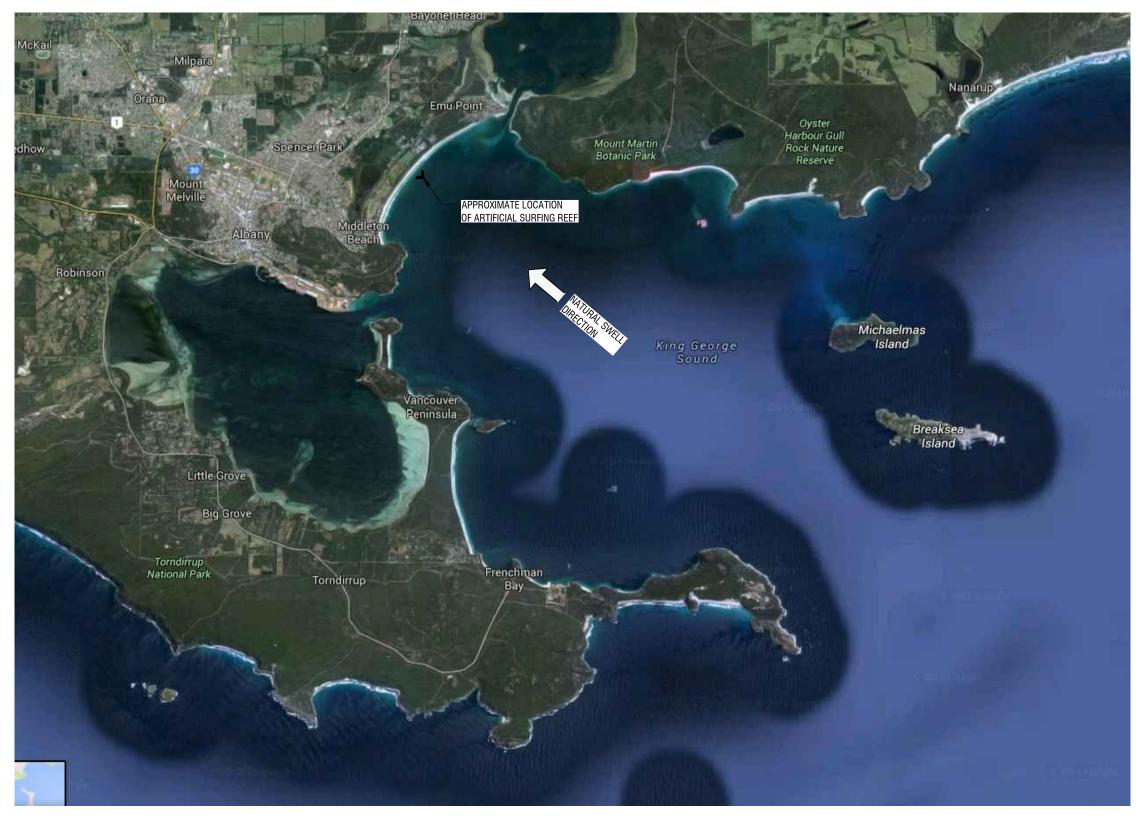
Proposed Artificial Surf Reef Middleton Beach, Albany, Western Australia



