

# **Sloane Weldon** Pty. Ltd.

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**Engineering & Groundwater Geologists**

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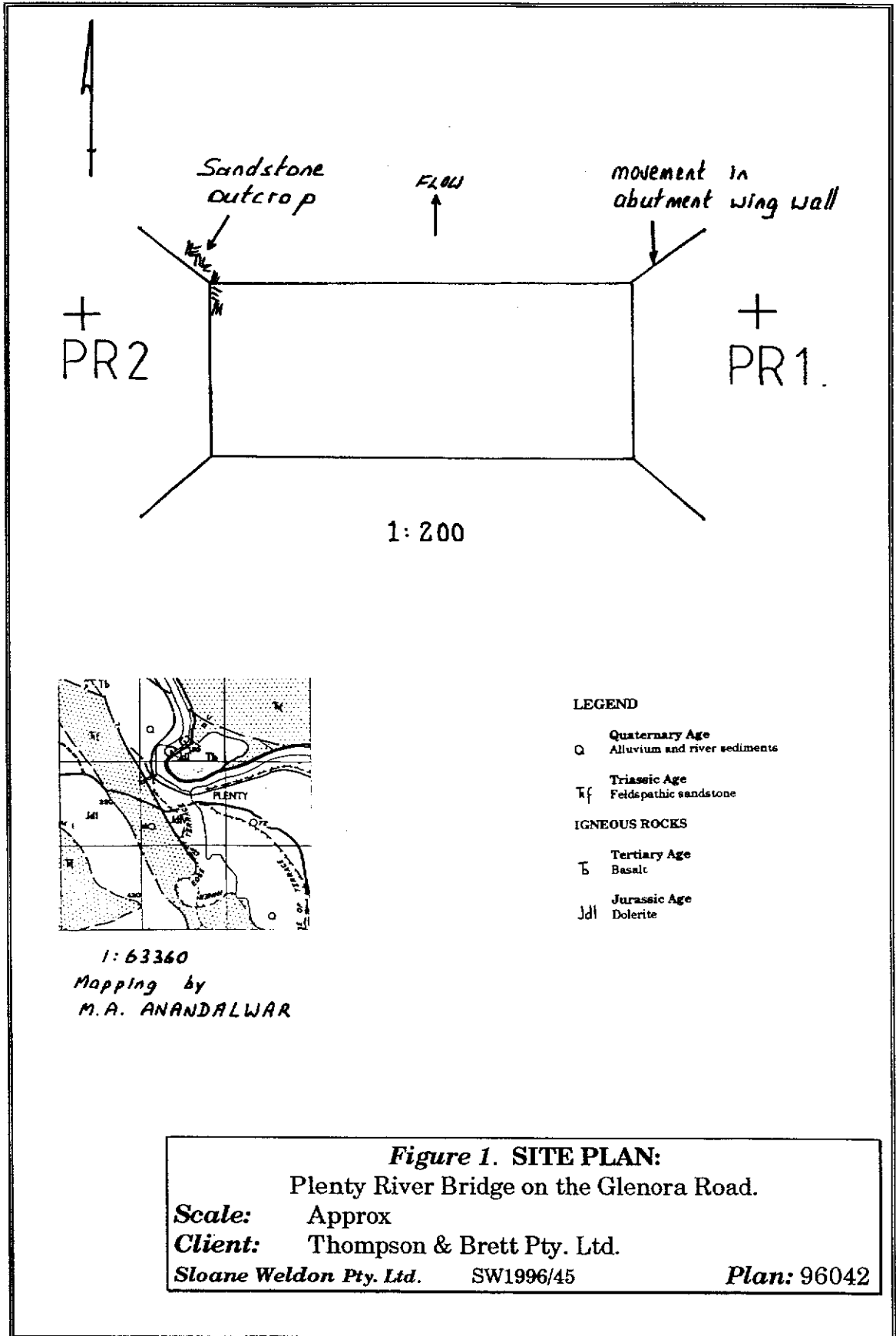
(015) 873 399

