

Site Description:

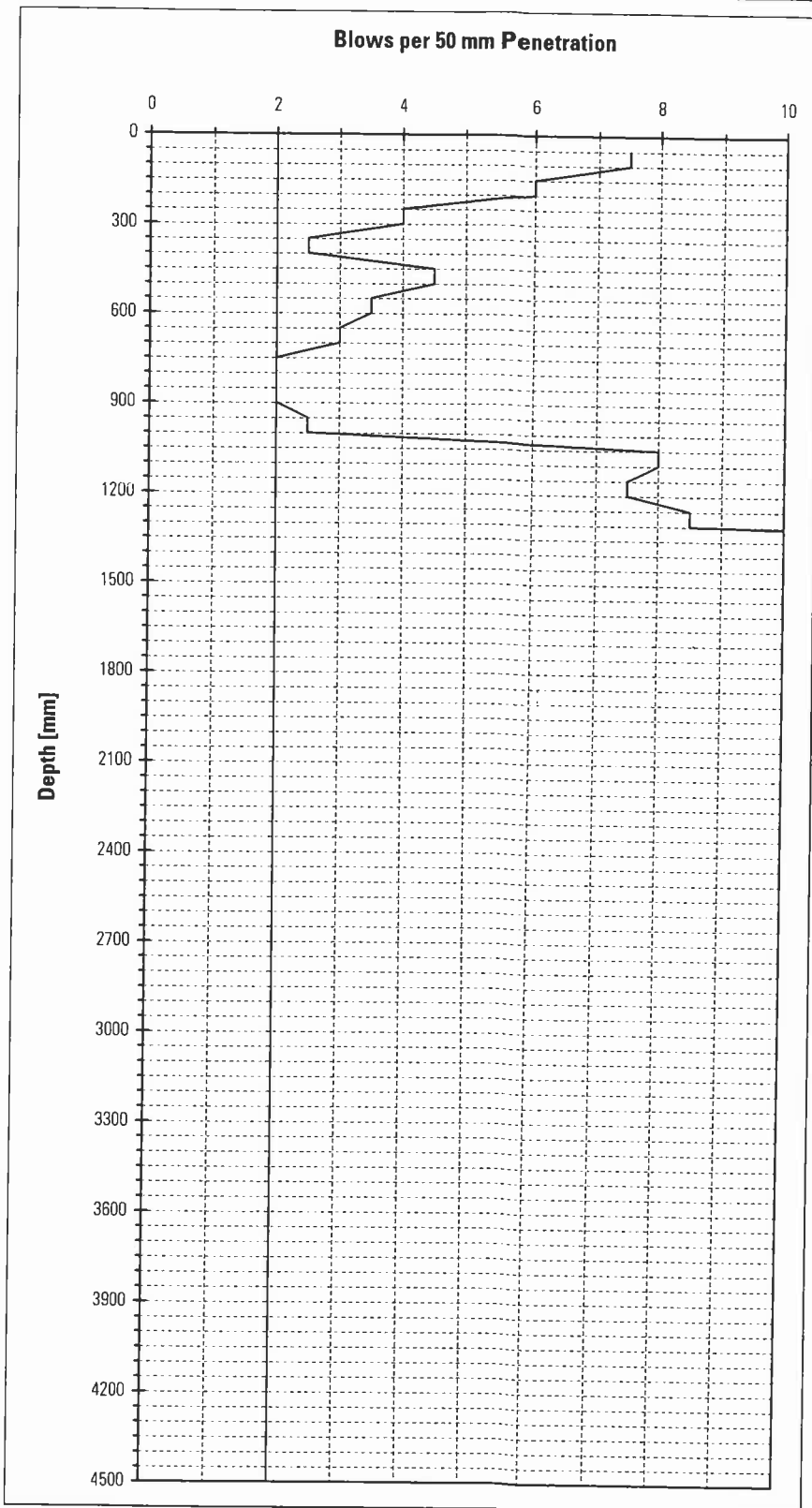
Refer attached site plan.

RL:

Notes:

Effective refusal at 1350mm (19 blows for 50mm).

Depth (mm)	Blows (no.)	Depth (mm)	Blows (no.)
50	7.5	2300	
100	7.5	2350	
150	6	2400	
200	6	2450	
250	4	2500	
300	4	2550	
350	2.5	2600	
400	2.5	2650	
450	4.5	2700	
500	4.5	2750	
550	3.5	2800	
600	3.5	2850	
650	3	2900	
700	3	2950	
750	2	3000	
800	2	3050	
850	2	3100	
900	2	3150	
950	2.5	3200	
1000	2.5	3250	
1050	8	3300	
1100	8	3350	
1150	7.5	3400	
1200	7.5	3450	
1250	8.5	3500	
1300	8.5	3550	
1350	19	3600	
1400		3650	
1450		3700	
1500		3750	
1550		3800	
1600		3850	
1650		3900	
1700		3950	
1750		4000	
1800		4050	
1850		4100	
1900		4150	
1950		4200	
2000		4250	
2050		4300	
2100		4350	
2150		4400	
2200		4450	
2250		4500	



PROBE DESCRIPTION:
 9 kg Hammer falling half a metre to a steel anvil, driving a 16 mm diameter rod fitted with a 20 mm diameter cone.

<p>Connell Wagner Limited 102 Customhouse Quay PO Box 1591 Wellington New Zealand</p> <p>Telephone +64 4 472 9589 Facsimile +64 4 472 9922 Email cwvel@wel.conwag.co.nz</p>	Client	Windflow Technology		SCALA PROBE	
	Location	Long Gully Wind Farm		No.	SP 7
	Tester	Alan Wightman		Date	19.11.08
				Job Number	35540.003
					A 4 1

Site Description:

