STRUCTURAL DETAILING

OWNER: C & N TRADING

SITE ADDRESS: QUICKRETAIN DETAILS

CLIENT JOB NUMBER: -





DISCLOSURE NOTE:

ALL INFORMATION PRESENTED IS INTENDED AS A GUIDE ONLY.
DETAILS ARE APPLICABLE ONLY TO WALLS WITH DESIGN PARAMETERS AS NOTED.
IF IN DOUBT, SEEK AN EXPERT OPINION.



NSW

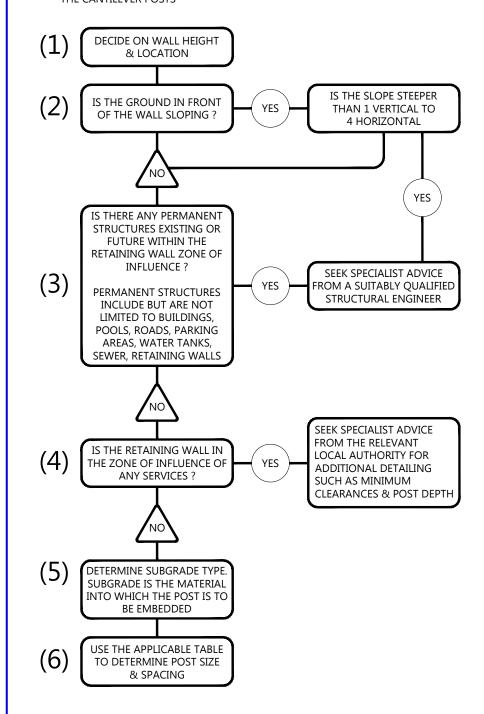
Level 2, 73-75 Dunmore Street, WENTWORTHVILLE, NSW 2145 Unit 8, 12 Jindalee Road, PORT MACQUARIE, NSW 2444 P: +61 2 9896 5494 E: admin@reseng.com.a www.residentialengineering.com.a

RESIDENTIAL ENGINEERING PTY LTD | ACN 612 898 629 | ABN 26 612 898 629 | TRADING AS RESIDENTIAL ENGINEERING

DRAWN	DATE	AMENDMENT	REV	JOB No:	ISSUE:
A.C.	14.02.17	SECTION SIZES & FENCE POST LOAD TABLES REVISED	С	CS0210	G
S.J	1.07.20	SECTION SIZES REVISED	D	000013	u
S.J	22.08.24	TABLES REVISED, NEW TEMPLATE PROVIDED	Ε	SHEET No:	
S.J	30.08.24	DISCOLSURE NOTE ADDED TO COVER SHEET	F	01 of 0	6
JR	08/09/25	SLEEPER SPACINGS & SIZES REVISED	G		J

WALL SELECTION CRITERIA

- THE RETAINING WALL IS NOT SUBJECT TO ANY VIBRATIONS.
- THE WATERTABLE IS IN ALL CASES BELOW THE UNDERSIDE OF THE CANTILEVER POSTS



THIS DOCUMENT IS INTENDED TO PROVIDE GUIDANCE FOR THE DESIGN OF THE RETAINING WALLS IN RESIDENTIAL SETTINGS AND SHALL NOT BE USED WHERE THE DESIGN EXCEEDS ANY OF THE ABOVE LIMITS OR EXCLUSIONS.