43 020

12882

REF Nos  
SW Report: 1996/45 18858  
FOUNDATION CONDITIONS: 18859  
PLENTY RIVER BRIDGE,  
GLENORA ROAD

Client: *Thompson & Brett Pty. Ltd.*



# ENGINEERING LOG - BOREHOLE

43 022

project		Glenora Road, Plenty River Bridge.		location		Proposed Eastern Abutment.	
co-ordinates	Refer to site plan	drill type	Pioneer 160	hole commenced	27/5/96		
R.L.	Approx. 15m AHD	drill method	HQ Tricone casing advance	hole completed	27/5/96		
inclination	Vertical	drill fluid	Water & Polymer	logged by	BDW		
bearing		contractor	KMR Drilling	checked by			

penetration	water	support	notes sample, tests	metres		graphic log	classification symbol	material  soil type: plasticity or particle characteristics, colour, secondary and minor components	moisture condition	consistency density index	hand penetr- ometer				structure, geology
				R.L.	depth						kPa	80	100	200	
1 2 3					0.0		SM	<b>Prime &amp; Seal:</b> <b>Gravelly SAND:</b> Medium subangular to subrounded sand; light brown; some gravel and/ or cobbles/ boulders (indicated by slow penetration rates); dark grey washing returns at times.		F- St					<b>FILL MATERIALS</b>
					1.0										
					2.0		SM	<b>Silty SAND:</b> Fine to medium subangular to subrounded sand; dark reddish brown; some low plasticity silt; trace coarse sand; trace fine gravel.	M	L					<b>ALLUVIUM</b>
			N*2 (HW, L1)		2.60		SM	<b>Silty SAND:</b> Fine to medium subangular to subrounded sand; dark reddish brown; some low plasticity silt; trace coarse sand; trace fine gravel.	M	L					NOTE: Apparatus penetrated 270mm under hammer & rod weight only.
					3.05										
					4.00		CL- SM	<b>Sandy SILT:</b> Low plasticity; dark reddish brown; approx. 35% fine sand.	M	F					NOTE: Last three blows penetrated a total of 200mm.
			N*5 (2,2,3)		4.50										
					5.0										
					5.58										
			N*4 (1,2,2)		6.03		SM	<b>Silty SAND:</b> Fine to medium subangular to subrounded sand; brownish grey; approx. 30% low plasticity silt; trace organic matter.	M	L					NOTE: Last two blows penetrated a total of 200mm.
					6.40										
					7.0			<b>Continued on Cored Borehole engineering log sheet.</b>							

REF No 18858

E 496100

ACC 2

**Sloane Weldon Pty. Ltd.**  
Engineering & Groundwater Geologists.

N 5267500

QUAD 74

MAP 82121

43 023



Borehole Number.

PR1

sheet 2 of 2

# ENGINEERING LOG - CORED BOREHOLE

project <b>Glenora Road, Plenty River Bridge.</b>		location <b>Proposed Eastern Abutment.</b>	
co-ordinates	Refer to site plan	drill type	Pioneer 160
R.L.	Approx. 15m AHD	drill method	NQ double tube
inclination	Vertical	drill fluid	Water & Polymer
bearing		contractor	KMR Drilling
		hole commenced	27/5/96
		hole completed	27/5/96
		logged by	BDW
		checked by	

Drilling information				Rock substance				Rock mass defects				
case - lift	fluid loss	water	notes	depth metres	graphic log	substance description rock type: grain characteristics, colour, structure and minor components	weathering	strength	RQD %	defect spacing mm.	defect description thickness, type, inclination, planarity, roughness, coating.	
								EL VL L M H KH		50 100 200 500 1000 2000	significant	general
				0.0								
				1.0								
				2.0								
				3.0								
				4.0								
				5.0								
				6.0								
				6.40								
				7.0		BASALT: Medium grained; grey.	Fr				Subhorizontal to 30 deg joints, rough, planar, often with ?calcite or zeolite lining <2mm.	
				7.37								
						TERMINATED: Required depth.						



