# PROPOSED BOARDING HOUSE PLANSET: CHANNEL DESIGN PLAN CLIENT: MY MANLY VALE PTY LTD



LOCALITY PLAN NOT TO SCALE

### LGA: NORTHERN BEACHES COUNCIL

# 255 CONDAMINE STREET, MANLY VALE, NSW LOT 8 DP 604034

	REV	DESCRIPTION	DATE	DRAWN	DESIGNED	CHECKED	APPRVD	SCALE
	В	REVISED FOLLOWING \$34	20/10/2021	NN	CG	DD	GT	
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GRID	DATUM	PROJECT MANAGER	CLIENT
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All measurements i	n millimetres unless of	herwise specified.	ſ
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#### MY MANLY VALE PTY LTD

NAME/PLANSET TITLE PROPOSED BOARDING HOUSE CHANNEL DESIGN PLAN 255 CONDAMINE STREET, MANLY VALE, NSW LOT 8 DP 604034



Suite 201, 20 George St, Hornsby, NSW 2077 Australia Phone: (02) 9476 999 Email: mail@martens.com.au Internet: www.martens.com.

DRAWING	RAWING LIST										
DWG NO.	REV	DWG TITLE									
GENERAL											
PS07-A000	В	COVER SHEET									
CONSTRU	CTION	I MANAGEMENT WORKS									
PS07-B300	В	SEDIMENT AND EROSION CONTROL AND DEMOLITION PLAN									
PS07-B350	А	SEDIMENT AND EROSION DETAILS									
EARTHWO	DRKS										
PS07-C100	В	EARTHWORKS PLAN									
PS07-C500	В	EARTHWORKS CUT-FILL ANALYSIS PLAN									
PS07-C600	В	EARTHWORKS SECTIONS SHEET 1									
PS07-C601	В	EARTHWORKS SECTIONS SHEET 2									
PS07-C602	В	EARTHWORKS SECTIONS SHEET 3									

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GENERAL NOTES:

- 1. THIS PLAN IS FOR DEVELOPMENT APPLICATION PURPOSE AND NOT FOR CONSTRUCTION. DESIGN TO BE REVIEWED AND UPDATED FOR CONSTRUCTION CERTIFICATE.
- 2. ALL WORK TO BE CARRIED OUT IN ACCORDANCE WITH, AND THESE NOTES ARE TO BE READ IN CONJUNCTION WITH THE RELEVANT AUSTRALIAN STANDARDS, COUNCIL SPECIFICATIONS, AND ALL PROJECT CONSULTANT'S PLANS AND REPORTS.
- INTERNAL SURVEY INFORMATION AND EXTERNAL SITE BOUNDARY SHOWN BASED ON SURVEY INFORMATION PROVIDED BY BEE & LETHBRIDGE 15/09/2020.
   ARCHITECTURAL INFORMATION SHOWN BASED ON DESIGN BY GARTNER TROVATO
- ARCHITECTS 21/09/2021.
- 5. LEVELS ARE TO AUSTRALIAN HEIGHT DATUM (AHD).
   6. FINAL SURFACE CONTOURS ARE BASED ON DESIGN AND EXISTING SURVEY AND LIDAR SURFACES.

## DEVELOPMENT APPLICATION

Engineers <sup>nt</sup> cal		CO	VER SHEET		
	PROJECT NO.	PLANSET NO.	RELEASE NO.	DRAWING NO.	REVISION
99 Fax: (02) 9476 8767 n.au	P1605609	PS07	R02	PS07-A000	В
	DRAWING ID: P1605609-PS07-R02-A00	0.0 0 10	20 30 40	0 50 60 70 8	) 90 100



21	UA2 A A1		





- 1. Construct sediment fences as close as possible to being parallel to the contours of the site, but with small returns as shown in the drawing to limit the catchment area of any one section. The catchment area should be small enough to limit water flow if concentrated at one point to 50 litres per second in the design storm event, usually the 10-year event. 2. Cut a 150-mm deep trench along the upslope line of the fence for the bottom of the fabric to be entrenched.
- 3. Drive 1.5 metre long star pickets into ground at 2.5 metre intervals (max) at the downslope
- edge of the trench. Ensure any star pickets are fitted with safety caps. 4. Fix self-supporting geotextile to the upslope side of the posts ensuring it goes to the base of the trench. Fix the geotextile with wire ties or as recommended by the manufacturer. Only use geotextile specifically produced for sediment fencing. The use of shade cloth for this purpose is not satisfactory.
- 5. Join sections of fabric at a support post with a 150-mm overlap.
- 6. Backfill the trench over the base of the fabric and compact it thoroughly over the geotextile.
- SEDIMENT FENCE



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SD 6-8



#### SHAKER PAD (CATTLE GRID)

A CORRECTLY DESIGNED AND INSTALLED SHAKER PAD WILL ASSIST IN PREVENTING SEDIMENT TRANSFERE FROM A SITE. ANY STABILISED ACCESS POINT (SAP) CAN BE DESIGNED WITH A SHAKER PAD (COMPULSOPRY IN TYPE II SAP'S)

SHAKER PADS CAN BE DESIGNED AND CONSTRUCTED TO ENABLE RE-USE ON FUTURE PROJECTS.