WHERE ANY VARIATION TO THE LIMITATIONS STATED IN THESE DETAILS INCLUDING MATERIALS, SUBGRADE CONDITIONS, DRAINAGE, SURCHARGE LOADS OR GEOMETRY OF THE RETAINING WALL A STRUCTURAL/GEOTECHNICAL/CIVIL ENGINEER SHOULD BE ENGAGED TO DESIGN THE WALL

IF IN DOUBT ABOUT INTERPERATING THE TABLES OR THE NATURE OF THE SUBGRADE COMBINATIONS AT SITE PLEASE SEEK EXPERT ADVICE

		SUBGRADE DESCRIPTIONS
S 0	POOR (100 kPa)	POOR SOIL SUBGRADE CAN BE IDENTIFIED AS SAND, SANDY LOAM, CONTROLLED AND UNCONTROLLED FILL AND ORGANIC MATERIAL SUCH AS TOPSOIL. THE UNDRAINED STRENGTH CAN BE IN THE RANGES OF VERY SOFT TO FIRM, WHERE A FINGER CAN BE PUSHED INTO THE SOIL WITH LITTLE EFFORT THROUGH TO ABOUT 25MM.
L S	GOOD (200 kPa)	GOOD SOIL SUBGRADES CAN BE IDENTIFIED AS CLAY AND GRAVELLY CLAYS. THE UNDRAINED STRENGTH CAN BE IN THE RANGES OF VERY STIFF TO HARD, WHERE THE SURFACE OF THE SOIL CAN BE INDENTED WITH THUMB PRESSURE BUT NOT PENETRATED.
R O	POOR (400 kPa)	POOR ROCK SUBGRADE CAN BE DEFINED AS A MATERIAL WHICH IS WEATHERED TO SUCH AN EXTENT THAT IT HAS SOIL PROPERTIES. FOR EXAMPLE, IT EITHER DISINTEGRATES OR CAN BE MOULDED IN WATER AND APPEARS DISCOLOURED USUALLY BY IRON STAINING, ALTHOUGH THE ROCK FABRIC IS STILL VISIBLE. THE STRENGTH GRADE CAN BE CLASSED IN THE RANGES OF VERY LOW TO MEDIUM STRENGTH. HAND SAMPLES CAN BE SCORED WITH A KNIFE INCLUDING SAMPLES BEING BROKEN BY HAND WITH DIFFICULTY OR BY A PICK WITH A SINGLE FIRM BLOW.
C K	GOOD (600 kPa)	GOOD ROCK SUBGRADE CAN BE DEFINED AS A MATERIAL WHERE THE COLOUR AND TEXTURE OF THE ROCK IS SLIGHTLY BLEACHED ALTHOUGH RECOGNISABLE. THE STRENGTH GRADE CAN BE CLASSED IN THE RANGES OF HIGH TO EXTREMELY HIGH WERE A SPECIMEN REQUIRES MANY BLOWS TO BREAK AND ROCK RINGS UNDER IMPACT OF GEOLOGICAL PICK OR HAMMER. THE ROCK CANNOT BE SCRATCHED WITH A KNIFE.

PIER SPECIFICATION	V	SURCHARGE NOTE							
CONCRETE STRENGTH: (F'c AT 28 DAYS)	N25	RETAINING WALL SUBJECTED TO							
MAX SLUMP:	100	SURCHARGE LOADS TO BE DESIGNED BY ENGINEER. REFER DESCRIPTION							
MAX SIZE AGGREGATE	20	OF SURCHARGE LOADS BELOW.							
WATER SERVICE NO	DTE	WIND LOAD NOTE							

SURCHARGE DESCRIPTION

WHEN CONSTRUCTING A RETAINING WALL WITHIN CLOSE PROXIMITY TO AN EXISTING BUILT ELEMENT, ADDITIONAL DESIGN CONSIDERATIONS MAY BE REQUIRED. SURCHARGE LOADS COMPRISE OF, BUT ARE NOT LIMITED TO THE FOLLOWING EXAMPLES:

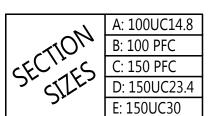
- SWIMMING POOLS DRIVEWAYS DWELLINGS RAINWATER TANKS
- BUILDINGS
 - TANKS/UNDERGROUND STRUCTURES