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



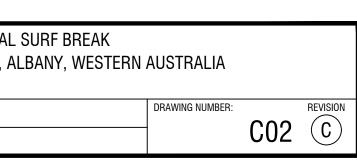
LOCATION PLAN

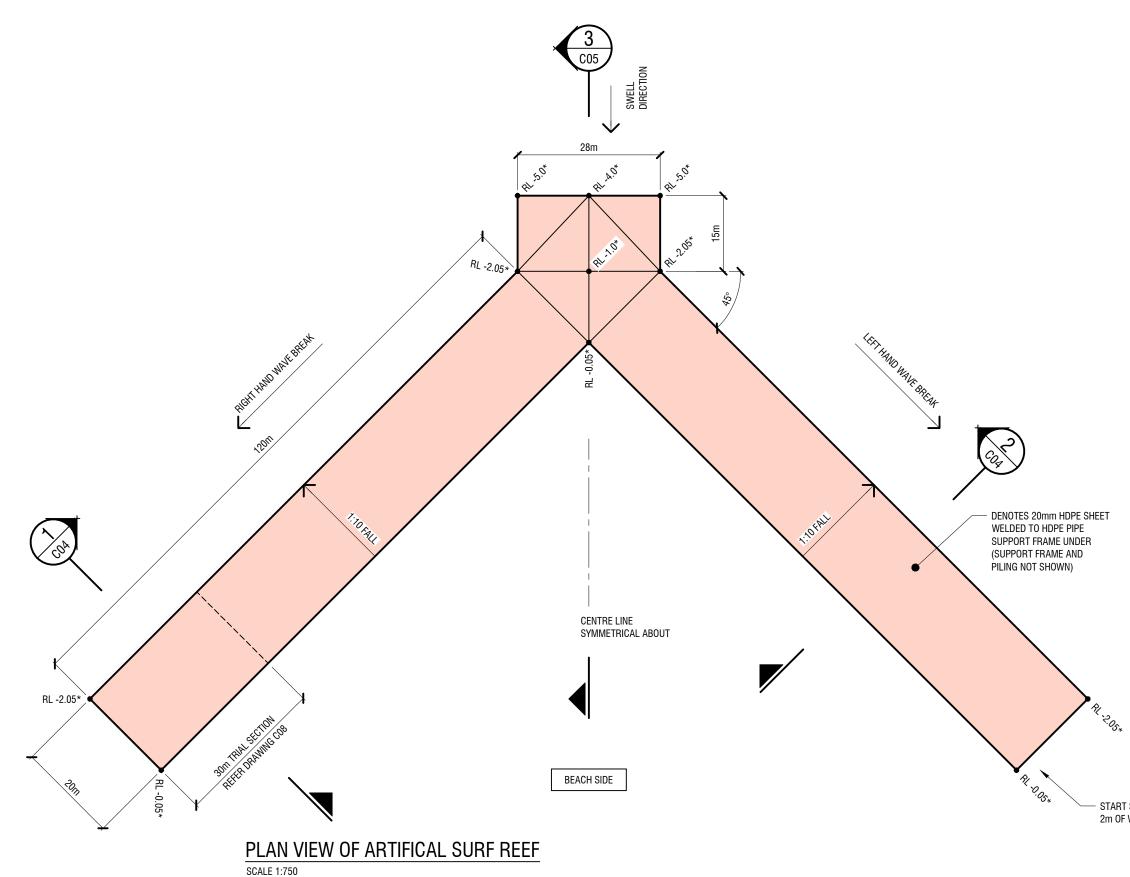
NOT TO SCALE									
CLIENT:			Rev.	AMENDMENT DESCRIPTION	DATE	PROPOSED ARTIFICAL SURF BREAK			
CITY OF ALBANY	CONTACT: Shane Abel		Α	PRELIM ISSUE FOR REVIEW	12-05-2016				
			В	ISSUE FOR REVIEW	19-05-2016	MIDDLETON BEACH, ALBANY, WESTERN	AUSTRALIA		
0 10 20 30 40 50mm	PHONE: 0427 564 235		С	MINOR UPDATE FOR REVIEW	04-03-2020	LARGER AREA PLAN			
PRINT REDUCTION BAR A3 SHEET	ADDRESS: Sandy Bay TASMANIA					SCALE NOT TO SCALE	DRAWING NUMBER:		REVISION
ALL RIGHTS RESERVED & SUBJECT TO GLOBAL PATENT. WAVEMASTERS ASR PTY LTD.	TASIMANIA	W A V E M A S T E R S A S R					4	001	(\mathbf{r})
NO REPRODUCTION UNLESS WRITTEN CONSENT GIVEN		ARTIFICIAL SURF REEF TECHNOLOGY				DRAWN ALLAN WISE		C01	\mathbf{U}



PROPOSED SITE PLAN

CLIENT:			Rev.	AMENDMENT DESCRIPTION	DATE	PROPOSED ARTIFICA
CITY OF ALBANY	CONTACT: Shane Abel		A	PRELIM ISSUE FOR REVIEW	12-05-2016	
			В	ISSUE FOR REVIEW	19-05-2016	MIDDLETON BEACH, 1
0 10 20 30 40 50mm	PHONE: 0427 564 235		С	MINOR UPDATE FOR REVIEW	04-03-2020	SITE PLAN
PRINT REDUCTION BAR A3 SHEET	ADDRESS: Sandy Bay					SCALE APPROXIMATE 1:20000
ALL RIGHTS RESERVED & SUBJECT TO GLOBAL PATENT. WAVEMASTERS ASR PTY LTD.	TASMANIA	W A V E M A S T E R S A S R				
NO REPRODUCTION UNLESS WRITTEN CONSENT GIVEN		ARTIFICIAL SURF REEF TECHNOLOGY				DRAWN ALLAN WISE







