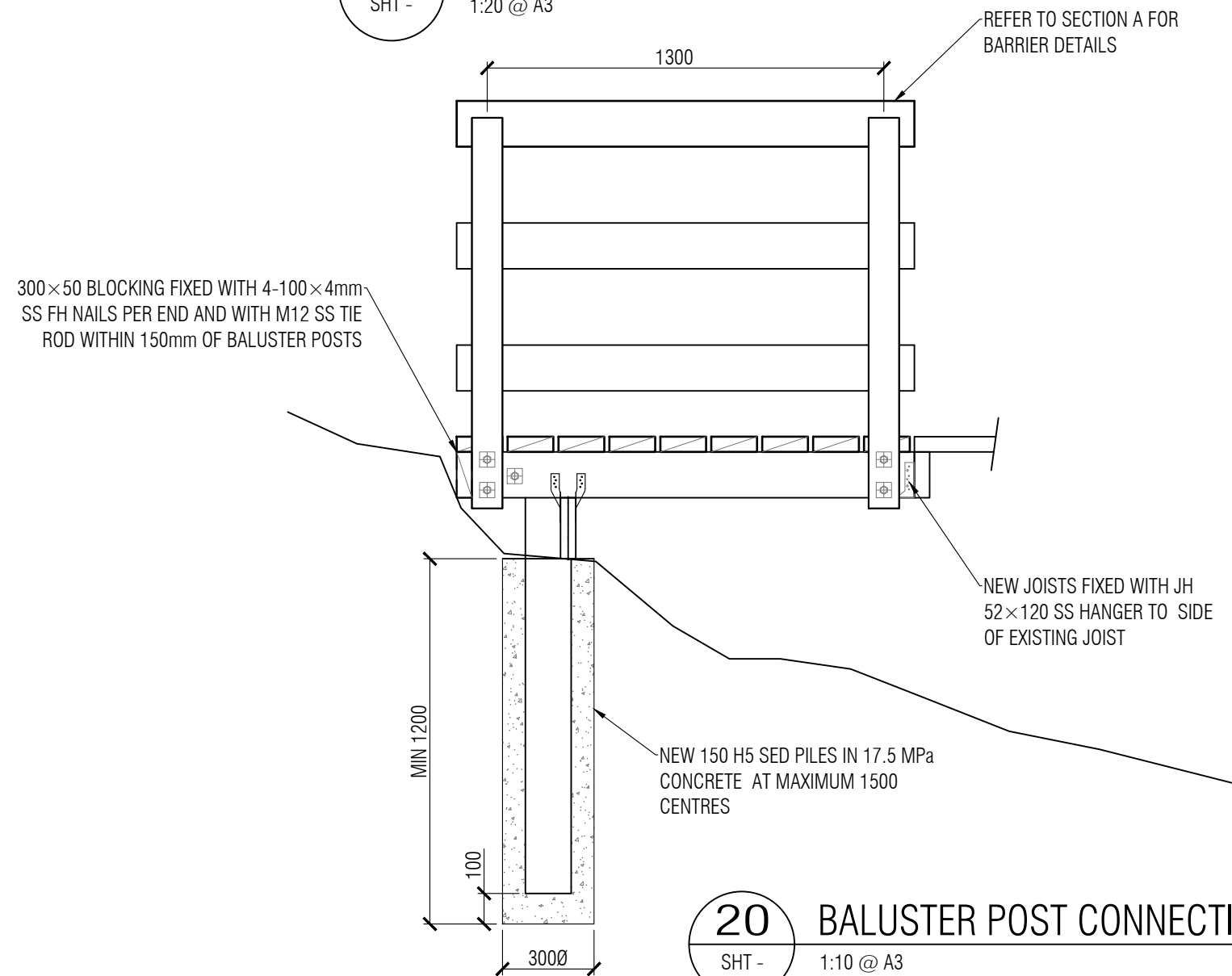


DO NOT SCALE

DO NOT SCALE

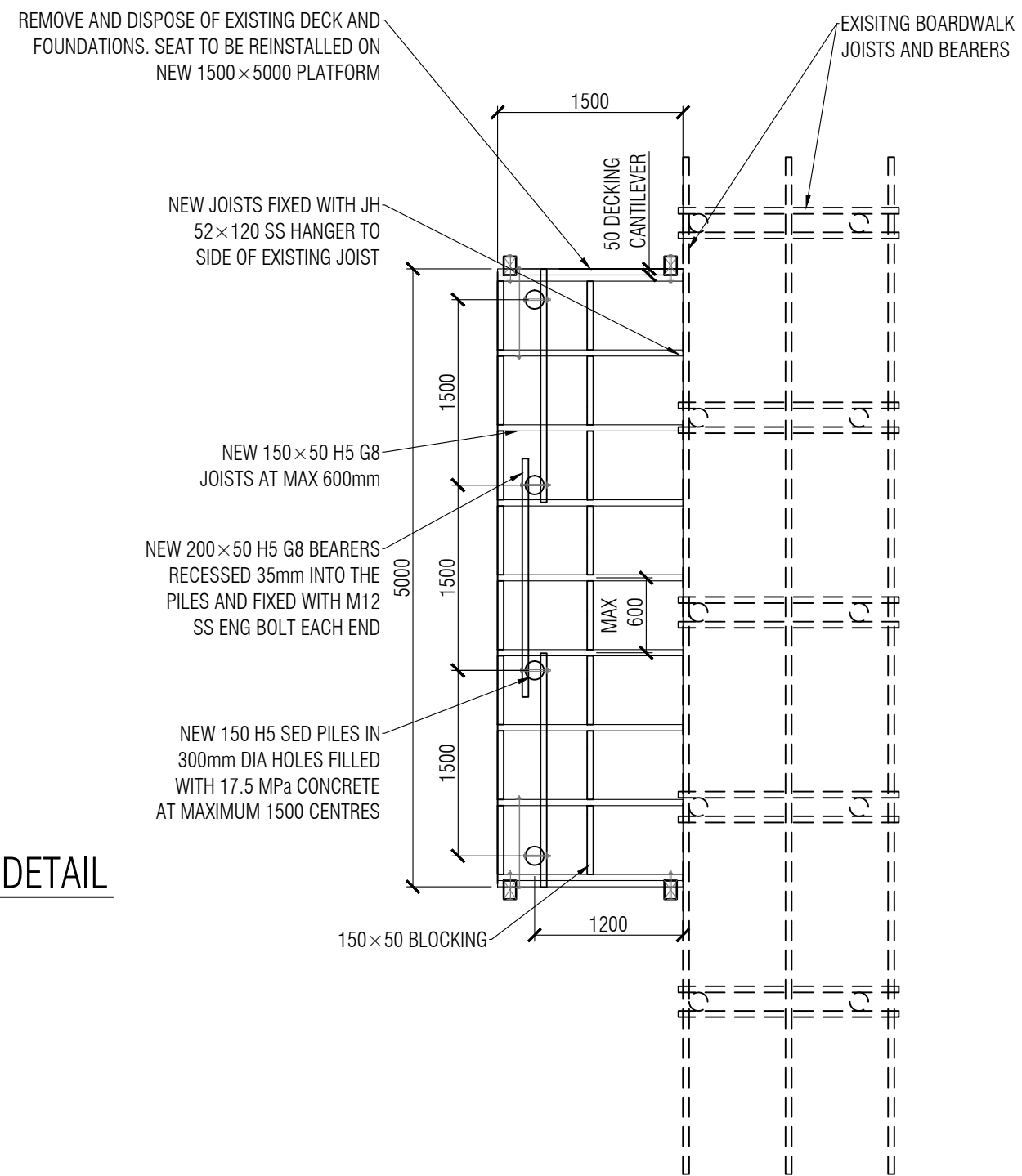
Rev	Date	Amendment	Drawn