PLEASE CONTACT ENGINEER FOR SITE SPECIFIC DESIGN



A3 17/09/2025 3:39:01 PM, JarrodR

FOR E	ESTIMATING F	PURPOS	SES OI	NLY		CONCRETE SLEEPER (0.6m-1.8m HIGH) - 1.6m SPACING (1590 SLEEPER)																
			RETAI	NED SOIL	ONLY		RETAINED SOIL + 5 kPa SURCHARGE							_ + FENCI ON N2 WI			RETAINED SOIL + FENCE WIND LOADS + 5 kPa SURCHARGE. (DESIGN BASED ON N2 WIND LOADS MAX.)					
		'H' WALL HEIGHT (m)	'D' PIER DEPTH(m)	'P' PIER DIA. (m)	'C' POST CTS. (m)	'Z' SECTION SIZE	'H' WALL HEIGHT (m)	'D' PIER DEPTH(m)	'P' PIER DIA. (m)	'C' POST CTS. (m)	'Z' SECTION SIZE	'H' WALL HEIGHT (m)	'D' PIER DEPTH(m)	'P' PIER DIA. (m)	'C' POST CTS. (m)	'Z' SECTION SIZE	'H' WALL HEIGHT (m)	'D' PIER DEPTH(m)	'P' PIER DIA. (m)	'C' POST CTS. (m)	'Z' SECTION SIZE	
		0.6	0.6	0.3			0.6	0.6	0.4			0.6	1.2	0.45			0.6	1.3	0.45			
		0.8	0.7	0.3			0.8	0.7	0.4			0.8	1.3	0.45		A,B,C,D,E	0.8	1.4	0.45		A,B,C,D,E	
	GOOD SOILS	1.0	0.8	0.3	1.6	A,B,C,D,E	1.0	0.9	0.4	1.6	A,B,C,D,E	1.0	1.4	0.45		A,B,C,D,E	1.0	1.6	0.45			
	(200 kPa)	1.2	1.0	0.3	1.0	A,D,C,D,E	1.2	1.2	0.4			1.2	1.5	0.45			1.2	1.7	0.45			
	(200 2)	1.4	1.1	0.4			1.4	1.5	0.4			1.4	1.7	0.45			1.4	1.9	0.45	1.6	C,D,E	
		1.6	1.4	0.4			1.6	1.7	0.4		C,D,E	1.6	1.9	0.45	1.6	C,D,E	1.6	2.2	0.45	1.0	0,5,5	
		1.8	1.6	0.4		C,D,E	1.8	2.1	0.4		0,5,2	1.8	2.1	0.45			1.8	2.4	0.45			
		0.6	0.6	0.4			0.6	0.7	0.45			0.6	1.9	0.45			0.6	1.7	0.6			
		0.8	0.7	0.4			0.8	1.0	0.45			0.8	2.0	0.45		A,B,C,D,E	0.8	1.8	0.6		A,B,C,D,E	
	POOR SOILS (100 kPa)	1.0	1.0	0.4	1.6	A,B,C,D,E	1.0	1.3	0.45	1.6	A,B,C,D,E	1.0	2.1	0.45			1.0	2.0	0.6			
		1.2	1.3	0.4			1.2	1.6	0.45			1.2	2.3	0.45			1.2	2.2	0.6			
		1.4	1.7	0.4			1.4	2.0	0.45			1.4	2.1	0.6			1.4	2.5	0.6	1.6	C,D,E	
		1.6	2.1	0.4			1.6	2.4	0.45		C,D,E	1.6	2.4	0.6	1.6	C,D,E	1.6	2.8	0.6			
		1.8	2.4	0.4		C,D,E	1.8	2.9	0.45			1.8	2.7	0.6			1.8	3.1	0.6			
		0.6	0.4	0.3			0.6	0.4	0.4			0.6	0.7	0.4			0.6	0.7	0.45			
		0.8	0.4	0.3		A,B,C,D,E	0.8	0.4	0.4			0.8	0.7	0.4		A,B,C,D,E	0.8	0.7	0.45		A,B,C,D,E	
	GOOD ROCK	1.0	0.5	0.3	1.6		1.0	0.5	0.4	1.6	A,B,C,D,E	1.0	0.8	0.4			1.0	0.8	0.45			
	(600 kPa)	1.2	0.6	0.3			1.2	0.7	0.4			1.2	0.9	0.4			1.2	0.9	0.45			
		1.4	0.7	0.3			1.4	0.8	0.4			1.4	1.0	0.4		0.0.5	1.4	1.0	0.45	1.6	C,D,E	
		1.6	0.9	0.3			1.6	0.9	0.4		C,D,E	1.6	1.1	0.4	1.6	C,D,E	1.6	1.2	0.45			
		1.8 0.6	0.4	0.3		C,D,E	1.8 0.6	0.4	0.4			1.8 0.6	0.9	0.4			1.8 0.6	1.3 0.9	0.45 0.45			
		0.8	0.4	0.3			0.8	0.4	0.4			0.8	0.9	0.4			0.8	0.9	0.45		A,B,C,D,E	
		1.0	0.4	0.3			1.0	0.6	0.4	1.6	A,B,C,D,E	1.0	1.0	0.4		A,B,C,D,E	1.0	1.0	0.45		A,D,O,D,L	
	POOR ROCK	1.2	0.6	0.4	1.6	A,B,C,D,E	1.2	0.8	0.4	1.0	A,D,O,D,L	1.2	1.1	0.4			1.2	1.5	0.45			
	(400 kPa)	1.4	0.8	0.4	7,0,0,0,1	1.4	1.0	0.4			1.4	1.2	0.4			1.4	1.7	0.45				
		1.6	0.9	0.4			1.6	1.2	0.4			1.6	1.4	0.4		C,D,E	1.6	1.9	0.45	1.6	C,D,E	
		1.8	1.1	0.4		C,D,E	1.8	1.4	0.4		C,D,E	1.8	1.5	0.4	'	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1.8	2.1	0.45			
		1	1.1	0.1		0,0,0	L '.0	<u> </u>	0.1			L '	1.0	0.1			1.0		0.10			