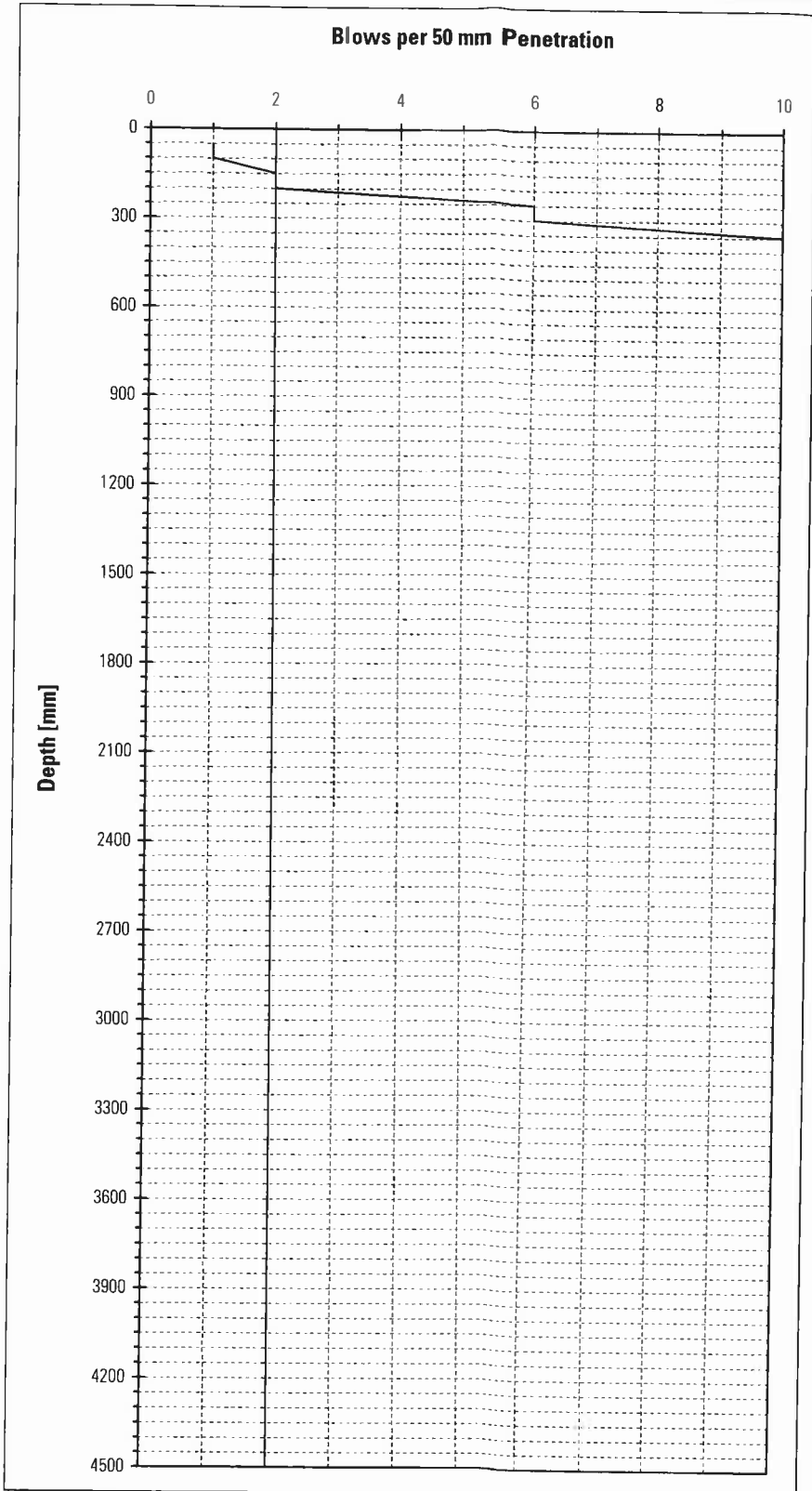
Refer attached site plan.

RL:

Notes:

Effective refusal at 320mm (10 blows for 20mm).

Depth (mm)	Blows (no.)	Depth (mm)	Blows (no.)
50	1	2300	
100	1	2350	
150	2	2400	
200	2	2450	
250	6	2500	
300	6	2550	
350	10	2600	
400		2650	
450		2700	
500		2750	
550		2800	
600		2850	
650		2900	
700		2950	
750		3000	
800		3050	
850		3100	
900		3150	
950		3200	
1000		3250	
1050		3300	
1100		3350	
1150		3400	
1200		3450	
1250		3500	
1300		3550	
1350		3600	
1400		3650	
1450		3700	
1500		3750	
1550		3800	
1600		3850	
1650		3900	
1700		3950	
1750		4000	
1800		4050	
1850		4100	
1900		4150	
1950		4200	
2000		4250	
2050		4300	
2100		4350	
2150		4400	
2200		4450	
2250		4500	



PROBE DESCRIPTION:
 9 kg Hammer falling half a metre to a steel anvil, driving a 16 mm diameter rod fitted with a 20 mm diameter cone.

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Client: **Windflow Technology**

Location: **Long Gully Wind Farm**

Tester: **Alan Wightman**

SCALA PROBE

No: **SP 9A**

Date: **19.11.08**

Job Number: **35540.003**

Rev: **4**

Rev: **1**

Site Description:

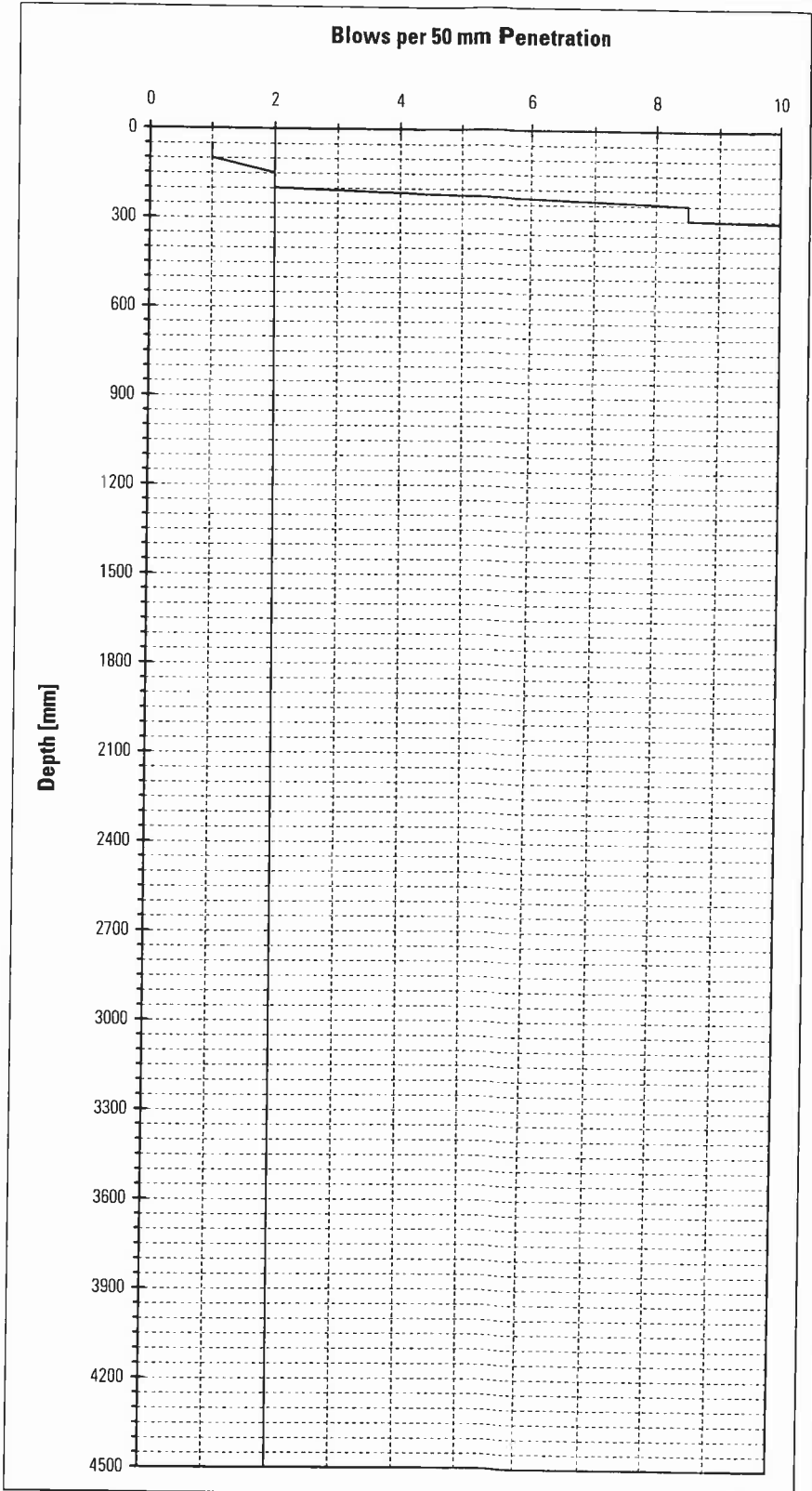
Refer attached site plan.