**18** PLATFORM ELEVATION  
SHT - 1:20 @ A3

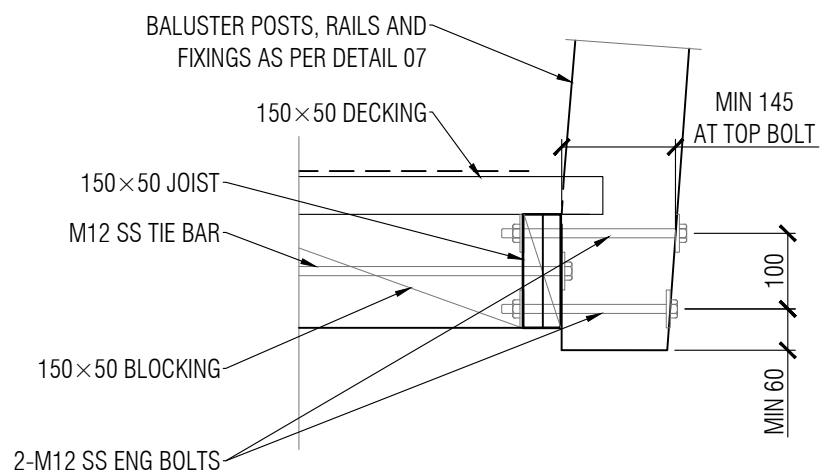


DO NOT SCALE

