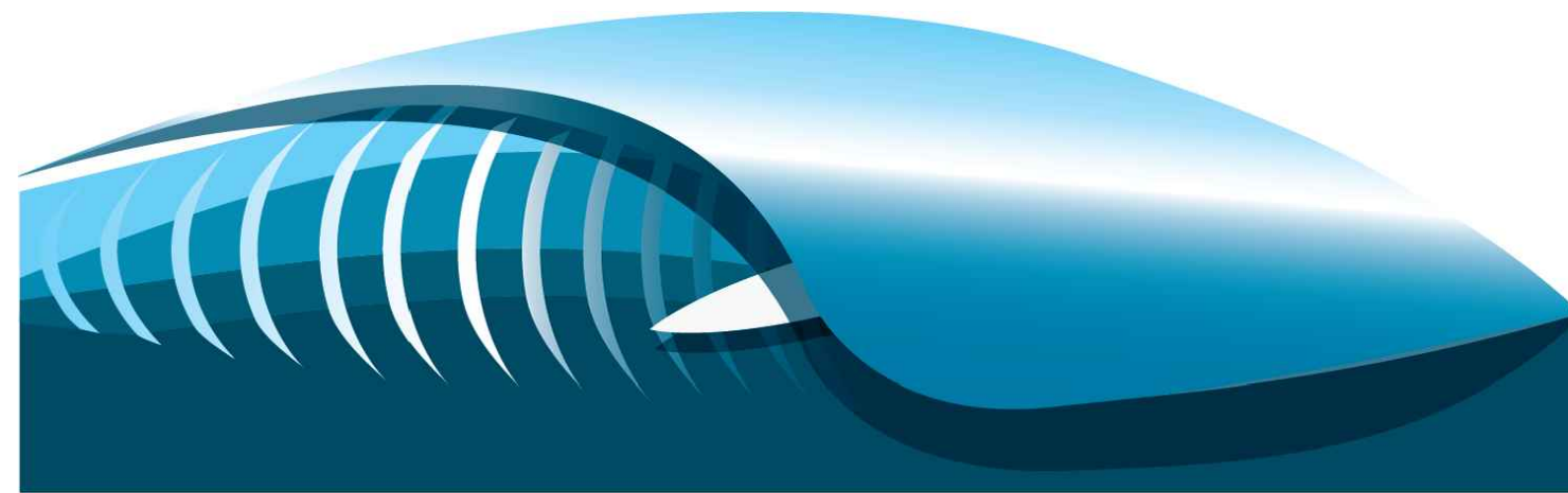
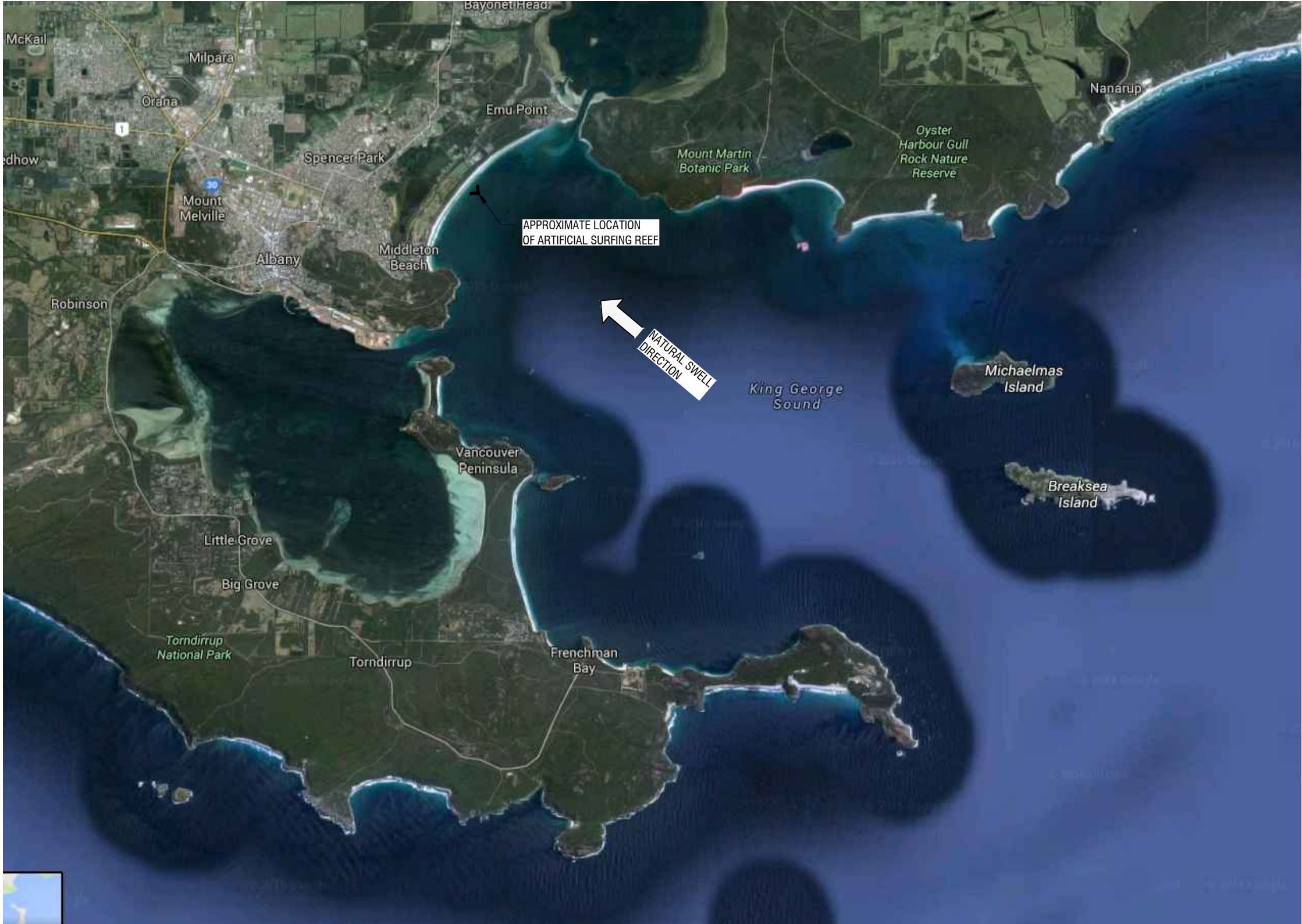