RL:

Notes:

Effective refusal at 360mm (20 blows for 60mm).

Depth (mm)	Blows (no.)	Depth (mm)	Blows (no.)
50	1	2300	
100	1	2350	
150	2	2400	
200	2	2450	
250	8.5	2500	
300	8.5	2550	
350	17	2600	
400		2650	
450		2700	
500		2750	
550		2800	
600		2850	
650		2900	
700		2950	
750		3000	
800		3050	
850		3100	
900		3150	
950		3200	
1000		3250	
1050		3300	
1100		3350	
1150		3400	
1200		3450	
1250		3500	
1300		3550	
1350		3600	
1400		3650	
1450		3700	
1500		3750	
1550		3800	
1600		3850	
1650		3900	
1700		3950	
1750		4000	
1800		4050	
1850		4100	
1900		4150	
1950		4200	
2000		4250	
2050		4300	
2100		4350	
2150		4400	
2200		4450	
2250		4500	



PROBE DESCRIPTION:
 9 kg Hammer falling half a metre to a steel anvil, driving a 16 mm diameter rod fitted with a 20 mm diameter cone.

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	<p>Long Gully Wind Farm</p>	<p>SP 9B</p>	<p>A 4</p>
	<p>Alan Wightman</p>	<p>19.11.08</p>	<p>35540.003</p>

Site Description:

Refer attached site plan.

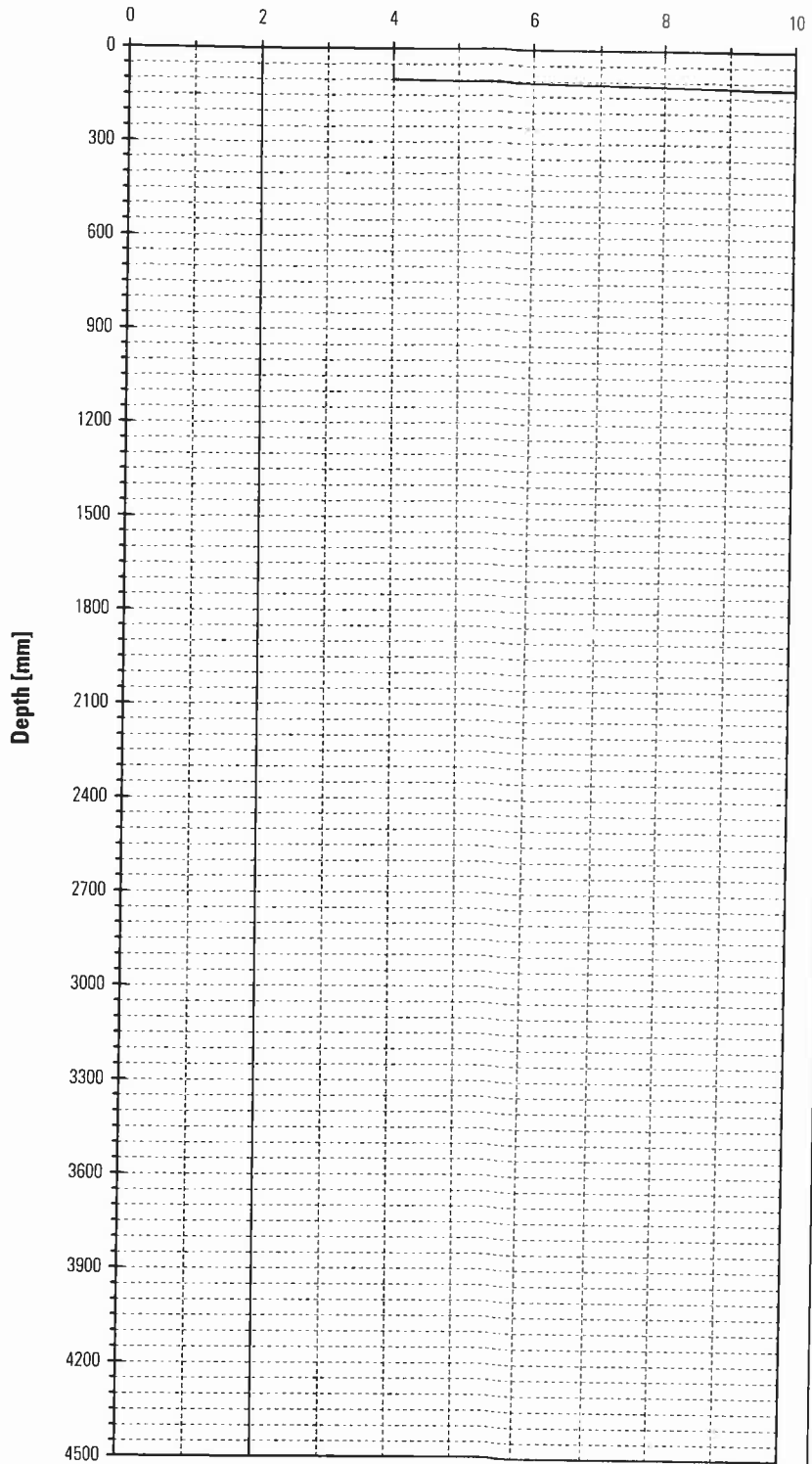
RL:

Notes:

Effective refusal at 160mm (20 blows for 60mm).