NOTES:

- * DATUM 0.00m = LOW WATER LEVEL 1.
- REDUCED LEVELS (RL) SHOWN ARE IN METRES 2.
- 3. REFER TO DRAWING CO7 FOR PILING SETOUT PLAN

DRAWING LIST:

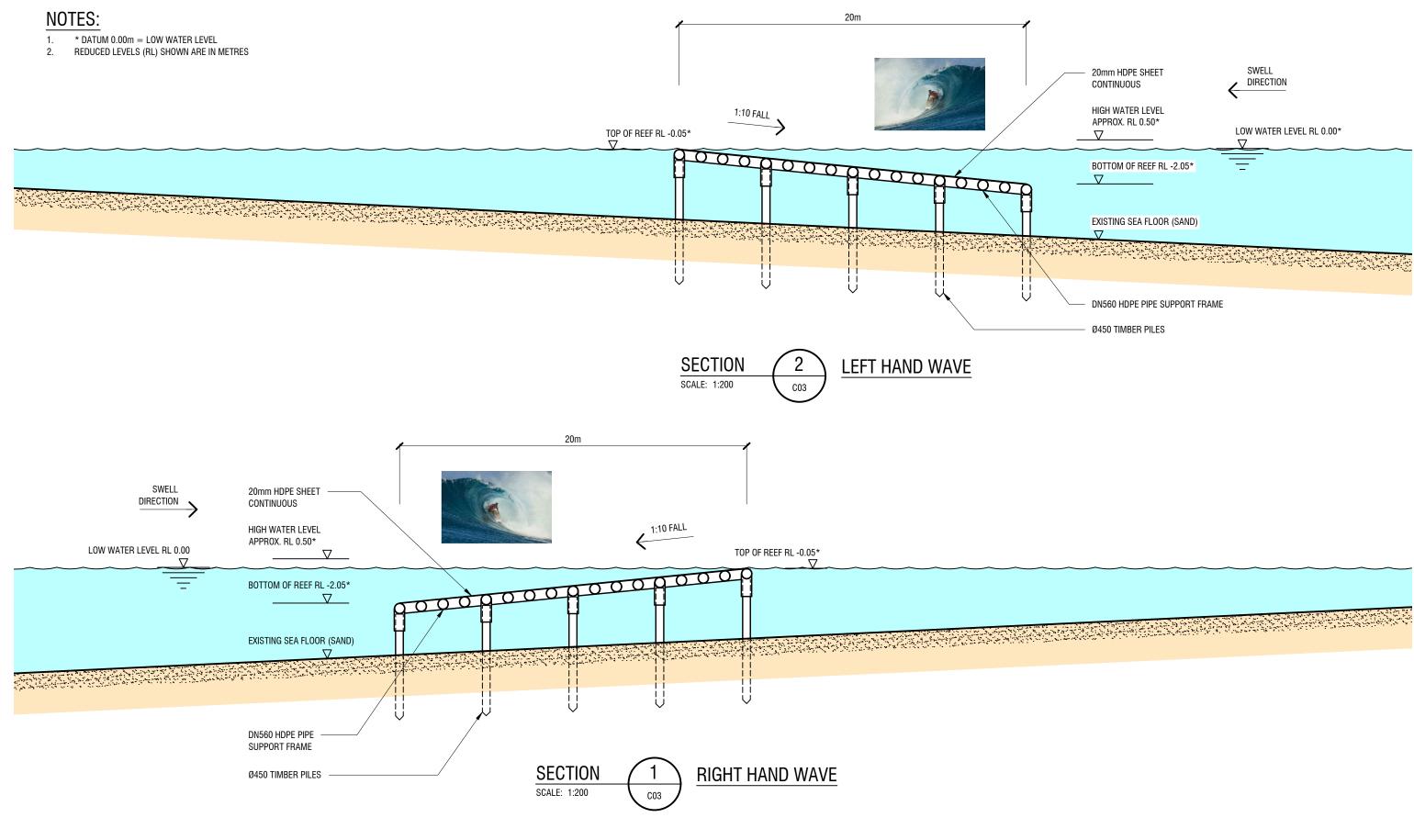
DWG No.	DWG DESCRIPTON
C01	LARGER AREA PLAN
C02	SITE PLAN
C03	PLAN OF ARTIFICIAL REEF
C04	CROSS SECTION OF LEFT AND RIGHT HAND
	WAVE BREAKS
C05	SECTION THRU LEADING EDGE
C06	LOW AND HIDE TIDE WAVE BREAK HEIGHTS
C07	PILING PLAN
C08	TRIAL SECTION PLAN AND DETAILS
C09	FRAME DETAILS