THE SHAKER PAD:

- MUST BE DESIGNED AND CERTIFIED BY A PRACTICING STRUCTURAL ENGINEER. THE CERTIFIED DESIGN SHOULD BE SUBMITTED WITH THE RELEVENT APPLICATION.
- CAN BE CONSTRUCTED FROM ANY SUITABLE MATERIAL.
- MUST BE LOCATED ON A SUITABLY PREPARED AND COMPACTED SUB-GRADE/BASE MATERIAL.
- MUST BE SITUATED SUCH THAT THE RUNGS OF THE SHAKER PAD ARE LEVEL WITH THE ADJOINING NATURAL SURFACE.
- MUST BE A MINIMUM OF 3.5m IN LENGTH.
- MUST BE A MINIMUN OF 3.5m IN WIDTH. MUST HAVE CLEAR SPACING BETWEEN RUNGS OF 200 – 250mm.
- RUNGS MUST HAVE A MAXIMUM WIDTH (BEARING AREA) OF 75mm.
- MUST HAVE A MINIMUM CLEAR DEPTH OF 300mm IE FORM THE ROP OF THE RUNG TO THE FINISHED SUB-GRADE/BASE LEVEL.

THE SHAKER PAD MUST BE PROVIDED WITH SUITABLE BARRIERS AT THE SIDES TO ENSURE THAT ALL TYERS OF VEHICLES LEAVING THE SITE TRAVERSE THE DEVICE.



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		Stabilise stor	kpile			
Earth bank	2:1 slope (max) e	Sediment fence				E
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STOCKPILES	6 🖾	8		SD 4-1		
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76 9999 Fax: (02) 9476 8767 s.com.au	P1605609	PS07	R02	PS07-B35	50 A	

DRAWING ID: P1605609-PS07-R02-B350



A1 / A3 LANDSCAPE (A1LC\_v02.0.01)

AMENDED OUTLINE OF BUILDI STACKED SANDSTONE BLOCK WALL TOP OF BLOCK RL 7.50 POTECT BANK WITH NATURAL- BLOCK WALL TOP OF BLOCK RL 6.20 ANGLED PLE ANGLED PLE COMPANY C	NG ABOVE	REVEGET ATED AND STABILISED RPARIAN ZONE MERGE WITH EXISTING BANK			EURNT BRIDGE	CONDAMINE STREET	A B C
International optimization       International optin optimization       Internation optimization	MY MANLY VALE PTY LTD T NAME/PLANSET TITLE PROPOSED BOARDING HOUSE CHANNEL DESIGN PLAN 255 CONDAMINE STREET, MANLY VALE, NSW	Suite 201, 20 George St, Hornsby, NSW 2077 Australia F	DE Consulting Engineers Environment Water Geotechnical Civil	THE PROJECT NO.	PLANSET NO. RELEASE NO.	DRAWING NO. REVISI PS07-C100 B	N <sub>F</sub>



A1 / A3 LANDSCAPE (A1LC\_v02.0.01)

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			therwise specified.	CHANNEL DESIGN PLAN		Civil
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B REVISED FOLLOWING \$34 CG DD GT 20/10/2021 NN A1 (A3) 1:100 (1:200) A WITHOUT PREJUDICE DRAFT FOR \$34 28/09/2021 NN CG DD GT

A1 / A3 LANDSCAPE (A1LC\_v02.0.01)

- REMOVE EXISTING FILL TO IMPROVE FLOOD CONVEYANCE AND MITIGATE FLOOD IMPACTS

- STRUCTURAL PILE

- STACKED SANDSTONE BLOCKS TO STABILISE BANK



DRAWING ID: P1605609-PS07-R02-C600

	GRID	DATUM	PROJECT MANAGER	CLIENT			
10 1ETRES	MGA	mAHD	GT	MY MANLY VALE PTY LTD		Consulting	
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EXISTING SURFACE LEVELS	9.609	7.280	5.636	5.675	5.634	5.581	5.523	5.538	6.249	6.976	7.712	8.449	9.185	9.378	9.463	9.548	9.632	9.704	9.776	
CUT / FILL DEPTH	0.000	-0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.049	-0.776	-0.197	-0.884	-1.570	-1.712	-1.748	-1.785	-1.821	-1.846	-1.869	
CHAINAGE	0.000	1.000	2.000	3.000	4.000	5.000	6.000	7.000	8.000	9.000	10.000	11.000	12.000	13.000	14.000	15.000	16.000	17.000	18.000	
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- REMOVE EXISTING FILL TO IMPROVE FLOOD CONVEYANCE AND MITIGATE FLOOD IMPACTS