**19** PLATFORM PLAN  
SHT - 1:50 @ A3



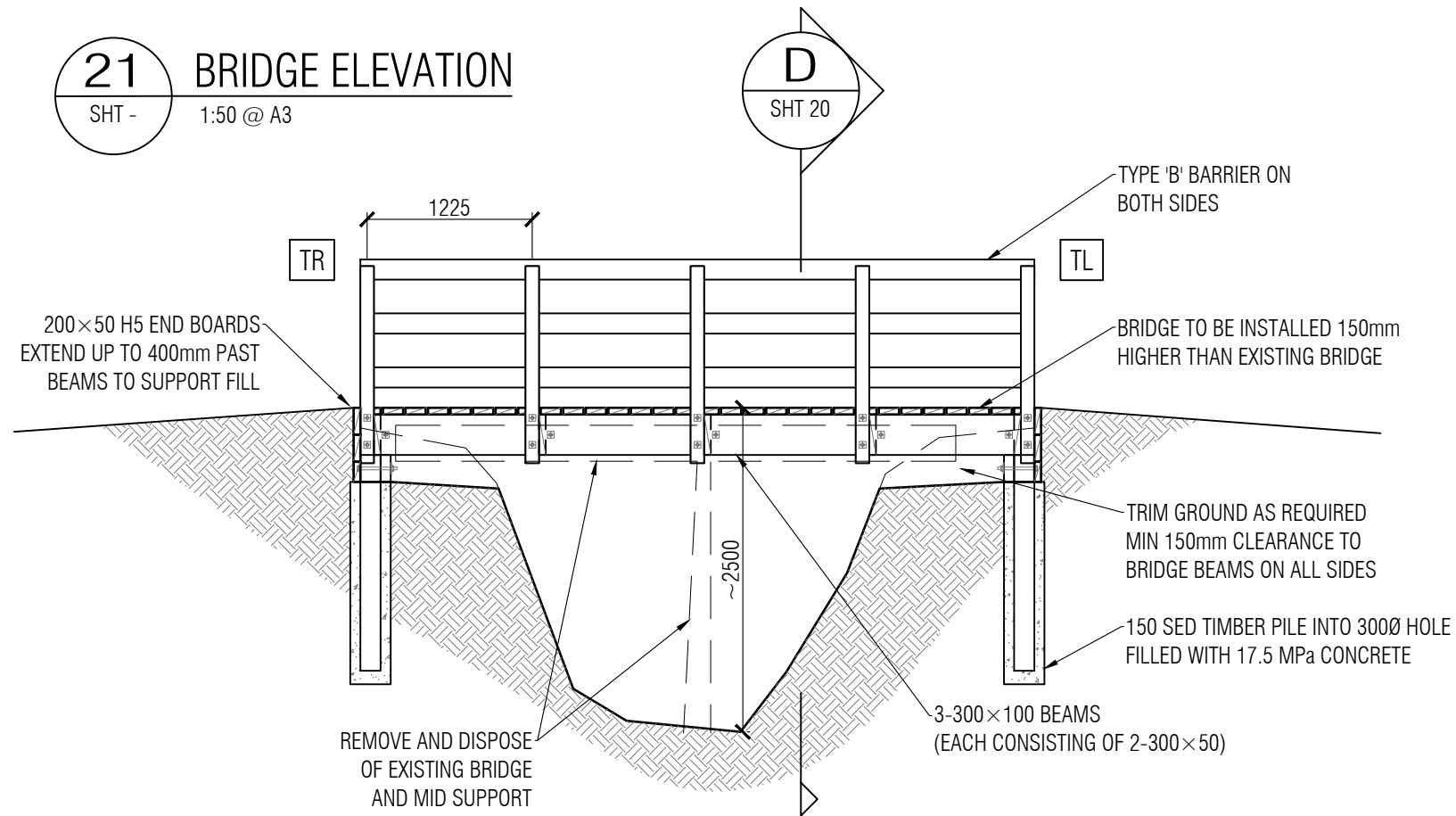
**20** BALUSTER POST CONNECTION DETAIL  
SHT - 1:10 @ A3