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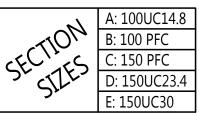
FOR:	DRAWN	DATE	AMENDMENT	REV	JOB No:	ISSUE:
C & N TRADING	A.C.	14.02.17	SECTION SIZES & FENCE POST LOAD TABLES REVISED	С	CS0210	G
CITE ADDRESS	S.J	1.07.20	SECTION SIZES REVISED	D	000013	Ч
SITE ADDRESS: QUICKRETAIN DETAILS	S.J	22.08.24	TABLES REVISED, NEW TEMPLATE PROVIDED	Ε	SHEET No:	
	S.J	30.08.24	DISCOLSURE NOTE ADDED TO COVER SHEET	F	03 of 0	6
	JR	08/09/25	SLEEPER SPACINGS & SIZES REVISED	G		U

17/09/2025 3:39:02 PM, JarrodR

CLIENT REF:

FOR ES	STIMATING P		CONCRETE SLEEPER (0.6m-1.8m HIGH) - 2.0m SPACING (1990 SLEEPER)																		
			RETAI	NED SOIL	ONLY		RETA	ained soi	L + 5 kP	3 SURCH	ARGE		AINED SOIL N BASED				RETAINED SOIL + FENCE WIND LOADS + 5 kPa SURCHARGE. (DESIGN BASED ON N2 WIND LOADS MAX.)				
→		'H' WALL HEIGHT (m)	'D' PIER DEPTH(m)	'P' PIER DIA. (m)	'C' POST CTS. (m)	'Z'SECTION SIZE	'H' WALL HEIGHT (m)	'D' PIER DEPTH(m)	'P' PIER DIA. (m)	'C' POST CTS. (m)	'Z'SECTION SIZE	'H' WALL HEIGHT (m)	'D' PIER DEPTH(m)	'P' PIER DIA. (m)	'C' POST CTS. (m)	'Z'SECTION SIZE	'H' WALL HEIGHT (m)	'D' PIER DEPTH(m)	'P' PIER DIA. (m)	'C' POST CTS. (m)	'Z'SECTION SIZE
>		0.6	0.6	0.3			0.6	0.6	0.4			0.6	1.4	0.45			0.6	1.5	0.45		
· ·		0.8	0.8	0.3			0.8	0.8	0.4	2		0.8	1.5	0.45	2	A,B,C,D,E	0.8	1.6	0.45]	A,B,C,D,E
	GOOD SOILS	1.0	1.0	0.3	2	A,B,C,D,E	1.0	1.1	0.4	2	A,B,C,D,E	1.0	1.6	0.45			1.0	1.8	0.45		
	(200 kPa)	1.2	1.2	0.3			1.2	1.3	0.4			1.2	1.7	0.45			1.2	2.0	0.45]	
	,	1.4	1.4	0.4			1.4	1.6	0.4			1.4	1.9	0.45		C,D,E	1.4	2.2	0.45	2	C,D,E
		1.6	1.6	0.4		C,D,E	1.6	2.0	0.4		C,D,E	1.6	2.1	0.45		0,5,2	1.6	2.5	0.45		