START STRUCTURE IN ABOUT 2m OF WATER DEPTH

MIDDLETON BEACH, ALBANY, WESTERN AUSTRALIA DRAWING NUMBER:



 (\mathbf{C})



CLIENT:			Rev.	AMENDMENT DESCRIPTION	DATE	PROPOSED ARTIFICAL
CITY OF ALBANY	CONTACT: Shane Abel		Α	PRELIM ISSUE FOR REVIEW	12-05-2016	
			В	ISSUE FOR REVIEW	19-05-2016] MIDDLETON BEACH, A
0 10 20 30 40 50mm	PHONE: 0427 564 235		С	MINOR UPDATE FOR REVIEW	04-03-2020	CROSS SECTION OF L
PRINT REDUCTION BAR A3 SHEET	ADDRESS: Sandy Bay					SCALE 1:200
ALL RIGHTS RESERVED & SUBJECT TO GLOBAL PATENT. WAVEMASTERS ASR PTY LTD.	TASMANIA	W A V E M A S T E R S A S R				
NO REPRODUCTION UNLESS WRITTEN CONSENT GIVEN		ARTIFICIAL SURF REEF TECHNOLOGY				DRAWN ALLAN WISE
						DIVINI ALEAN WIDE

20mm HDPE SHEET Continuous	
HIGH WATER LEVEL APPROX. RL 0.50*	LOW WATER LEVEL RL 0.00*
BOTTOM OF REEF RL -2.05*	
EXISTING SEA FLOOR (SAND)	
∇	

DN560 HDPE PIPE SUPPORT FRAME

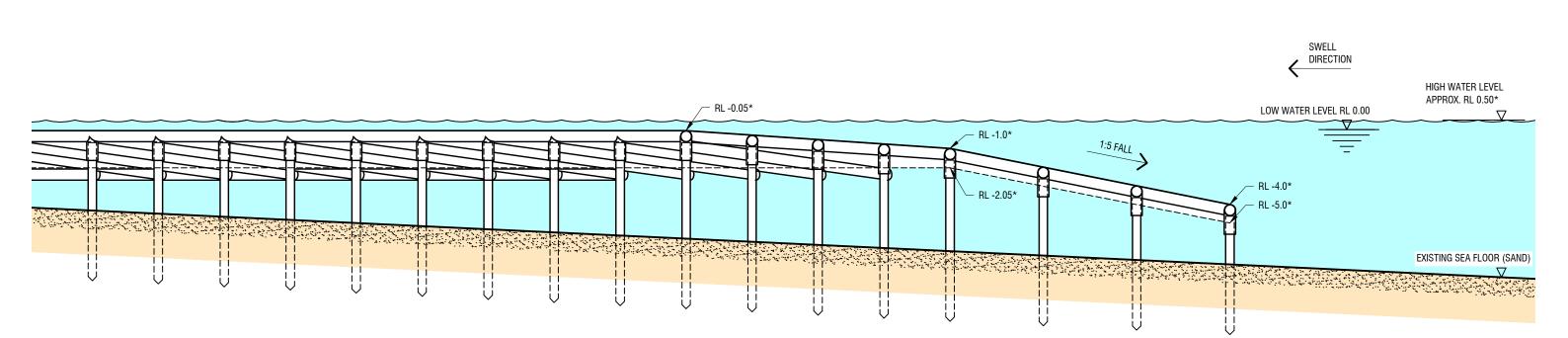
Ø450 TIMBER PILES

AL SURF BREAK ALBANY, WESTERN AUSTRALIA LEFT AND RIGHT HAND WAVE BREAKS

DRAWING NUMBER:

C04

REVISION \mathbf{C}



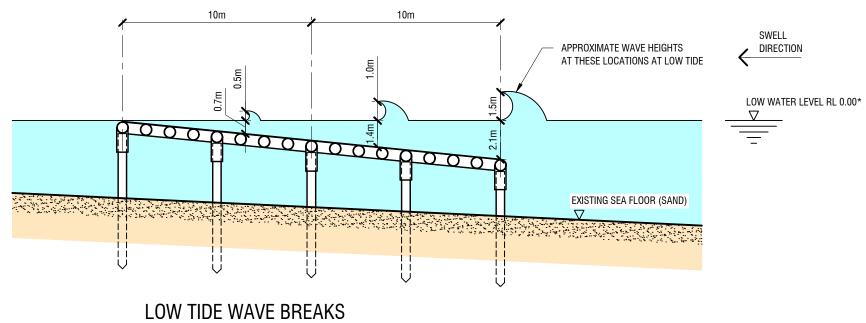


CLIENT:			Rev.	AMENDMENT DESCRIPTION	DATE	PROPOSED ARTIFICAL
CITY OF ALBANY	CONTACT: Shane Abel		A	PRELIM ISSUE FOR REVIEW	12-05-2016	
			В	ISSUE FOR REVIEW	19-05-2016	MIDDLETON BEACH, A
0 10 20 30 40 50mm	PHONE: 0427 564 235		С	MINOR UPDATE FOR REVIEW	04-03-2020	SECTION THRU LEADI
						SECTION THRU LEADI
PRINT REDUCTION BAR A3 SHEET	ADDRESS: Sandy Bay					SCALE 1:200
ALL RIGHTS RESERVED & SUBJECT TO GLOBAL PATENT. WAVEMASTERS ASR PTY LTD.	TASMANIA	W A V E M A S T E R S A S R				
ALL RIGHTS RESERVED & SUBJECT TO GLOBAL PATENT. WAVEWASTERS ASK FTY LTD. NO REPRODUCTION UNLESS WRITTEN CONSENT GIVEN		ARTIFICIAL SURF REEF TECHNOLOGY				DRAWN ALLAN WISE

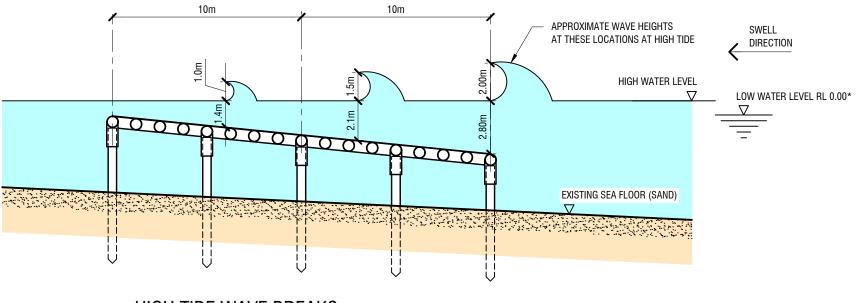
AL SURF BREAK					
ALBANY, WESTERN AUSTRALIA					
DING EDGE					
	DRAWING NUMBER:		REVISION		
		C05	(\mathbf{C})		
		605	(0)		

NOTES:

1.* DATUM 0.00m = LOW WATER LEVEL2.REDUCED LEVELS (RL) SHOWN ARE IN METRES



SCALE 1:200



HIGH TIDE WAVE BREAKS

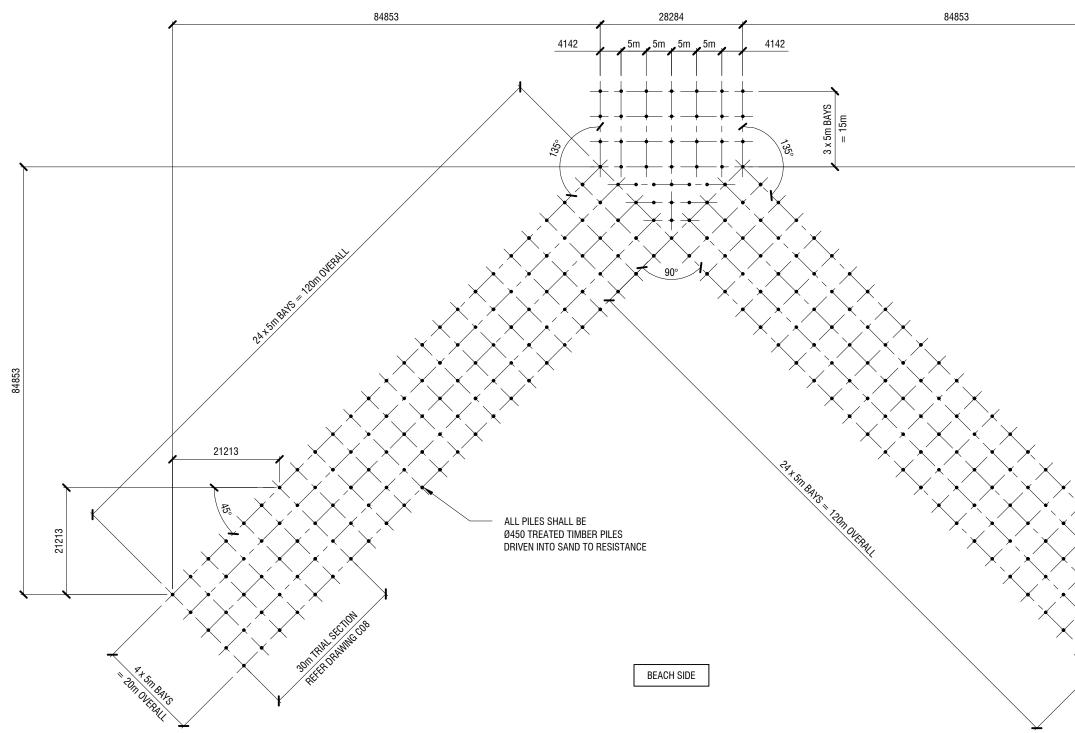
CLIENT: AMENDMENT DESCRIPTION DATE Rev. **PROPOSED ARTIFICA CITY OF ALBANY** А 19-05-2016 ISSUE FOR REVIEW CONTACT: Shane Abel MIDDLETON BEACH, В MINOR UPDATE FOR REVIEW 04-03-2020 PHONE: 0427 564 235 LOW AND HIDE TIDE 30 40 50mm 10 20 0 1 1 ADDRESS: Sandy Bay PRINT REDUCTION BAR | A3 SHEET SCALE 1:200 V E M A S T E R S A S R TASMANIA ALL RIGHTS RESERVED & SUBJECT TO GLOBAL PATENT. WAVEMASTERS ASR PTY LTD. ARTIFICIAL SURF REEF TECHNOLOGY NO REPRODUCTION UNLESS WRITTEN CONSENT GIVEN DRAWN ALLAN WISE

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

L SURF BREAK					
ALBANY, WESTERN AUSTRALIA					
WAVE BREAK HEIGH	ITS				
	DRAWING NUMBER:		REVISION		
		$ \mathbf{O} \mathbf{O} \mathbf{O} $			
		C06	(\mathbf{B})		
	I				