Depth (mm)	Blows (no.)	Depth (mm)	Blows (no.)
50	4	2300	
100	4	2350	
150	17	2400	
200		2450	
250		2500	
300		2550	
350		2600	
400		2650	
450		2700	
500		2750	
550		2800	
600		2850	
650		2900	
700		2950	
750		3000	
800		3050	
850		3100	
900		3150	
950		3200	
1000		3250	
1050		3300	
1100		3350	
1150		3400	
1200		3450	
1250		3500	
1300		3550	
1350		3600	
1400		3650	
1450		3700	
1500		3750	
1550		3800	
1600		3850	
1650		3900	
1700		3950	
1750		4000	
1800		4050	
1850		4100	
1900		4150	
1950		4200	
2000		4250	
2050		4300	
2100		4350	
2150		4400	
2200		4450	
2250		4500	

Blows per 50 mm Penetration



PROBE DESCRIPTION:

9 kg Hammer falling half a metre to a steel anvil, driving a 16 mm diameter rod fitted with a 20 mm diameter cone.

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Windflow Technology

Long Gully Wind Farm

Alan Wightman

SCALA PROBE

SP 10

19.11.08

35540.003

**A
4
1**

Site Description:

Refer attached site plan.

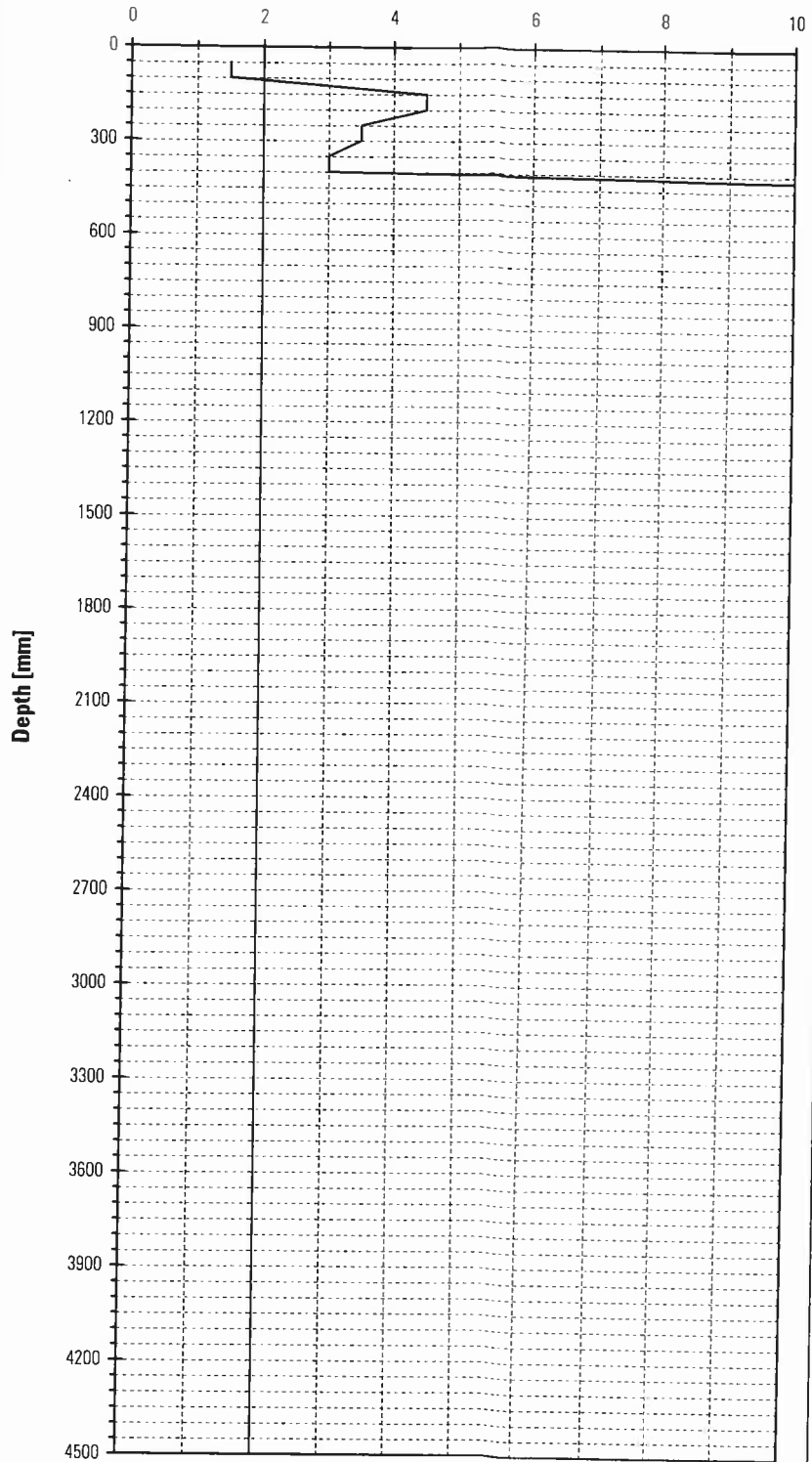
RL:

Notes:

Effective refusal at 450mm (20 blows for 50mm).

Depth (mm)	Blows (no.)	Depth (mm)	Blows (no.)
50	1.5	2300	
100	1.5	2350	
150	4.5	2400	
200	4.5	2450	
250	3.5	2500	
300	3.5	2550	
350	3	2600	
400	3	2650	
450	20	2700	
500		2750	
550		2800	
600		2850	
650		2900	
700		2950	
750		3000	
800		3050	
850		3100	
900		3150	
950		3200	
1000		3250	
1050		3300	
1100		3350	
1150		3400	
1200		3450	
1250		3500	
1300		3550	
1350		3600	
1400		3650	
1450		3700	
1500		3750	
1550		3800	
1600		3850	
1650		3900	
1700		3950	
1750		4000	
1800		4050	
1850		4100	
1900		4150	
1950		4200	
2000		4250	
2050		4300	
2100		4350	
2150		4400	
2200		4450	
2250		4500	

Blows per 50 mm Penetration



PROBE DESCRIPTION:

9 kg Hammer falling half a metre to a steel anvil, driving a 16 mm diameter rod fitted with a 20 mm diameter cone.

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Client

Windflow Technology

Location

Long Gully Wind Farm

Factor

Alan Wightman

SCALA PROBE

SP 12A

Rev

A

4

Date

19.11.08

Job Number

35540.003

Rev

1

Site Description:

Refer attached site plan.