		1.8	1.8	0.4		-,-,-	1.8	2.3	0.4			1.8	2.4	0.45			1.8	2.8	0.45	<u> </u>	C,E
,		0.6	0.6	0.4	-		0.6	0.8	0.45			0.6	1.8	0.6			0.6	2.0	0.6	-	
	POOR SOILS (100 kPa)	0.8	0.8	0.4	-		0.8	1.1	0.45		A,B,C,D,E	0.8	1.9	0.6		A,B,C,D,E	0.8	2.1	0.6		A,B,C,D,E
		1.0	1.1	0.4	2	A,B,C,D,E	1.0	1.5	0.45			1.0	2.0	0.6			1.0	2.3	0.6	ļ	
		1.2	1.5	0.4	-		1.2	1.9	0.45			1.2	2.2	0.6			1.2	2.6	0.6		
> >		1.4	1.9	0.4			1.4	2.0	0.6	0	0.0.5	1.4	2.5	0.6	2	C,D,E	1.4	2.9	0.6	2	C,D,E
, ,		1.6	2.3	0.4		C,D,E	1.6	2.4	0.6	2	C,D,E	1.6	2.8	0.6			1.6	3.2	0.6	 	
		1.8 0.6	2.8	0.4			1.8 0.6	2.8	0.6			1.8 0.6	0.8	0.6			1.8 0.6	3.6 0.8	0.6 0.45	 	C,E
		0.8	0.4	0.3	-		0.8	0.4	0.4			0.8	0.0	0.4	2	A,B,C,D,E	0.8	0.8	0.45	-	A,B,C,D,E
		1.0	0.4	0.3	2	A,B,C,D,E	1.0	0.5	0.4	2	A,B,C,D,E	1.0	1.0	0.4		7,,0,0,0,	1.0	1.0	0.45	1	A,D,O,D,L
	GOOD ROCK	1.2	0.7	0.3		A,D,C,D,L	1.2	0.7	0.4			1.2	1.1	0.4			1.2	1.1	0.45	·····	
	(600 kPa)	1.4	0.8	0.3	-		1.4	0.9	0.4			1.4	1.2	0.4			1.4	1.2	0.45	2	C,D,E
		1.6	1.0	0.3	 	-	1.6	1.1	0.4		C,D,E	1.6	1.3	0.4	1	C,D,E	1.6	1.3	0.45		
		1.8	1.2	0.3	1	C,D,E	1.8	1.2	0.4			1.8	1.4	0.4			1.8	1.5	0.45	·····	C,E
		0.6	0.4	0.3			0.6	0.4	0.4			0.6	1.0	0.4			0.6	1.0	0.45		
		0.8	0.5	0.3	1		0.8	0.6	0.4	0	A D C D C	0.8	1.1	0.4		A,B,C,D,E	0.8	1.1	0.45		A,B,C,D,E
	DOOD DOOK	1.0	0.6	0.3	2	A,B,C,D,E	1.0	0.7	0.4	2	A,B,C,D,E	1.0	1.2	0.4			1.0	1.2	0.45		
· ·	POOR ROCK (400 kPa)	1.2	0.8	0.3			1.2	0.9	0.4			1.2	1.3	0.4			1.2	1.3	0.45		
>	(122 4)	1.4	1.0	0.3			1.4	1.1	0.4			1.4	1.4	0.4	2	C,D,E	1.4	1.5	0.45	2	C,D,E
· ·		1.6	1.2	0.3		C,D,E	1.6	1.3	0.4		C,D,E	1.6	1.5	0.4		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1.6	1.6	0.45		
> >		1.8	1.5	0.3		3,5,5	1.8	1.6	0.4			1.8	1.7	0.4			1.8	1.8	0.45		C,E