Proposed Artificial Surf Reef Middleton Beach, Albany, Western Australia



WAVEMASTERS ASR
ARTIFICIAL SURF REEF TECHNOLOGY

Contact: Shane Abel
Email: shane.abel@canopy01.com
Phone: 0427 564 235



LOCATION PLAN
NOT TO SCALE

CLIENT:

CITY OF ALBANY

01020304050mm


PRINT REDUCTION BAR | A3 SHEET

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CONTACT: Shane Abel

PHONE: 0427 564 235

ADDRESS: Sandy Bay
TASMANIA



Rev.	AMENDMENT DESCRIPTION	DATE
A	PRELIM ISSUE FOR REVIEW	12-05-2016
B	ISSUE FOR REVIEW	19-05-2016
C	MINOR UPDATE FOR REVIEW	04-03-2020

PROPOSED ARTIFICIAL SURF BREAK
MIDDLETON BEACH, ALBANY, WESTERN AUSTRALIA
LARGER AREA PLAN

SCALE NOT TO SCALE

DRAWN ALLAN WISE

DRAWING NUMBER:

REVISION

C01

C



PROPOSED SITE PLAN
APPROXIMATE SCALE 1:20000

CLIENT:

CITY OF ALBANY

01020304050mm


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PROPOSED ARTIFICIAL SURF BREAK
MIDDLETON BEACH, ALBANY, WESTERN AUSTRALIA
SITE PLAN

SCALE APPROXIMATE 1:20000

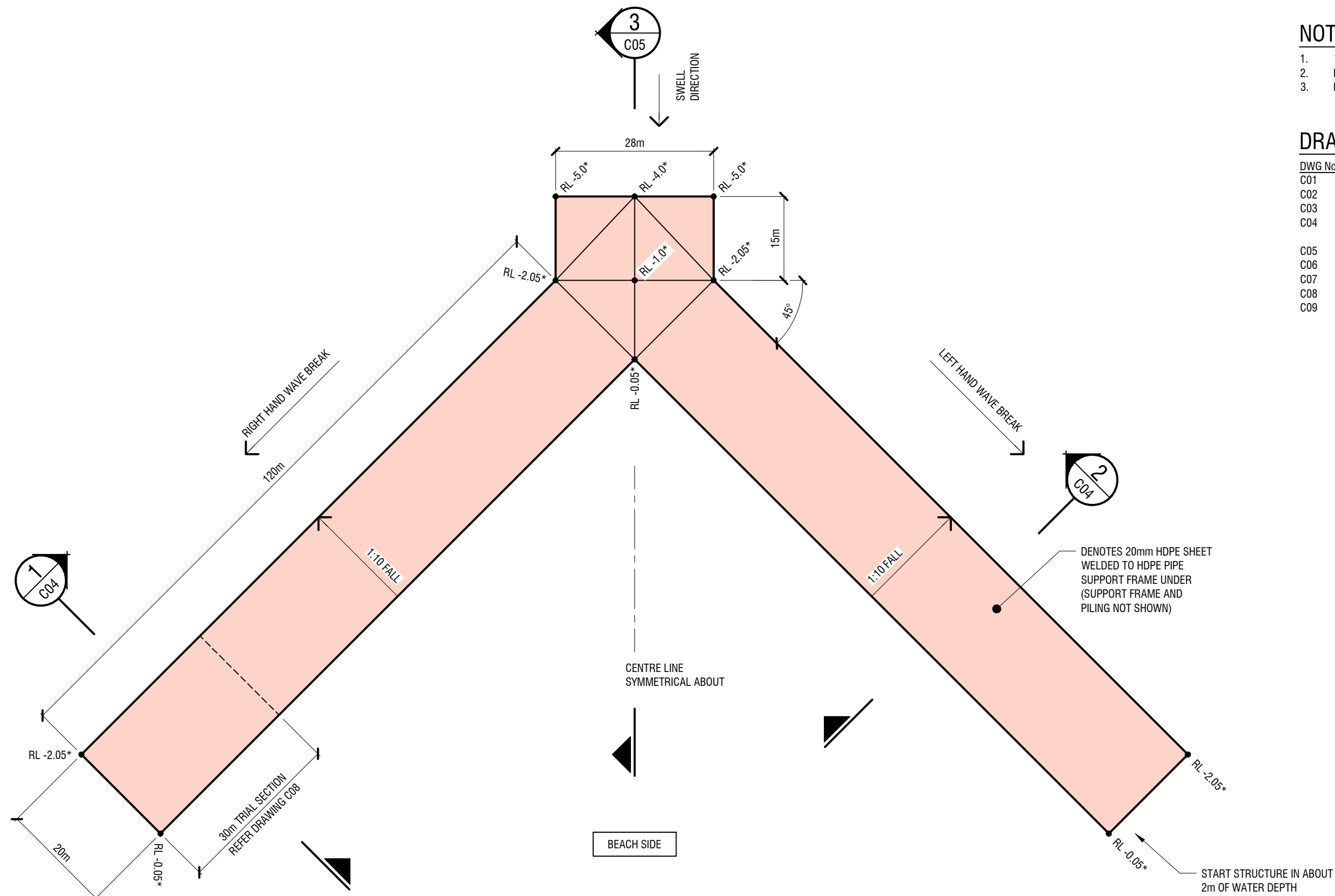
DRAWN ALLAN WISE

DRAWING NUMBER:

C02

REVISION

C



PLAN VIEW OF ARTIFICIAL SURF REEF
SCALE 1:750

NOTES:

- * DATUM 0.00m = LOW WATER LEVEL
- REDUCED LEVELS (RL) SHOWN ARE IN METRES
- REFER TO DRAWING C07 FOR PILING SETOUT PLAN

DRAWING LIST:

DWG No.	DWG DESCRIPTION
C01	LARGER AREA PLAN
C02	SITE PLAN
C03	PLAN OF ARTIFICIAL REEF
C04	CROSS SECTION OF LEFT AND RIGHT HAND WAVE BREAKS
C05	SECTION THRU LEADING EDGE
C06	LOW AND HIGH TIDE WAVE BREAK HEIGHTS
C07	PILING PLAN
C08	TRIAL SECTION PLAN AND DETAILS
C09	FRAME DETAILS

CLIENT:

CITY OF ALBANY

01020304050mm


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CONTACT: Shane Abel

PHONE: 0427 564 235

ADDRESS: Sandy Bay TASMANIA



WAVEMASTERSASR
ARTIFICIAL SURF REEF TECHNOLOGY

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PROPOSED ARTIFICIAL SURF BREAK
MIDDLETON BEACH, ALBANY, WESTERN AUSTRALIA
PLAN OF ARTIFICIAL REEF

SCALE 1:750

DRAWN ALLAN WISE

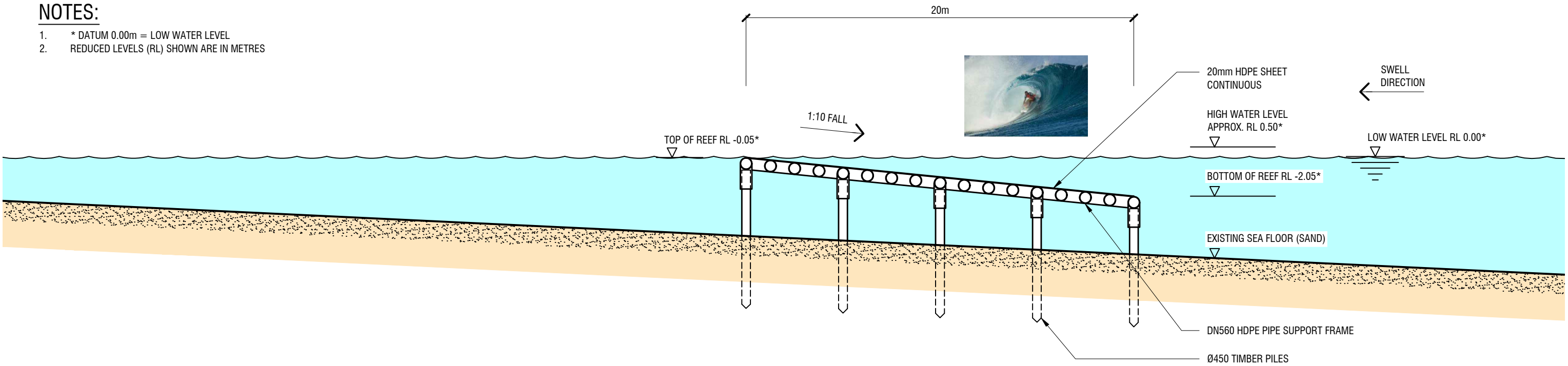
DRAWING NUMBER:

REVISION

C03

C

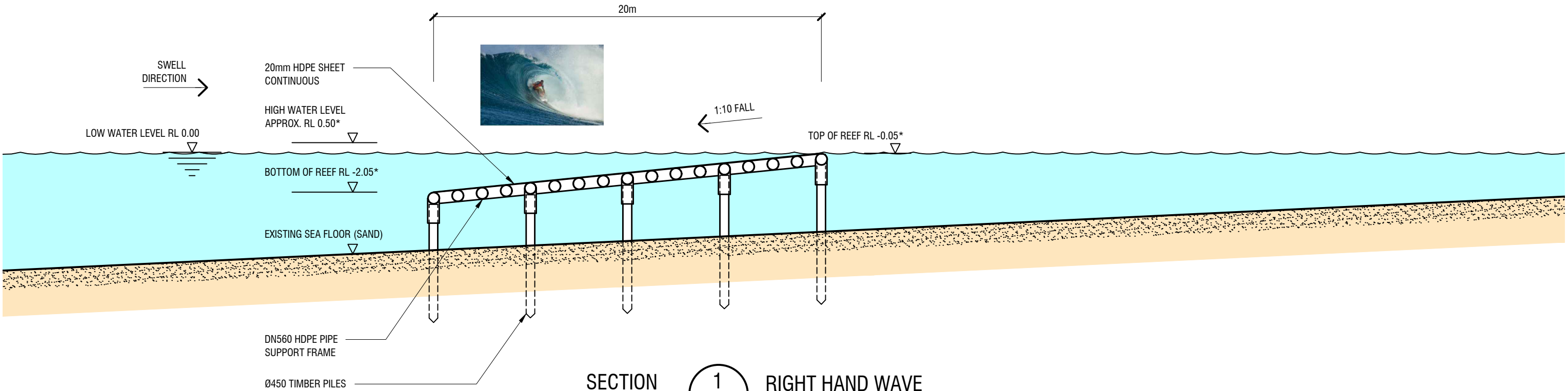
- NOTES:
- 1. * DATUM 0.00m = LOW WATER LEVEL
 - 2. REDUCED LEVELS (RL) SHOWN ARE IN METRES