DATUM RL 4.000

LEVELS

CUT / FILL DEPTH

CHAINAGE

EXISTING SURFACE LEVELS

DESIGN SURFACE



655

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0.000

BLOCKS TO STABILISE BANK 5.540 5.533 5.588 5.602 5.602 5.610 5.527 .606 0.000 0.000 0.000 000 473

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SCA

PROJECT MANAGER CLIENT GRID DATUM Consulting MY MANLY VALE PTY LTD METRES mAHD MGA GT Environme martens PROJECT NAME/PLANSET TITLE DISCLAIMER & COPYRIGHT Water This plan must not be used for construction unless signed as approved by principal certifying authority. PROPOSED BOARDING HOUSE & Associates Pty Ltd Geotechnic Civil All measurements in millimetres unless otherwise specified. CHANNEL DESIGN PLAN This drawing must not be reproduced in whole or part without prior written consent of Martens & Associates Pty Ltd. 255 CONDAMINE STREET, MANLY VALE, NSW LOT 8 DP 604034 Suite 201, 20 George St, Hornsby, NSW 2077 Australia Phone: (02) 9476 999 Email: mail@martens.com.au Internet: www.martens.com (C) Copyright Martens & Associates Pty Ltd

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6.299	7.099	7.901	8.703	8.837	8.898	8.877	8.829	8.781	8.861	9.140	9.452	9.488	9.471	9.457					
-0.102	0.401	-0.363	-1.123	-1.215	-1.233	-1.169	-1.078	-0.988	-1.025	-1.262	-1.533	-1.520	-1.008	0.543				E	
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6.200	7.500	7.502	7.526	7.542	7.557	7.571	7.585	7.597	7.609	7.620	7.628	7.636	7.644	7.652	7.659	7.662	7.665	7.668	7.674	7.679	7.683	7.686	7.688	7.691	7.694	7.698	7.922	8.068	8.116	8.161	8.207	8.243	8.275	8.307	8.338	8.371	8.402	8.432	8.463	8.488					
7.095	7.300	7.665	8.110	8.466	8.685	8.754	8.822	8.890	9.045	9.202	9.267	9.319	9.330	9.333	9.335	9.337	9.339	9.341	9.342	9.251	9.160	9.076	8.992	8.871	8.740	8.609	8.054	8.091	8.119	8.129	8.139	8.150	8.160	8.170	8.180	8.195	8.212	8.246	8.496	8.535	8.528	10.170			
-0.895	0.200	-0.163	-0.584	-0.923	-1.128	-1.182	-1.237	-1.293	-1.436	-1.582	-1.639	-1.683	-1.686	-1.681	-1.676	-1.675	-1.674	-1.674	-1.668	-1.572	-1.477	-1.390	-1.304	-1.180	-1.046	- 0.911	-0.132	-0.023	-0.004	0.032	0.068	0.094	0.116	0.137	0.159	0.177	0.190	0.186	-0.033	-0°.0	0.000	0.000			
16.000	17.000	18.000	19.000	20.000	21.000	22.000	23.000	24.000	25.000	26.000	27.000	28.000	29.000	30.000	31.000	32.000	33.000	34.000	35.000	36.000	37.000	38.000	39.000	40.000	41.000	42.000	43.000	44.000	45.000	46.000	47.000	48.000	49.000	50.000	51.000	52.000	53.000	54.000	55.000	56.000	57.000	57.567			

#### SECTION H

SCALE: HORIZONTAL - 1:100 VERTICAL - 1:100

MY MANLY VALE PTY LTD

PROJECT NAME/PLANSET TITLE PROPOSED BOARDING HOUSE CHANNEL DESIGN PLAN 255 CONDAMINE STREET, MANLY VALE, NSW LOT 8 DP 604034



Environme Water Geotechnic Civil

Suite 201, 20 George St, Hornsby, NSW 2077 Australia Phone: (02) 9476 999 Email: mail@martens.com.au Internet: www.martens.com

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DRAWING TITLE

**DEVELOPMENT APPLICATION**