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Setain	DATE: 10/09/25
Retaining Wall Solutions	DRAWN: G.K.
	SCALE:

	FOR: D C & N TRADING		DATE	AMENDMENT	REV	JOB No:	ISSUE:
			14.02.17	SECTION SIZES & FENCE POST LOAD TABLES REVISED	С	CSU810	G
5	CITE ADDDESO	S.J	1.07.20	SECTION SIZES REVISED	D	000013	J
	SITE ADDRESS: QUICKRETAIN DETAILS	S.J	22.08.24	TABLES REVISED, NEW TEMPLATE PROVIDED	Ε	SHEET No:	
		S.J	30.08.24	DISCOLSURE NOTE ADDED TO COVER SHEET	F	04 of 0	6
	-	JR	08/09/25	SLEEPER SPACINGS & SIZES REVISED	G	UT UI U	U

FOR	ESTIMATING F	PURPOS	SES O	NLY			CONC	RETE S	SLEEP	ER (0.	6m-1.	.0m H	IGH) -	- 2.4n	n SPA	CING ((2390	SLEEF	PER)												
			RETA	NED SOIL	ONLY		RET/	RETAINED SOIL + 5 kPa SURCHARGE				RETAINED SOIL + FENCE WIND LOADS (DESIGN BASED ON N2 WIND LOADS MAX.)					RETAINED SOIL + FENCE WIND LOADS + 5 kPa SURCHARGE. (DESIGN BASED ON N2 WIND LOADS MAX.)														
		'H' WALL HEIGHT (m)	'D' PIER DEPTH(m)	'P' PIER DIA. (m)	'C' POST CTS. (m)	'Z' SECTION SIZE	'H' WALL HEIGHT (m)	'D' PIER DEPTH(m)	'P' PIER DIA. (m)	'C' POST CTS. (m)	'Z' SECTION SIZE	'H' WALL HEIGHT (m)		'P' PIER DIA. (m)	'C' POST CTS. (m)	'Z' SECTION SIZE	'H' WALL HEIGHT (m)	'D' PIER DEPTH(m)	'P' PIER DIA. (m)	'C' POST CTS. (m)	'Z'SECTION SIZE										
		0.6	0.6	0.3			0.6	0.6	0.4			0.6	1.6	0.45			0.6	1.7	0.45												
	GOOD SOILS (200 kPa)	0.8	0.7	0.3	2.4	A,B,C,D,E	0.8	0.9	0.4	2.4	A,B,C,D,E	0.8	1.7	0.45	2.4	A,B,C,D,E	0.8	1.8	0.45	2.4	A,B,C,D,E										
	(200 KFd)	1.0	1.0	0.3			1.0	1.2	0.4			1.0	1.8	0.45			1.0	2.0	0.45]	C,D,E										
	DOOD COULC	0.6	0.6	0.4			0.6	0.9	0.45			0.6	2.1	0.6			0.6	2.3	0.6		ABCDE										
	POOR SOILS (100 kPa)	1 08 1 00 1 0	0.4	2.4	A,B,C,D,E	0.8	1.3	0.45	2.4	A,B,C,D,E	0.8	2.2	0.6	2.4	A,B,C,D,E	0.8	2.4	0.6	2.4	A,B,C,D,E											