SECTION 2 LEFT HAND WAVE

SCALE: 1:200



C03



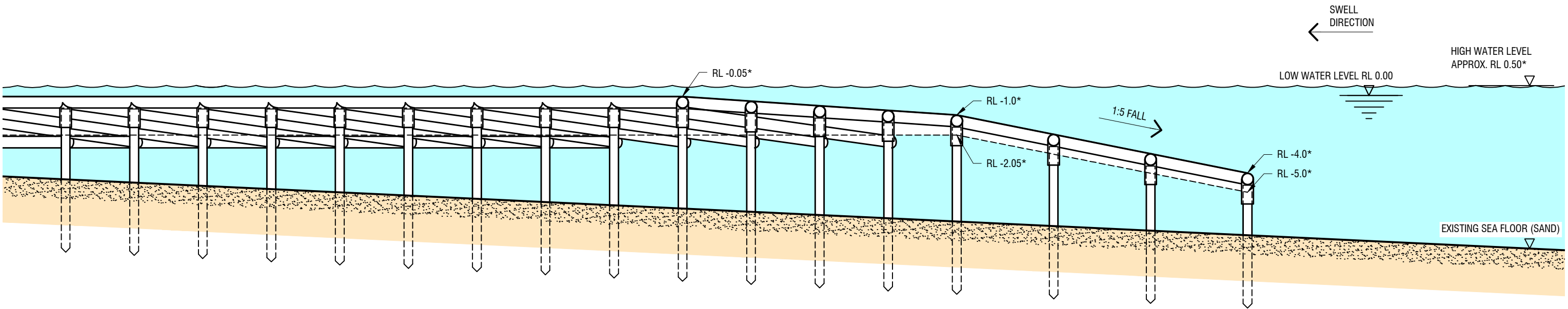
SECTION 1 RIGHT HAND WAVE

SCALE: 1:200

C03

CLIENT:	CITY OF ALBANY	CONTACT: Shane Abel	 WAVEMASTERS ASR ARTIFICIAL SURF REEF TECHNOLOGY	Rev.	AMENDMENT DESCRIPTION	DATE	PROPOSED ARTIFICIAL SURF BREAK MIDDLETON BEACH, ALBANY, WESTERN AUSTRALIA CROSS SECTION OF LEFT AND RIGHT HAND WAVE BREAKS	
 PRINT REDUCTION BAR A3 SHEET		PHONE: 0427 564 235		A	PRELIM ISSUE FOR REVIEW	12-05-2016	SCALE	1:200
		ADDRESS: Sandy Bay TASMANIA		B	ISSUE FOR REVIEW	19-05-2016	DRAWING NUMBER:	
		C		MINOR UPDATE FOR REVIEW	04-03-2020	REVISION		
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- NOTES:
- * DATUM 0.00m = LOW WATER LEVEL
 - REDUCED LEVELS (RL) SHOWN ARE IN METRES



SECTION

SCALE: 1:200

3

C03

CLIENT:

CITY OF ALBANY

0 10 20 30 40 50mm

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CONTACT: Shane Abel

PHONE: 0427 564 235

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PROPOSED ARTIFICIAL SURF BREAK
MIDDLETON BEACH, ALBANY, WESTERN AUSTRALIA
SECTION THRU LEADING EDGE

SCALE 1:200

DRAWN ALLAN WISE

DRAWING NUMBER:

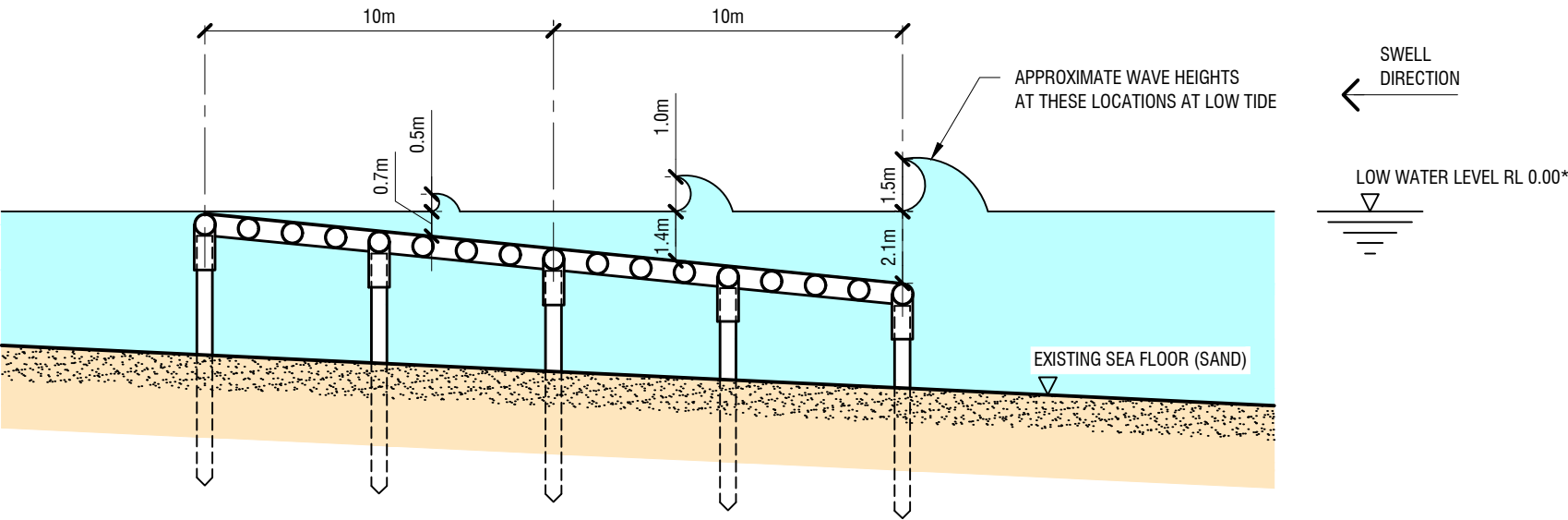
REVISION

C05

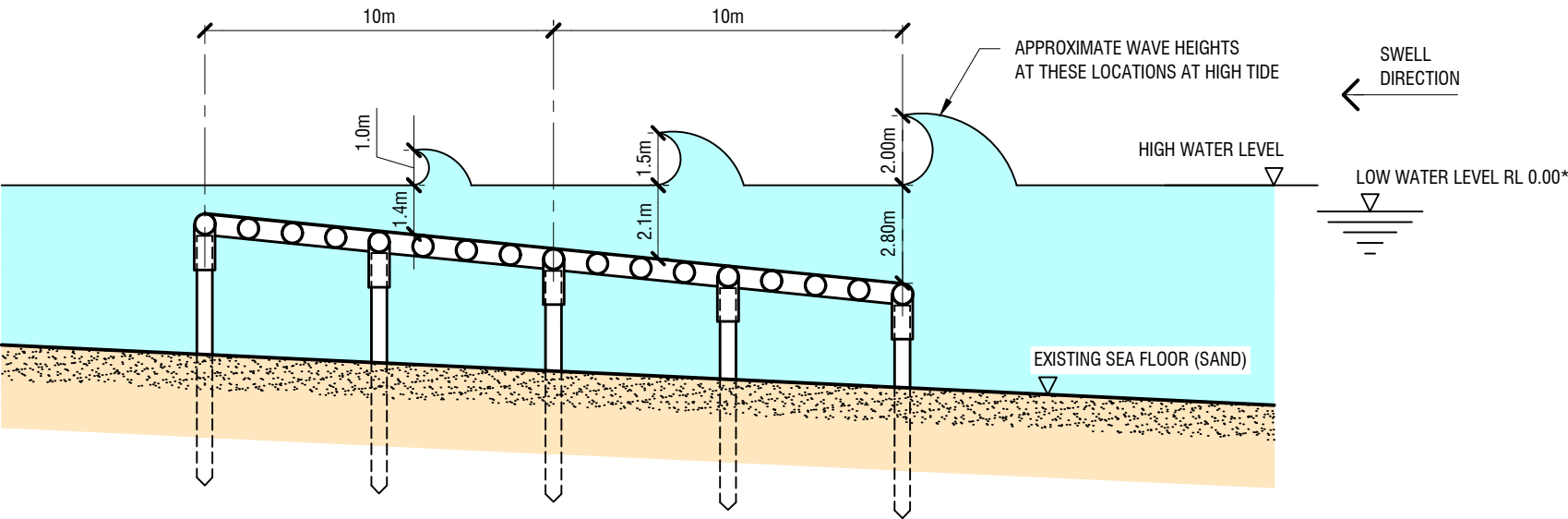
C

NOTES:

1. * DATUM 0.00m = LOW WATER LEVEL
2. REDUCED LEVELS (RL) SHOWN ARE IN METRES
3. WAVE BREAK FORMULA: 1.4 x WAVE HEIGHT DEPTH
OR 1m WAVE BREAKS IN 1.4m WATER DEPTH



LOW TIDE WAVE BREAKS
SCALE 1:200



HIGH TIDE WAVE BREAKS
SCALE 1:200

CLIENT:

CITY OF ALBANY



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PROPOSED ARTIFICIAL SURF BREAK
MIDDLETON BEACH, ALBANY, WESTERN AUSTRALIA
LOW AND HIDE TIDE WAVE BREAK HEIGHTS