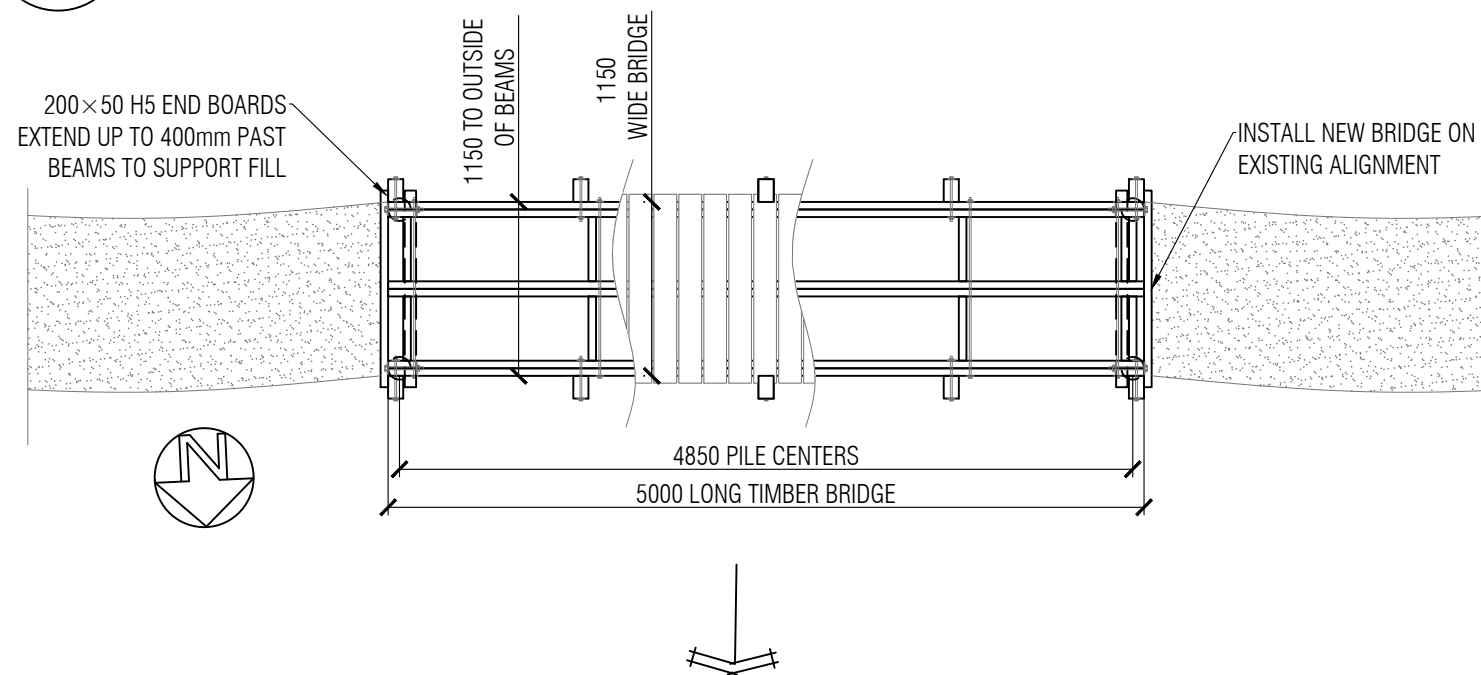
DO NOT SCALE

Rev	Date	Amendment	Drawn

**21** BRIDGE ELEVATION  
SHT - 1:50 @ A3



**22** BRIDGE PLAN  
SHT - 1:50 @ A3



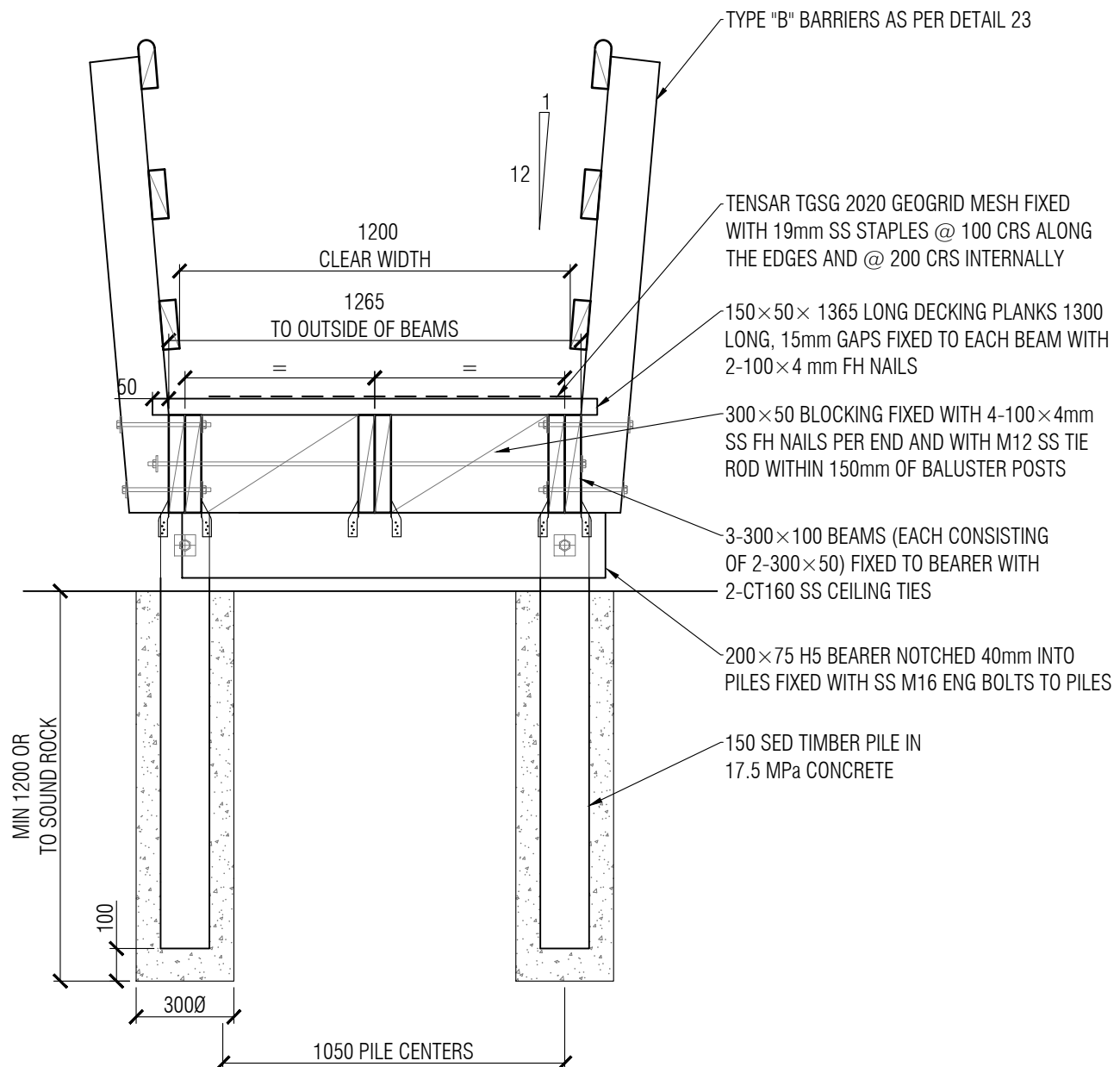
THIS STRUCTURE IS DESIGNED IN ACCORDANCE WITH SNZ HB 8630:2004 "TRACKS AND OUTDOOR VISITOR STRUCTURES"