	(100 ki d)	1.0	1.2	0.4			1.0	1.6	0.45			1.0	2.3	0.6			1.0	2.6	0.6]	C,D,E										
		0.6	0.4	0.3			0.6	0.4	0.3			0.6	0.9	0.4			0.6	0.9	0.4		ABODE										
	GOOD ROCK (600 kPa)	0.8	0.4	0.3	2.4	A,B,C,D,E	0.8	0.5	0.3	2.4	A,B,C,D,E	0.8	0.9	0.4	2.4	A,B,C,D,E	0.8	1.0	0.4	2.4	A,B,C,D,E										
	(600 KPd)	1.0	0.5	0.3]		1.0	0.7	0.3			1.0	1.0	0.4			1.0	1.1	0.4		C,D,E										
	DOOD DOOK	0.6	0.4	0.3			0.6	0.5	0.3			0.6	1.2	0.4			0.6	1.3	0.4		A D C D C										
	POOR ROCK (400 kPa)	0.8	0.5	0.3	2.4	A,B,C,D,E	0.8	0.7	0.3	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	A,B,C,D,E	0.8	1.3	0.4	2.4	A,B,C,D,E	0.8	1.4	0.4	2.4	A,B,C,D,E
	(100 111 0)	1.0	0.7	0.3	7		1 0	0.0	0.3	1		1.0	1 /	0.4	1		1.0	1 7	0.4	1	CDE										

SECTION SECTION

1.0 0.7 0.3

A: 100UC14.8

B: 100 PFC

C: 150 PFC

D: 150UC23.4

E: 150UC30

G

RESIDENTIAL	COPYRIGHT:		CLIENT REF:	FOR:	DRAWN	DATE	AMENDMENT F	REV	JOB No:	ISSUE:
ENGINEERING	THIS DRAWING REMAINS THE		DATE:	C & N TRADING	A.C.	14.02.17	SECTION SIZES & FENCE POST LOAD TABLES REVISED	С	CS0819	G
Structural Engineers • Surveying & Geotechnical	PROPERTY OF RESIDENTIAL ENGINEERING AND	Quick Retain	10/09/25	SITE ADDRESS:	S.J	1.07.20	SECTION SIZES REVISED	D	000013	u
NSW	MAY NOT BE ALTERED IN ANY	Retaining Wall Solutions	DRAWN:	QUICKRETAIN DETAILS	S.J	22.08.24	TABLES REVISED, NEW TEMPLATE PROVIDED	Ε	SHEET No:	
Level 2, 73-75 Dunmare Street, WENTWORTHYILLE, NSW 2145 Unit 8, 12 Jindalee Road, PORT MACQUARIE, NSW 2444 www.residentialengineering.com.au	WAY WITHOUT RESIDENTIAL ENGINEERING	Totaling Wall Columns	SCALE:		S.J	30.08.24	DISCOLSURE NOTE ADDED TO COVER SHEET	F	05 of 0	16
RESIDENTIAL ENGINEERING PTY LID ACN 612 898 629 AEN 26 612 898 629 TRADING AS RESIDENTIAL ENGINEERING	WRITTEN CONSENT		00,1221		JR	08/09/25	SLEEPER SPACINGS & SIZES REVISED	G	00 01 0	,

17/09/2025 3:39:04 PM, JarrodR