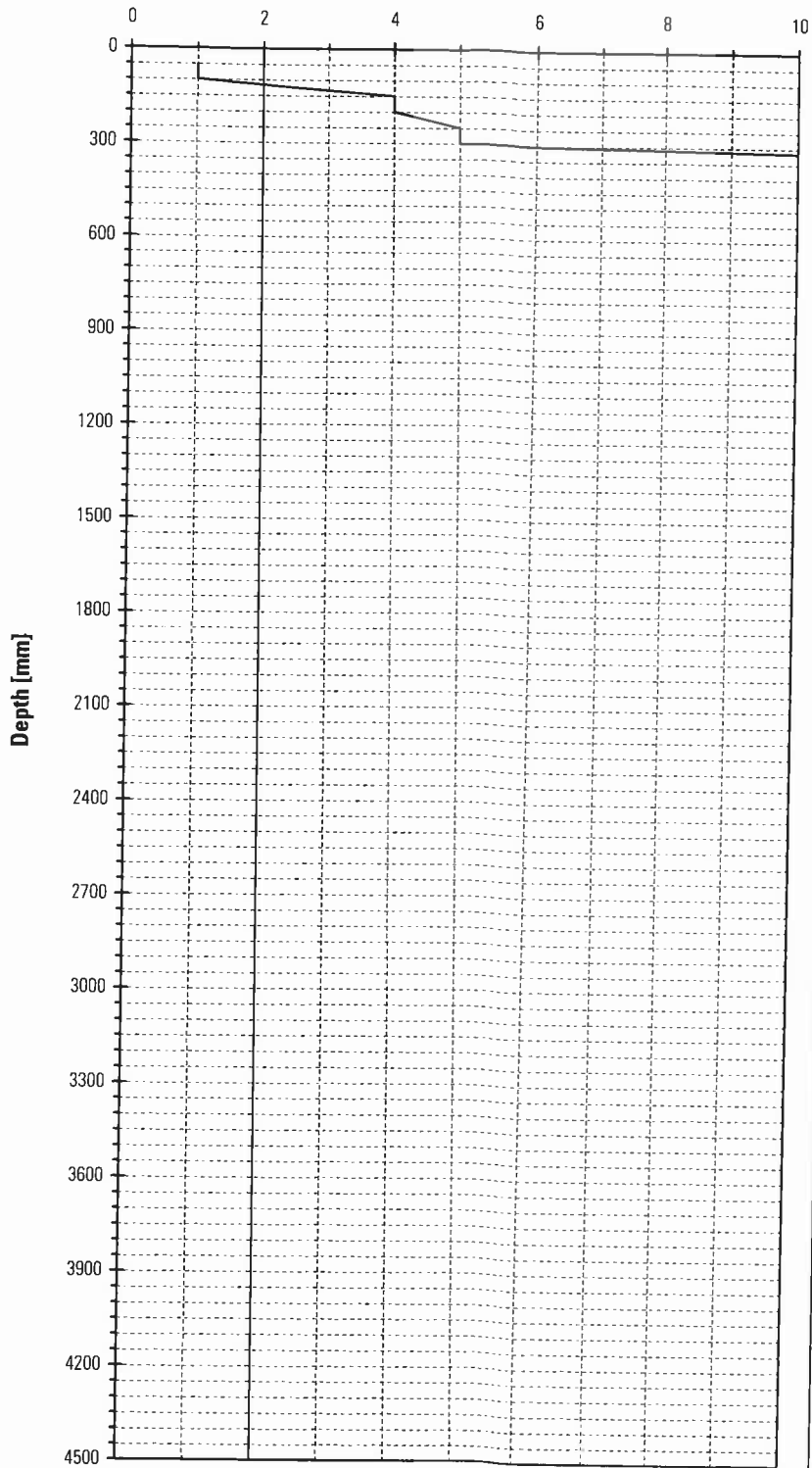
RL:

Notes:

Effective refusal at 340mm (20 blows for 40mm).

Depth (mm)	Blows (no.)	Depth (mm)	Blows (no.)
50	1	2300	
100	1	2350	
150	4	2400	
200	4	2450	
250	5	2500	
300	5	2550	
350	20	2600	
400		2650	
450		2700	
500		2750	
550		2800	
600		2850	
650		2900	
700		2950	
750		3000	
800		3050	
850		3100	
900		3150	
950		3200	
1000		3250	
1050		3300	
1100		3350	
1150		3400	
1200		3450	
1250		3500	
1300		3550	
1350		3600	
1400		3650	
1450		3700	
1500		3750	
1550		3800	
1600		3850	
1650		3900	
1700		3950	
1750		4000	
1800		4050	
1850		4100	
1900		4150	
1950		4200	
2000		4250	
2050		4300	
2100		4350	
2150		4400	
2200		4450	
2250		4500	

Blows per 50 mm Penetration



PROBE DESCRIPTION:

9 kg Hammer falling half a metre to a steel anvil, driving a 16 mm diameter rod fitted with a 20 mm diameter cone.

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Client	Windflow Technology		SCALA PROBE	
Location	Long Gully Wind Farm		No	SP 12B
Tester	Alan Wightman		Date	19.11.08
			Job Number	35540.003
			Rev	4
				1

Site Description:

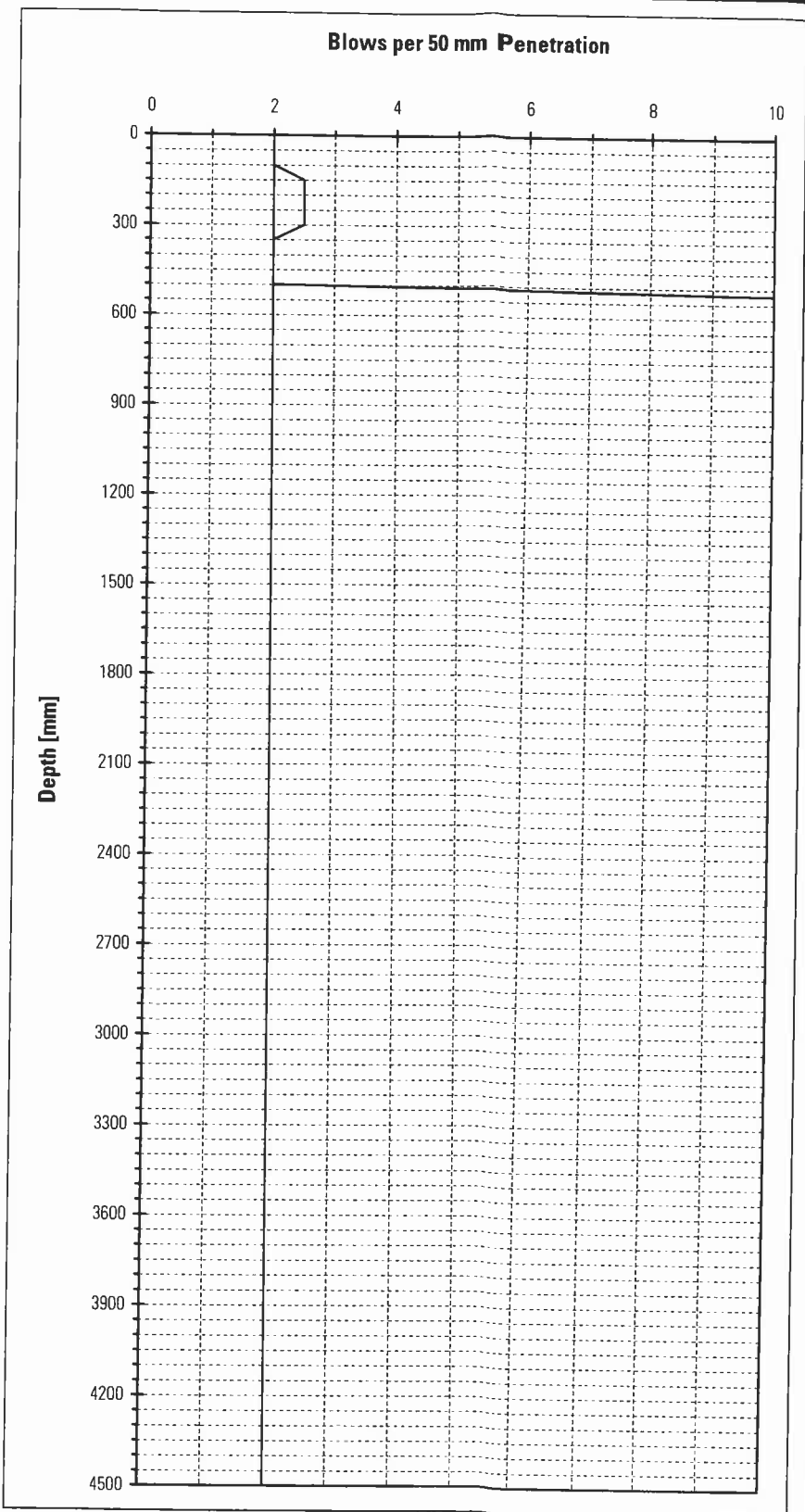
Refer attached site plan.

RL:

Notes:

Effective refusal at 550m (20 blows for 50mm).

Depth (mm)	Blows (no.)	Depth (mm)	Blows (no.)
50	2	2300	
100	2	2350	
150	2.5	2400	
200	2.5	2450	
250	2.5	2500	
300	2.5	2550	
350	2	2600	
400	2	2650	
450	2	2700	
500	2	2750	
550	20	2800	
600		2850	
650		2900	
700		2950	
750		3000	
800		3050	
850		3100	
900		3150	
950		3200	
1000		3250	
1050		3300	
1100		3350	
1150		3400	
1200		3450	
1250		3500	
1300		3550	
1350		3600	
1400		3650	
1450		3700	
1500		3750	
1550		3800	
1600		3850	
1650		3900	
1700		3950	
1750		4000	
1800		4050	
1850		4100	
1900		4150	
1950		4200	
2000		4250	
2050		4300	
2100		4350	
2150		4400	
2200		4450	
2250		4500	



PROBE DESCRIPTION:
 9 kg Hammer falling half a metre to a steel anvil, driving a 16 mm diameter rod fitted with a 20 mm diameter cone.

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Client	Windflow Technology
Location	Long Gully Wind Farm
Tester	Alan Wightman

SCALA PROBE	
SP 13A	A4
Date: 19.11.08	Job Number: 35540.003
	Rev: 1

Site Description:

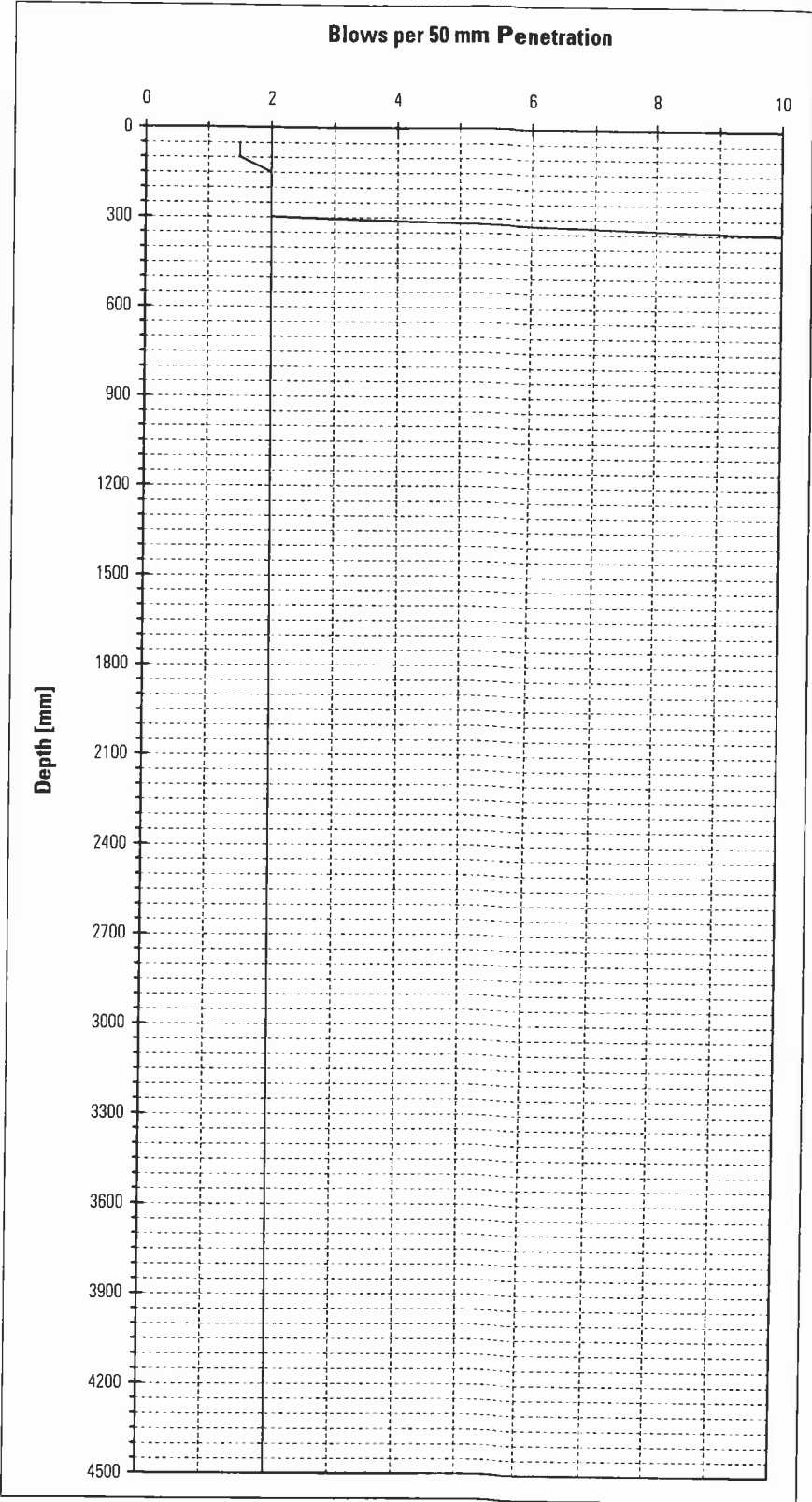
Refer attached site plan.