DESIGN DETAILS	
SITE USER GROUP	DV
BARRIER DESIGN LOAD	0.75 Kn/m
DECK DESIGN LOAD	4.0 kPa
EFFECTIVE FALL HEIGHT	1.5m > x > 3m

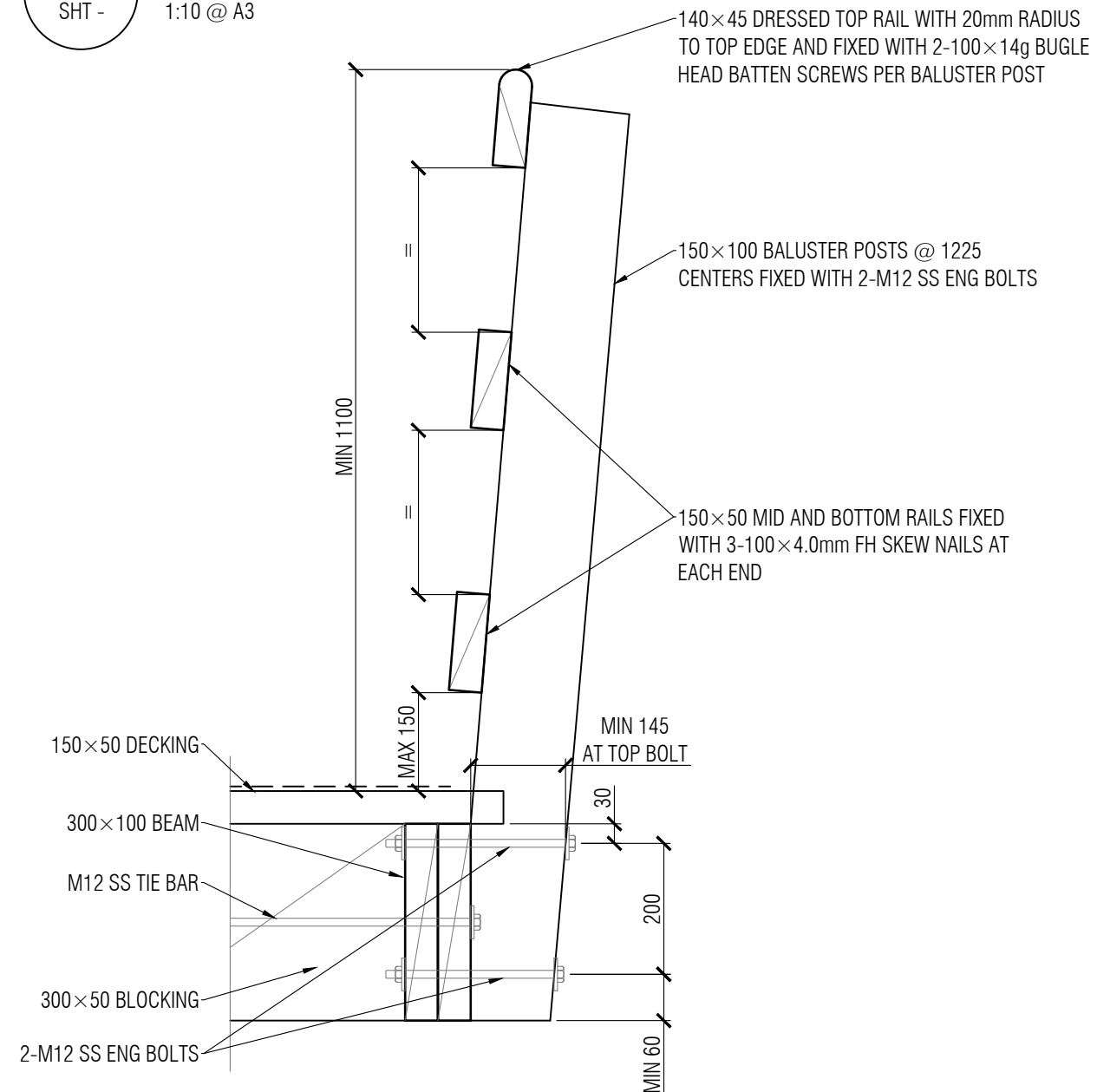
DO NOT SCALE

Rev	Date	Amendment	Drawn