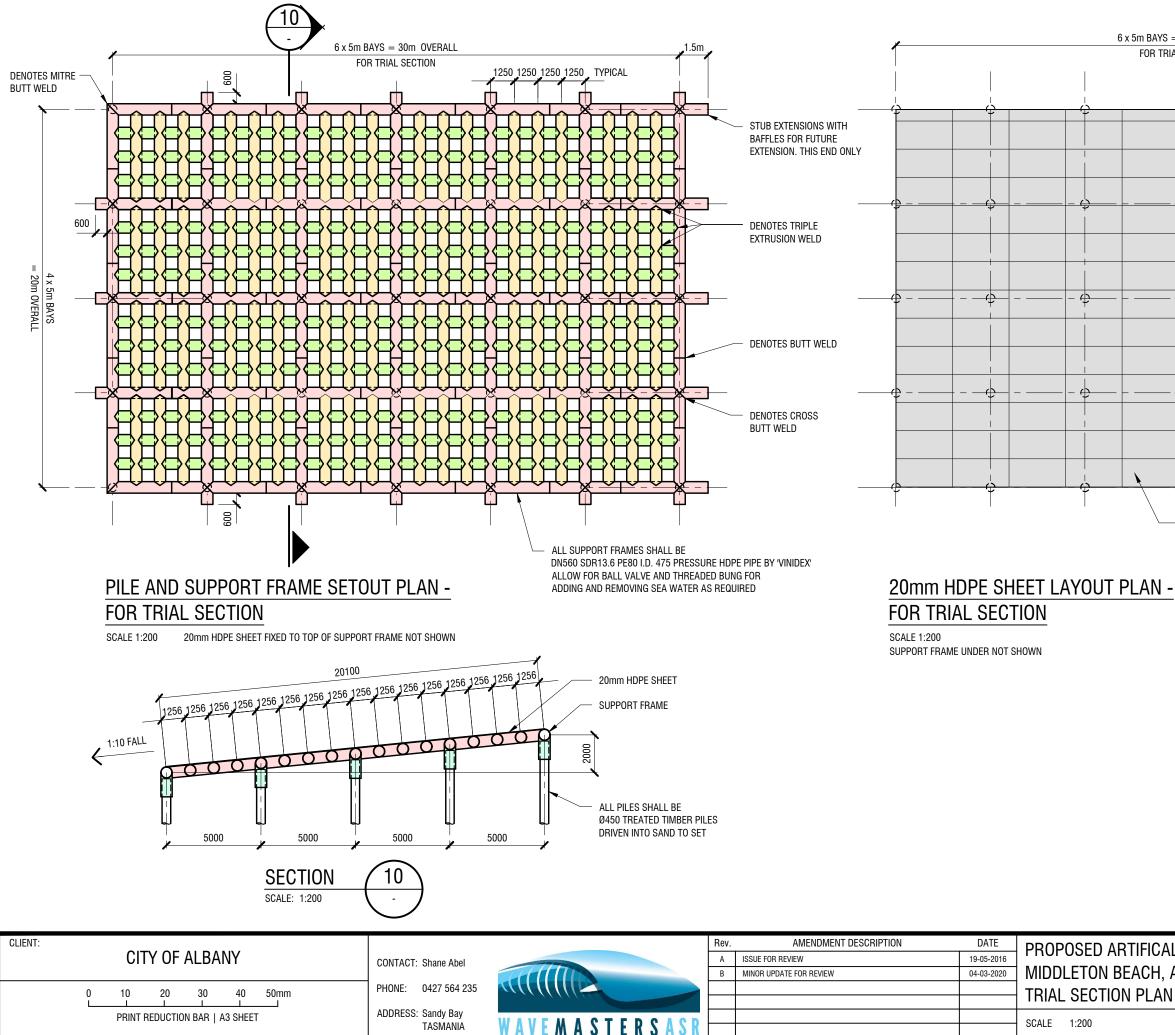


PILING PLAN SCALE 1:750

CLIENT:			Rev.	AMENDMENT DESCRIPTION	DATE	PROPOSED ARTIFICAL
CITY OF ALBANY	CONTACT: Shane Abel		A	ISSUE FOR REVIEW	19-05-2016	
			В	MINOR UPDATE FOR REVIEW	04-03-2020] MIDDLETON BEACH, A
0 10 20 30 40 50mm	PHONE: 0427 564 235					PILING PLAN
PRINT REDUCTION BAR A3 SHEET	ADDRESS: Sandy Bay					SCALE 1:750
ALL RIGHTS RESERVED & SUBJECT TO GLOBAL PATENT. WAVEMASTERS ASR PTY LTD.	TASMANIA	W A V E M A S T E R S A S R				
NO REPRODUCTION UNLESS WRITTEN CONSENT GIVEN		ARTIFICIAL SURF REEF TECHNOLOGY				DRAWN ALLAN WISE
						Divitin ALEXIT MOL