RL:

Notes:

Effective refusal at 380mm (20 blows for 80mm).

Depth (mm)	Blows (no.)	Depth (mm)	Blows (no.)
50	1.5	2300	
100	1.5	2350	
150	2	2400	
200	2	2450	
250	2	2500	
300	2	2550	
350	10	2600	
400	10	2650	
450		2700	
500		2750	
550		2800	
600		2850	
650		2900	
700		2950	
750		3000	
800		3050	
850		3100	
900		3150	
950		3200	
1000		3250	
1050		3300	
1100		3350	
1150		3400	
1200		3450	
1250		3500	
1300		3550	
1350		3600	
1400		3650	
1450		3700	
1500		3750	
1550		3800	
1600		3850	
1650		3900	
1700		3950	
1750		4000	
1800		4050	
1850		4100	
1900		4150	
1950		4200	
2000		4250	
2050		4300	
2100		4350	
2150		4400	
2200		4450	
2250		4500	



PROBE DESCRIPTION:
9 kg Hammer falling half a metre to a steel anvil, driving a 16 mm diameter rod fitted with a 20 mm diameter cone.

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	Location	Long Gully Wind Farm		No.	SP 13B
	Tester	Alan Wightman		Date	19.11.08
				Job Number	35540.003
				Rev.	4
					1

Site Description:

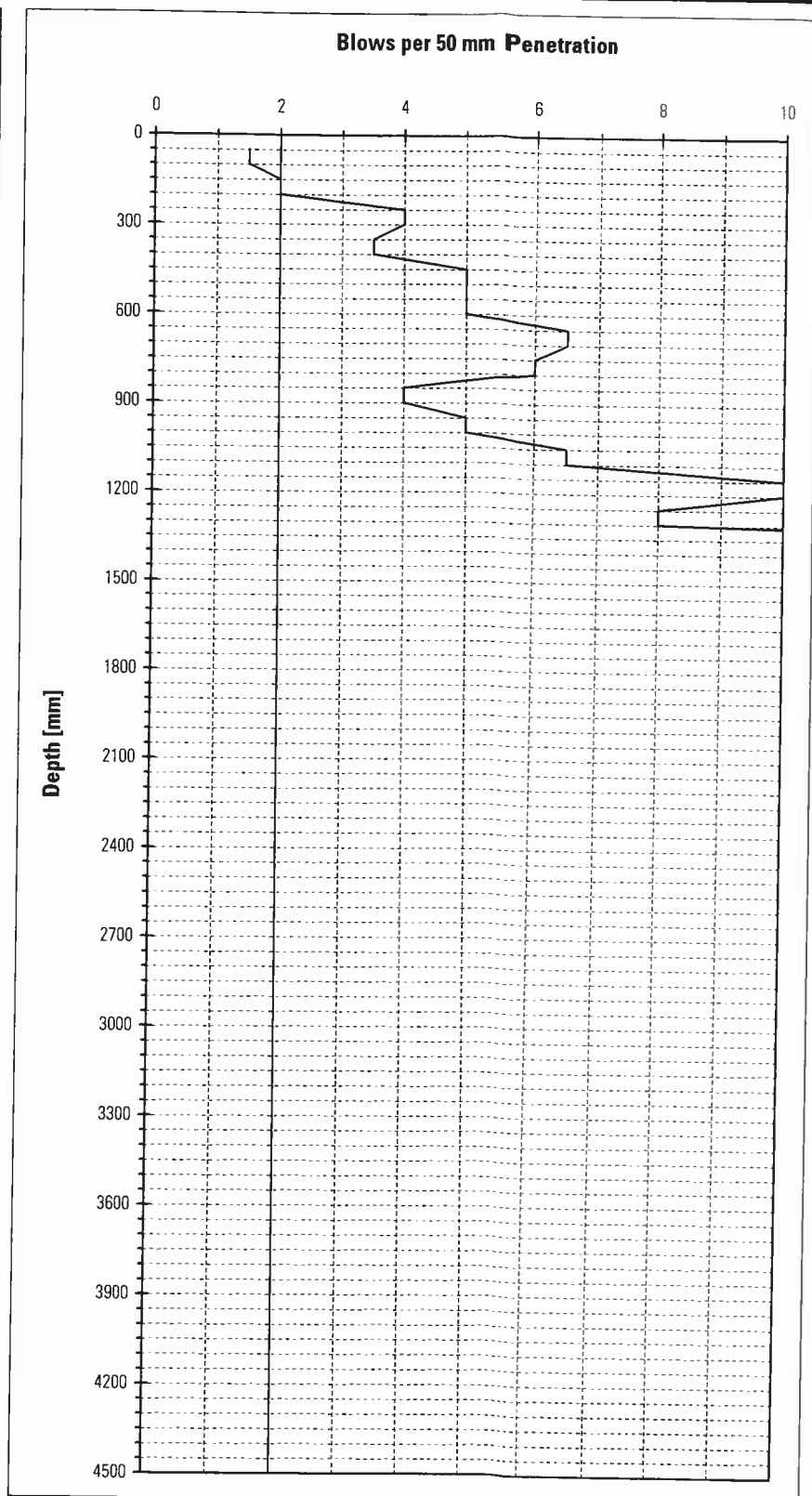
Refer attached site plan.

RL:

Notes:

Effective refusal at 1350mm (20 blows for 50mm).