**D** BRIDGE SECTION  
SHT 19 1:20 @ A3



**23** BRIDGE BARRIER DETAILS  
SHT - 1:10 @ A3



DO NOT SCALE

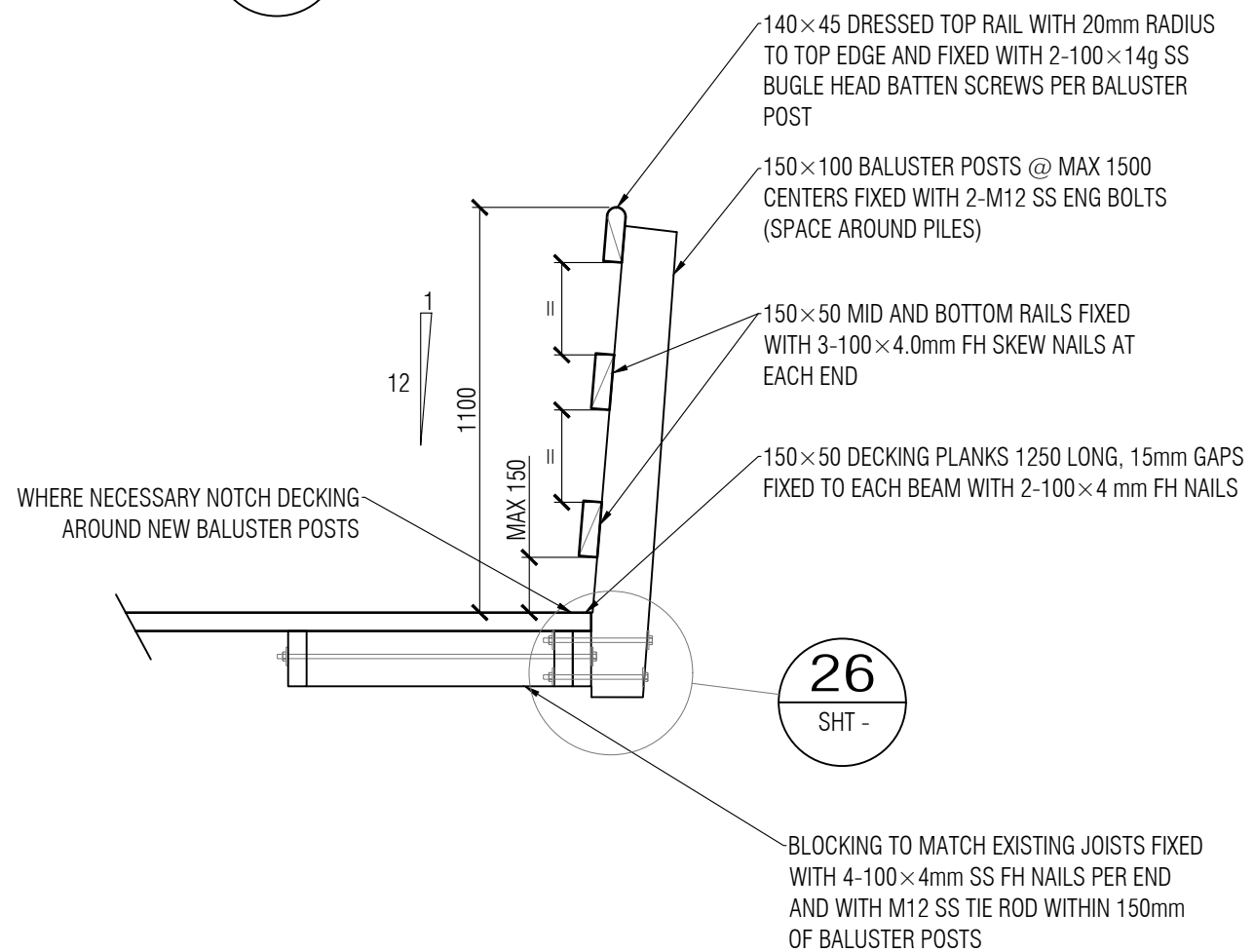
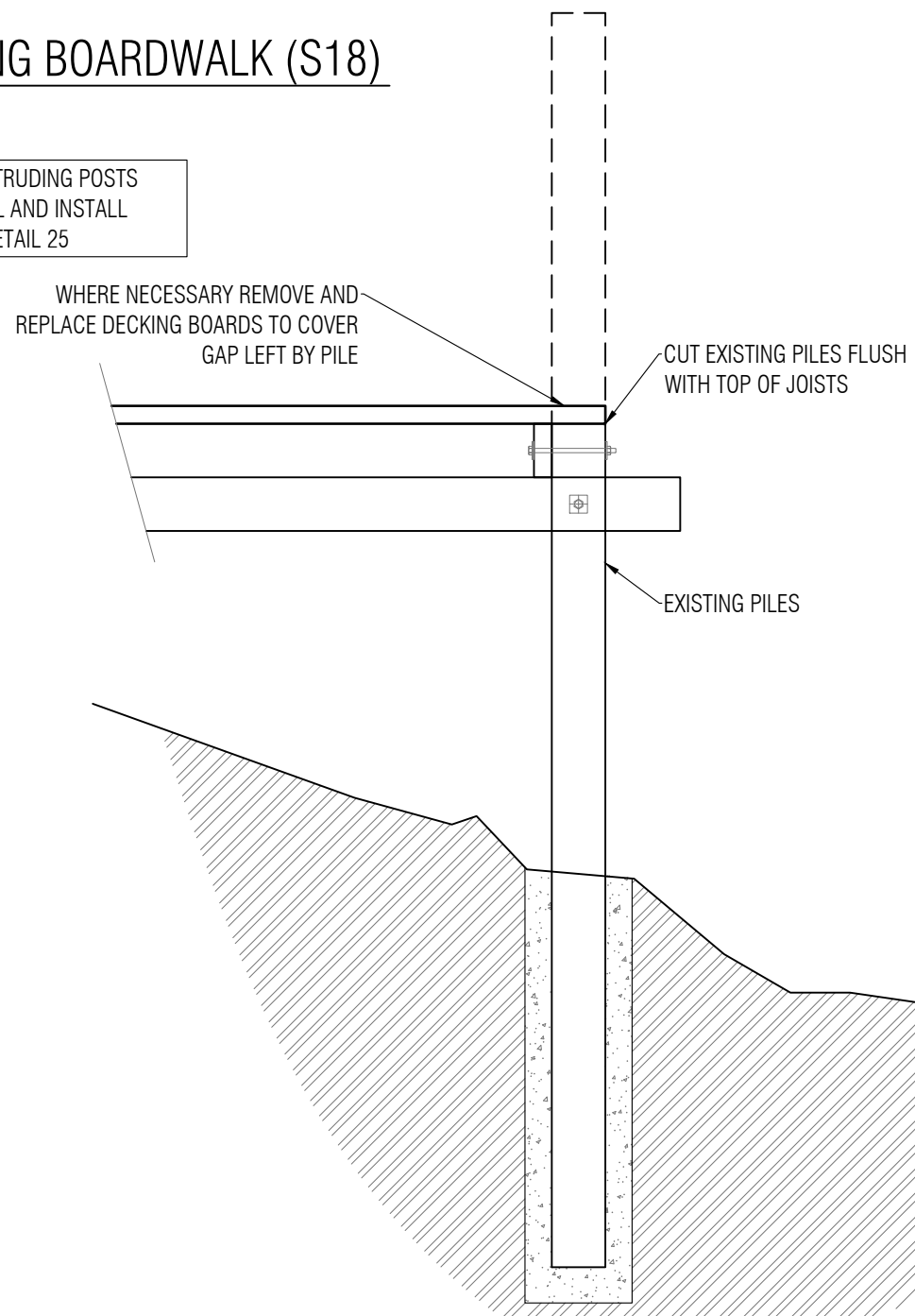
DO NOT SCALE