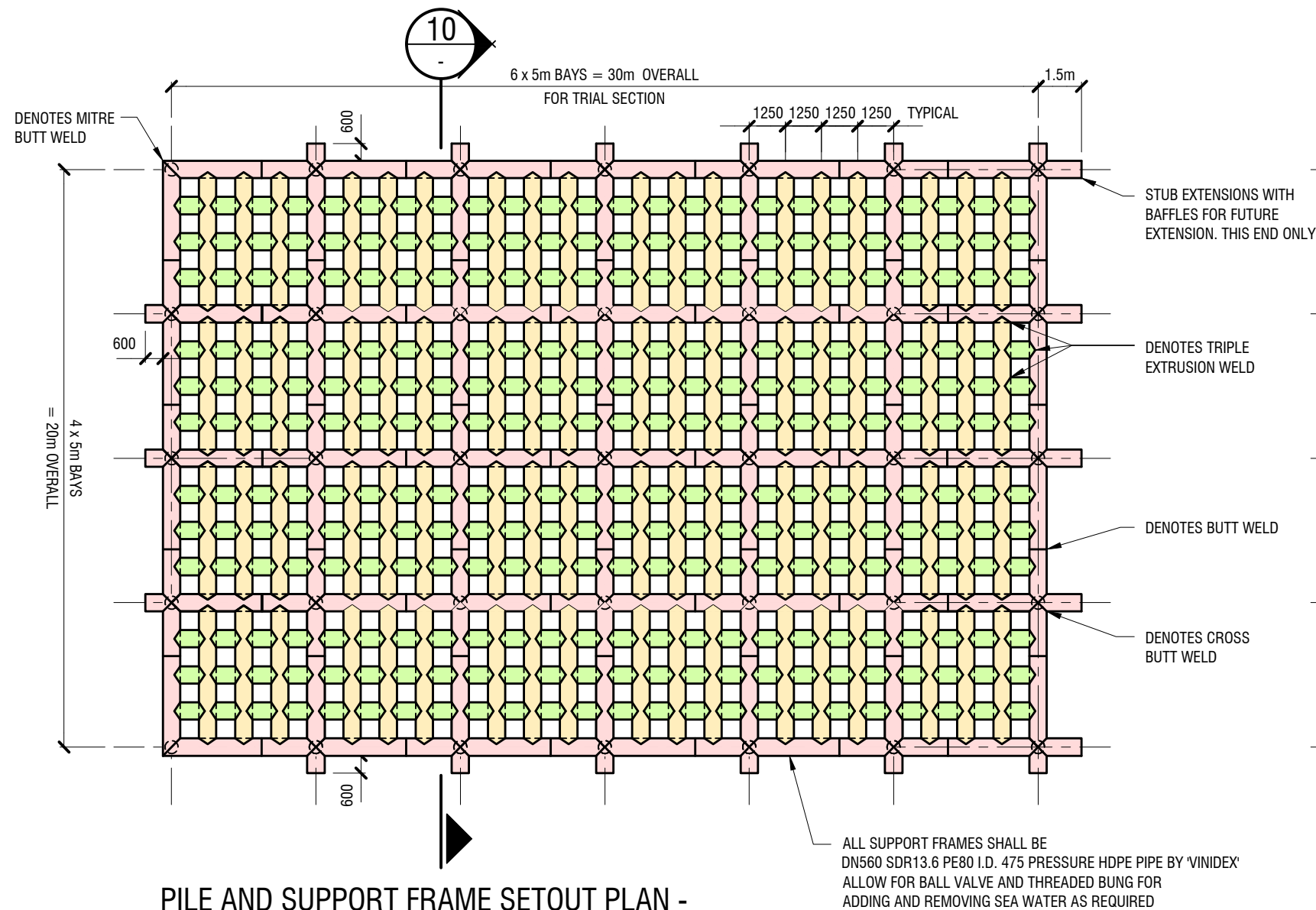
SCALE 1:200
DRAWN ALLAN WISE

DRAWING NUMBER:

C06

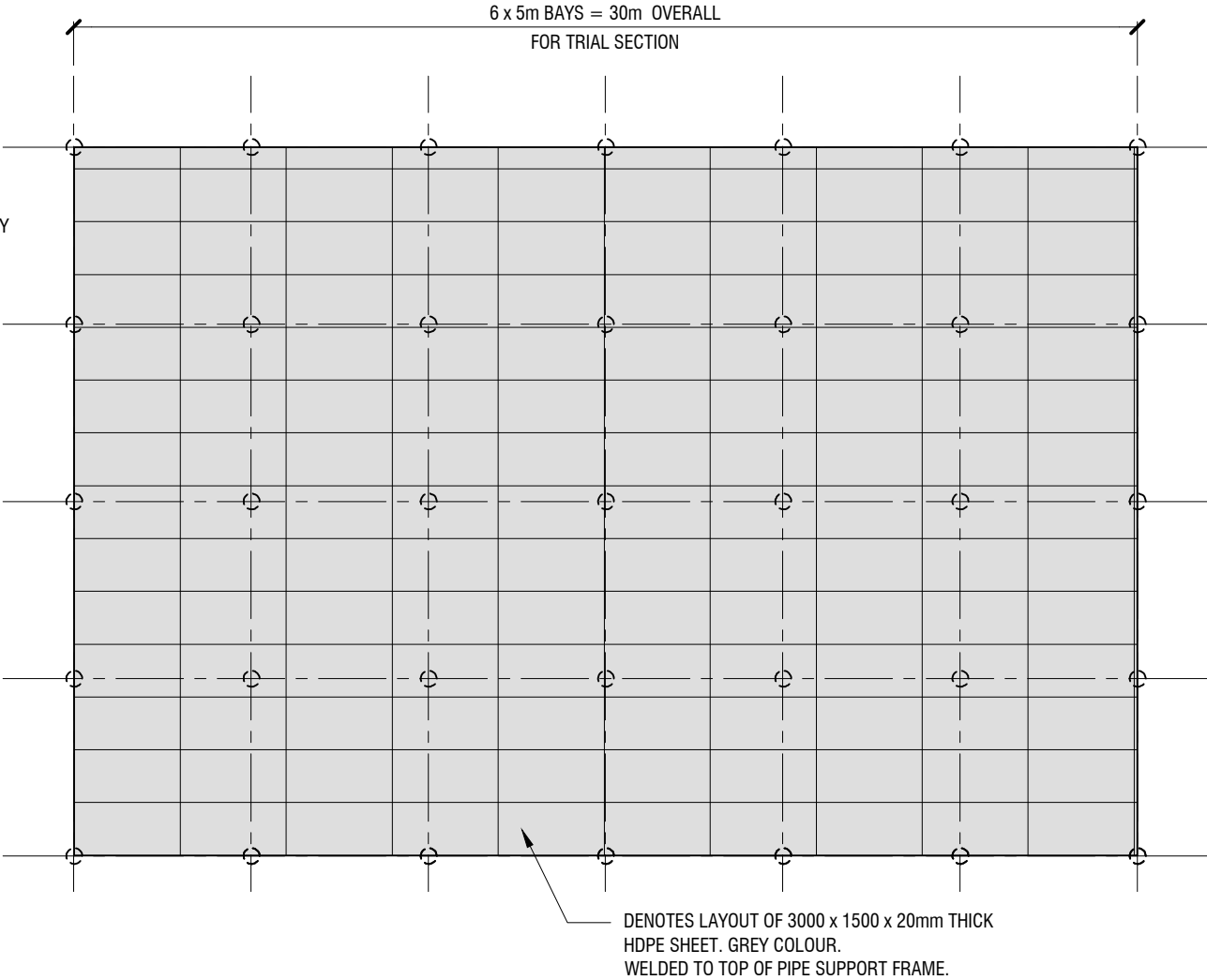
REVISION

B



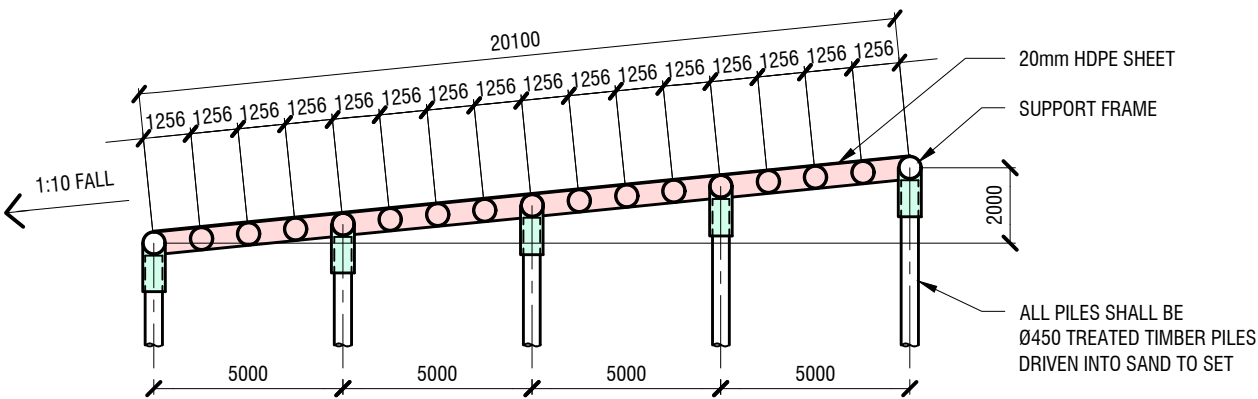
PILE AND SUPPORT FRAME SETOUT PLAN -
FOR TRIAL SECTION

SCALE 1:200 20mm HDPE SHEET FIXED TO TOP OF SUPPORT FRAME NOT SHOWN



20mm HDPE SHEET LAYOUT PLAN -
FOR TRIAL SECTION

SCALE 1:200
SUPPORT FRAME UNDER NOT SHOWN




SECTION

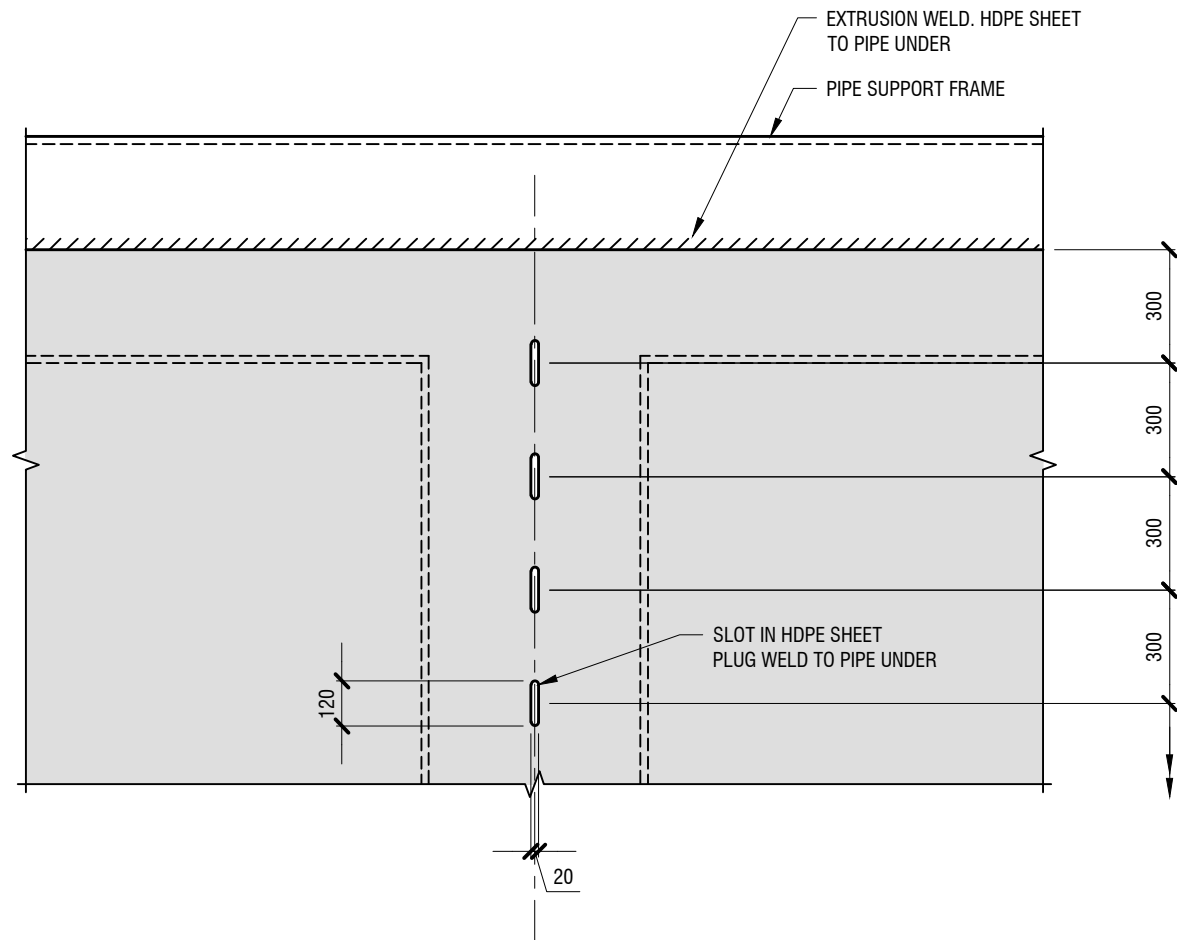
SCALE: 1:200

10

NOTES:

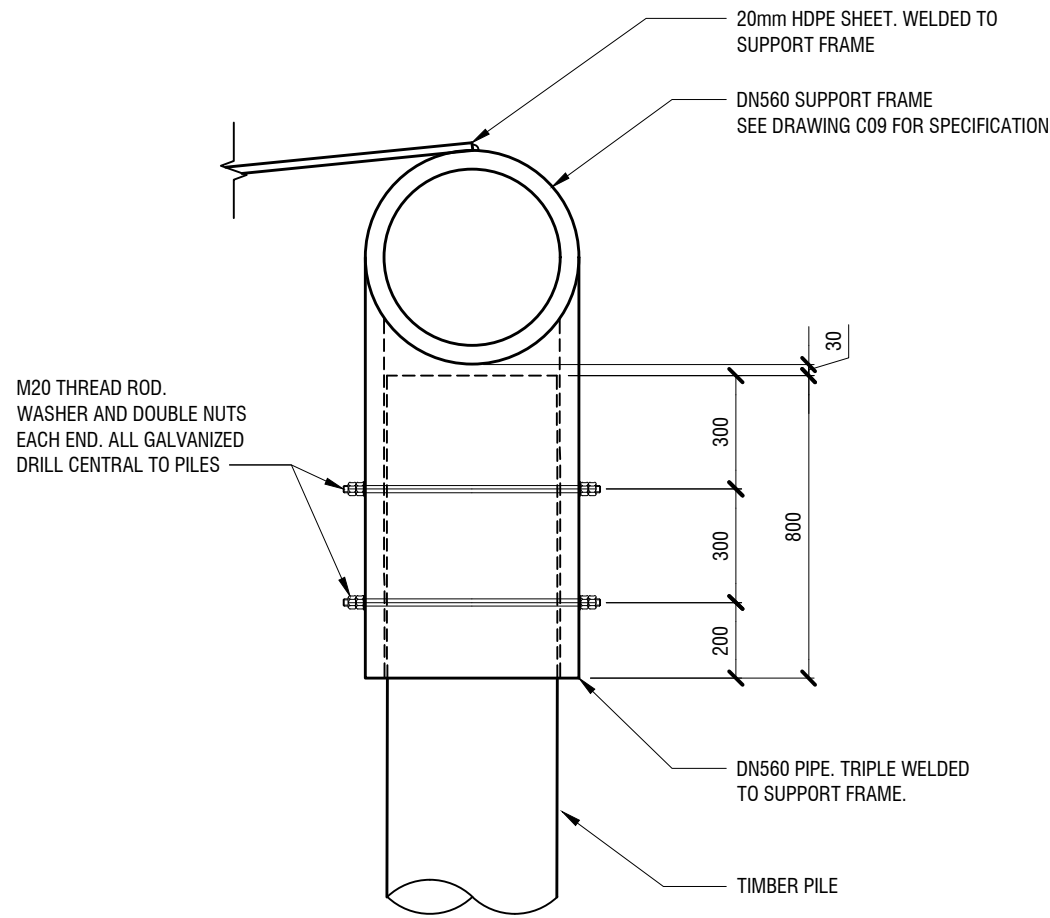
1. REFER TO DRAWING C09 FOR TYPICAL CONNECTION DETAILS

CLIENT: CITY OF ALBANY		CONTACT: Shane Abel		Rev.	AMENDMENT DESCRIPTION	DATE	PROPOSED ARTIFICIAL SURF BREAK MIDDLETON BEACH, ALBANY, WESTERN AUSTRALIA TRIAL SECTION PLAN AND DETAILS	
0 10 20 30 40 50mm PRINT REDUCTION BAR A3 SHEET		PHONE: 0427 564 235		A	ISSUE FOR REVIEW	19-05-2016		
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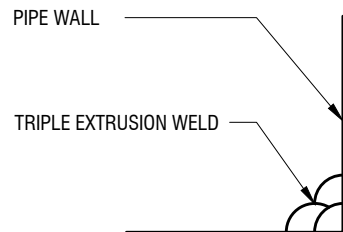
TYPICAL HDPE SHEET TO SUPPORT FRAME CONNECTION - PLAN VIEW

SCALE 1:20
THIS WELD PATTERN REPEATS OVER ENTIRE FRAME





TYPICAL PILE TO SUPPORT FRAME CONNECTION DETAIL

SCALE 1:20



TYPICAL TRIPLE WELD DETAIL

NOT TO SCALE

CLIENT: <div>CITY OF ALBANY</div>	CONTACT: Shane Abel PHONE: 0427 564 235 ADDRESS: Sandy Bay TASMANIA		Rev.	AMENDMENT DESCRIPTION	DATE	PROPOSED ARTIFICIAL SURF BREAK MIDDLETON BEACH, ALBANY, WESTERN AUSTRALIA FRAME DETAILS	
			A	ISSUE FOR REVIEW	19-05-2016		
 PRINT REDUCTION BAR A3 SHEET	ALL RIGHTS RESERVED & SUBJECT TO GLOBAL PATENT. WAVEMASTERS ASR PTY LTD. NO REPRODUCTION UNLESS WRITTEN CONSENT GIVEN		B	MINOR UPDATE FOR REVIEW	04-03-2020	SCALE 1:20 DRAWN ALLAN WISE	
						DRAWING NUMBER:	
						REVISION	
						<div>C09</div> <div>B</div>	