AL SURF BREAK , ALBANY, WESTERN	AUSTRALIA		
	DRAWING NUMBER:	C07	REVISION

84853



ALL RIGHTS RESERVED & SUBJECT TO GLOBAL PATENT. WAVEMASTERS ASR PTY LTD. NO REPRODUCTION UNLESS WRITTEN CONSENT GIVEN

35		
	WAVEMASTERSA	

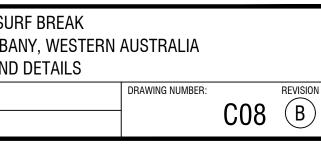
AMENDMENT DESCRIPTION	DATE	PROPOSED ARTIFICA
E FOR REVIEW	19-05-2016	
OR UPDATE FOR REVIEW	04-03-2020] MIDDLETON BEACH, A
		TRIAL SECTION PLAN
		SCALE 1:200
		DRAWN ALLAN WISE

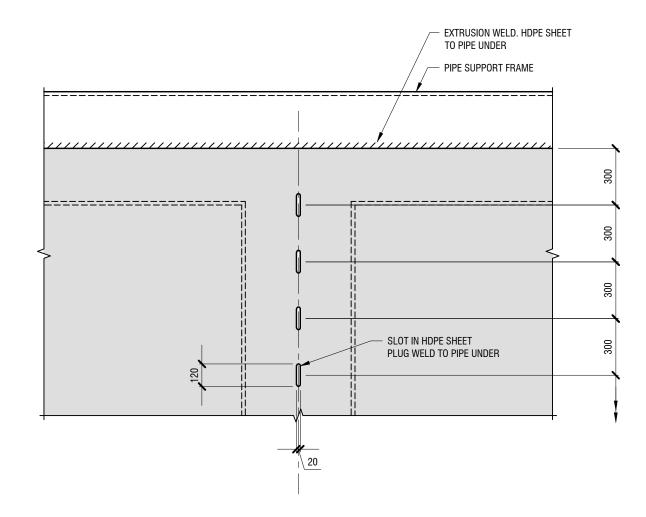
= 30m OVERAL Al Section	<u>.L</u>	 		•
÷	·	÷		þ
				`
		₩ <u></u>		,
÷		 ф— –	4	
÷		 -,		
				Ļ
Ψ		¥		-

DENOTES LAYOUT OF 3000 x 1500 x 20mm THICK HDPE SHEET. GREY COLOUR. WELDED TO TOP OF PIPE SUPPORT FRAME.

NOTES: REFER TO DRAWING C09 FOR TYPICAL CONNECTION DETAILS 1.

AL SURF BREAK ALBANY, WESTERN AUSTRALIA N AND DETAILS





TYPICAL HDPE SHEET TO SUPPORT FRAME CONNECTION - PLAN VIEW

SCALE 1:20 THIS WELD PATTERN REPEATS OVER ENTIRE FRAME M20 THREAD ROD. WASHER AND DOUBLE NUTS EACH END. ALL GALVANIZED DRILL CENTRAL TO PILES —

TYPICAL PILE TO SUPPORT FRAME CONNECTION DETAIL SCALE 1:20

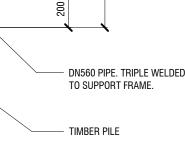
PIPE WALL TRIPLE EXTRUSION WELD

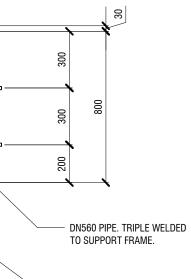
TYPICAL TRIPLE WELD DETAIL

NOT TO SCALE

ſ				Rev.	AMENDMENT DESCRIPTION	DATE 19-05-2016	PROPOSED ARTIFICAL SURF BREAK	
		CONTACT: Shane Abel PHONE: 0427 564 235		В	MINOR UPDATE FOR REVIEW 04-03-2020 MIDDLET		MIDDLETON BEACH, ALBANY, WESTER	
	0 10 20 30 40 50mm	ADDRESS: Sandy Bay					FRAME DETAILS	
	PRINT REDUCTION BAR A3 SHEET ALL RIGHTS RESERVED & SUBJECT TO GLOBAL PATENT. WAVEMASTERS ASR PTY LTD.	TASMANIA	WAVEMASTERSASR				SCALE 1:20	
	NO REPRODUCTION UNLESS WRITTEN CONSENT GIVEN	ARTIFICIAL SURF REEF TECHNOLOGY					DRAWN ALLAN WISE	

ALBANY, WESTERN AUSTRALIA						
	DRAWING NUMBER:	000	REVISION			
		C09	(<u>B</u>)			





DN560 SUPPORT FRAME SEE DRAWING C09 FOR SPECIFICATION