Rev	Date	Amendment	Drawn

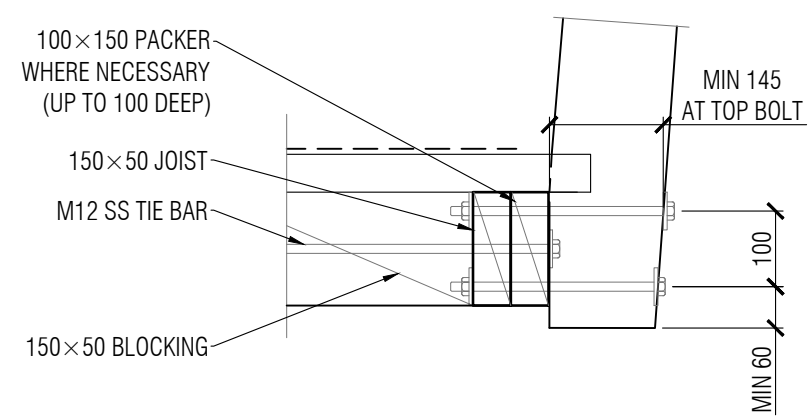
**25** BOARDWALK BARRIER (S18)  
SHT - 1:20 @ A3

**24** EXISTING BOARDWALK (S18)  
SHT - 1:20 @ A3

CUT EXISTING PROTRUDING POSTS BELOW DECK LEVEL AND INSTALL BARRIER AS PER DETAIL 25



**26** BALUSTER POST CONNECTION DETAIL  
SHT - 1:10 @ A3



DO NOT SCALE

THIS STRUCTURE IS DESIGNED IN ACCORDANCE WITH SNZ HB 8630:2004 "TRACKS AND OUTDOOR VISITOR STRUCTURES"

DESIGN DETAILS	
SITE USER GROUP	DV
BARRIER DESIGN LOAD	0.75 Kn/m
EFFECTIVE FALL HEIGHT	1.5m > x > 3m



PROJECT: PAIHIA TO OPUA COASTAL WALKWAY STAGE 2

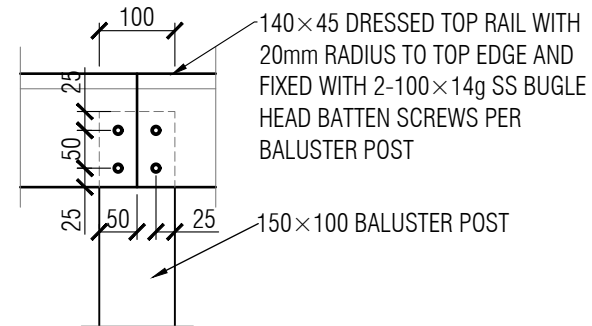
TITLE: BARRIER REPLACEMENT (E-S18) DETAILS

SCALE	AS SHOWN	DATE	SEPT 2022
DRAWN	SLM	DESIGNED	FGL JOB 21/034/02
APPROVED		REV	DRAWING SHT 21

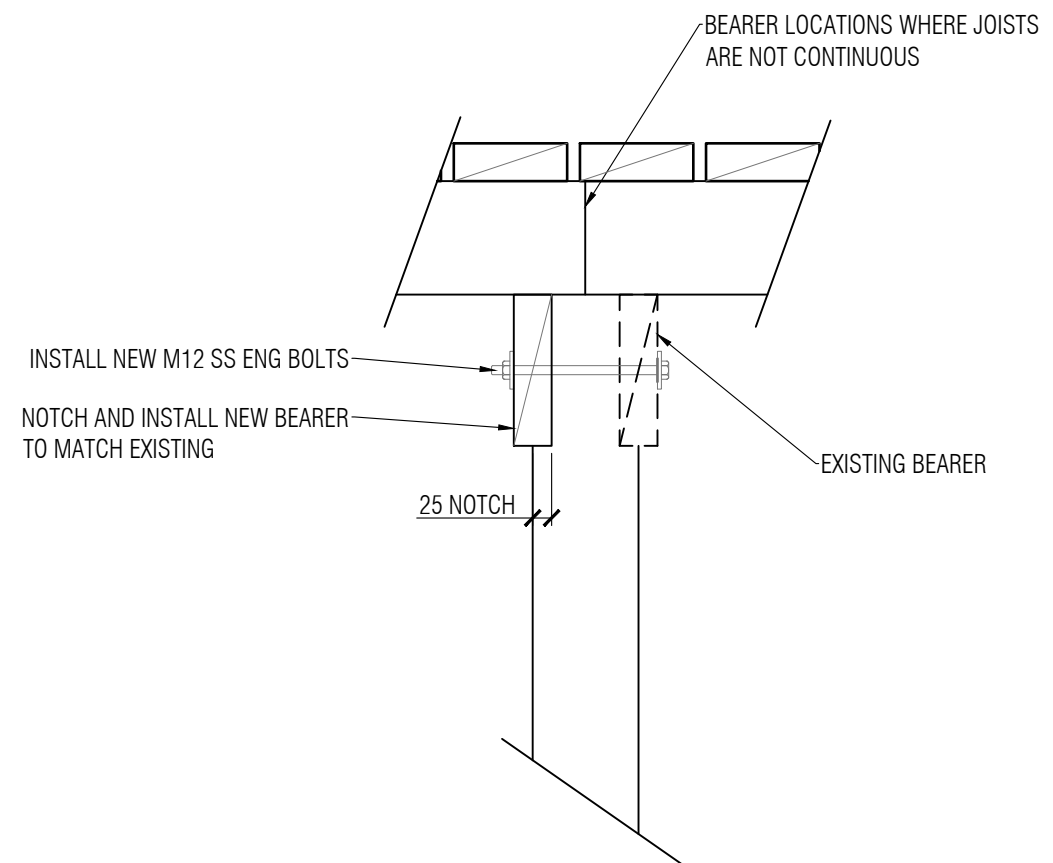


Rev	Date	Amendment	Drawn

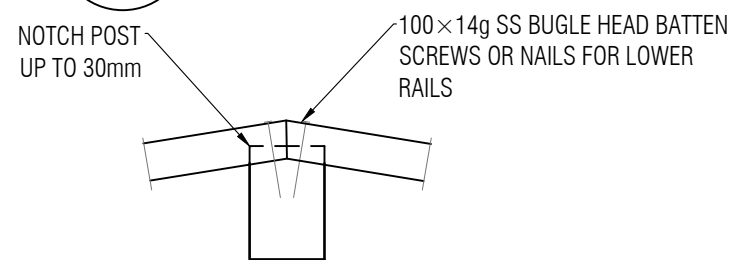
**27** TOP RAIL SPLICE ELEVATION  
SHT - 1:10 @ A3



**28** ADDITIONAL BEARER DETAIL  
SHT - 1:10 @ A3



**29** HANDRAIL PLAN  
SHT - 1:10 @ A3



DO NOT SCALE