Depth (mm)	Blows (no.)	Depth (mm)	Blows (no.)
50	1.5	2300	
100	1.5	2350	
150	2	2400	
200	2	2450	
250	4	2500	
300	4	2550	
350	3.5	2600	
400	3.5	2650	
450	5	2700	
500	5	2750	
550	5	2800	
600	5	2850	
650	6.5	2900	
700	6.5	2950	
750	6	3000	
800	6	3050	
850	4	3100	
900	4	3150	
950	5	3200	
1000	5	3250	
1050	6.5	3300	
1100	6.5	3350	
1150	10	3400	
1200	10	3450	
1250	8	3500	
1300	8	3550	
1350	20	3600	
1400		3650	
1450		3700	
1500		3750	
1550		3800	
1600		3850	
1650		3900	
1700		3950	
1750		4000	
1800		4050	
1850		4100	
1900		4150	
1950		4200	
2000		4250	
2050		4300	
2100		4350	
2150		4400	
2200		4450	
2250		4500	



PROBE DESCRIPTION:
 9 kg Hammer falling half a metre to a steel anvil, driving a 16 mm diameter rod fitted with a 20 mm diameter cone.

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Client: **Windflow Technology**

Location: **Long Gully Wind Farm**

Tester: **Alan Wightman**

SCALA PROBE

SP 16

Date: **19.11.08**

Job Number: **35540.003**

Rev: **4**

Rev: **1**

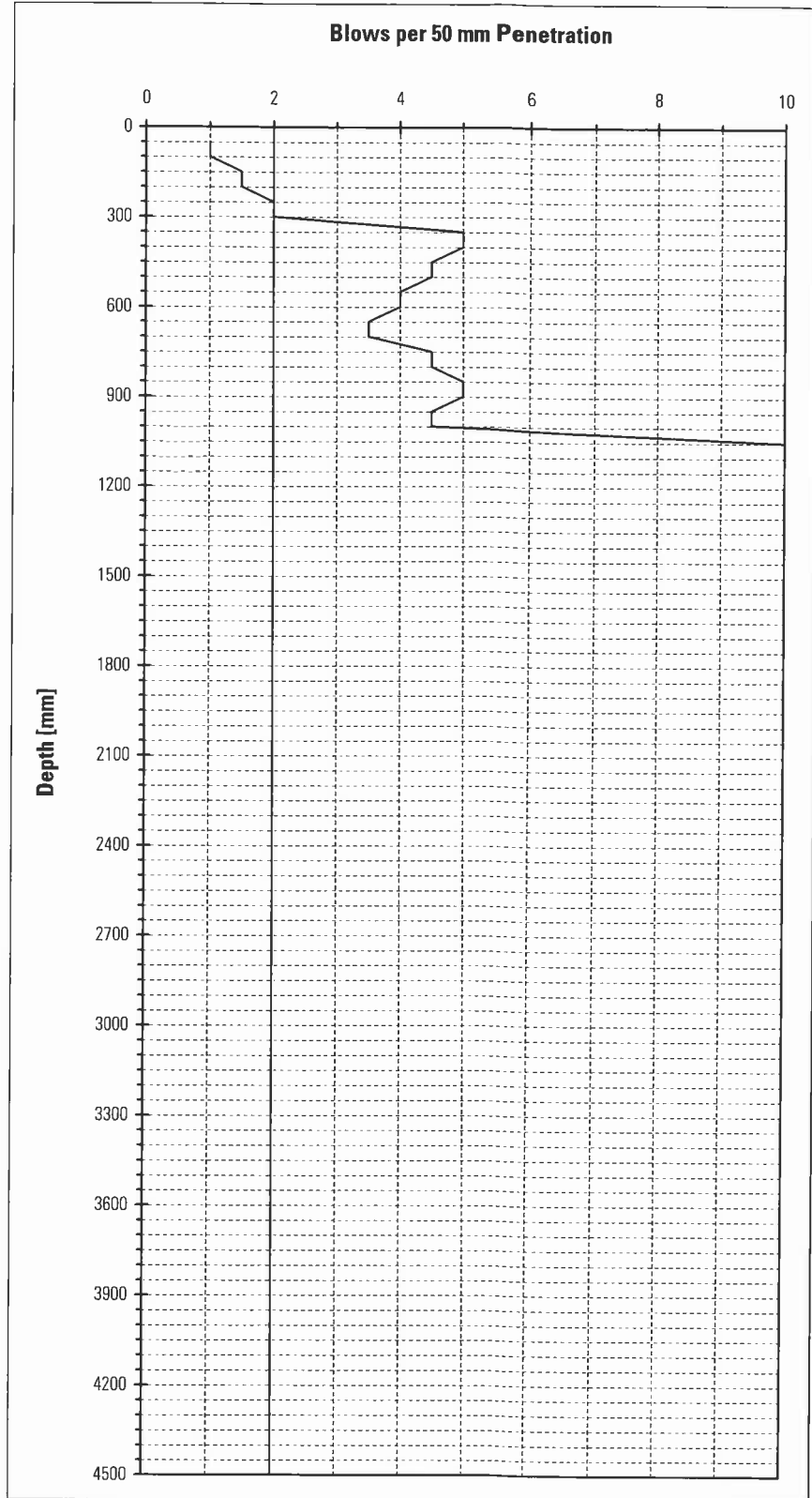
Site Description:

Refer attached site plan.

RL:

Notes:

Effective refusal at 1090mm (20 blows for 90mm).



Depth (mm)	Blows (no.)	Depth (mm)	Blows (no.)
50	1	2300	
100	1	2350	
150	1.5	2400	
200	1.5	2450	
250	2	2500	
300	2	2550	
350	5	2600	
400	5	2650	
450	4.5	2700	
500	4.5	2750	
550	4	2800	
600	4	2850	
650	3.5	2900	
700	3.5	2950	
750	4.5	3000	
800	4.5	3050	
850	5	3100	
900	5	3150	
950	4.5	3200	
1000	4.5	3250	
1050	10	3300	
1100	10	3350	
1150		3400	
1200		3450	
1250		3500	
1300		3550	
1350		3600	
1400		3650	
1450		3700	
1500		3750	
1550		3800	
1600		3850	
1650		3900	
1700		3950	
1750		4000	
1800		4050	
1850		4100	
1900		4150	
1950		4200	
2000		4250	
2050		4300	
2100		4350	
2150		4400	
2200		4450	
2250		4500	

PROBE DESCRIPTION:
 9 kg Hammer falling half a metre to a steel anvil, driving a 16 mm diameter rod fitted with a 20 mm diameter cone.

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	Location	Long Gully Wind Farm		No	SP 18	A	
	Tester	Alan Wightman		Date	19.11.08	Job Number	35540.003
						Rev.	4
							1

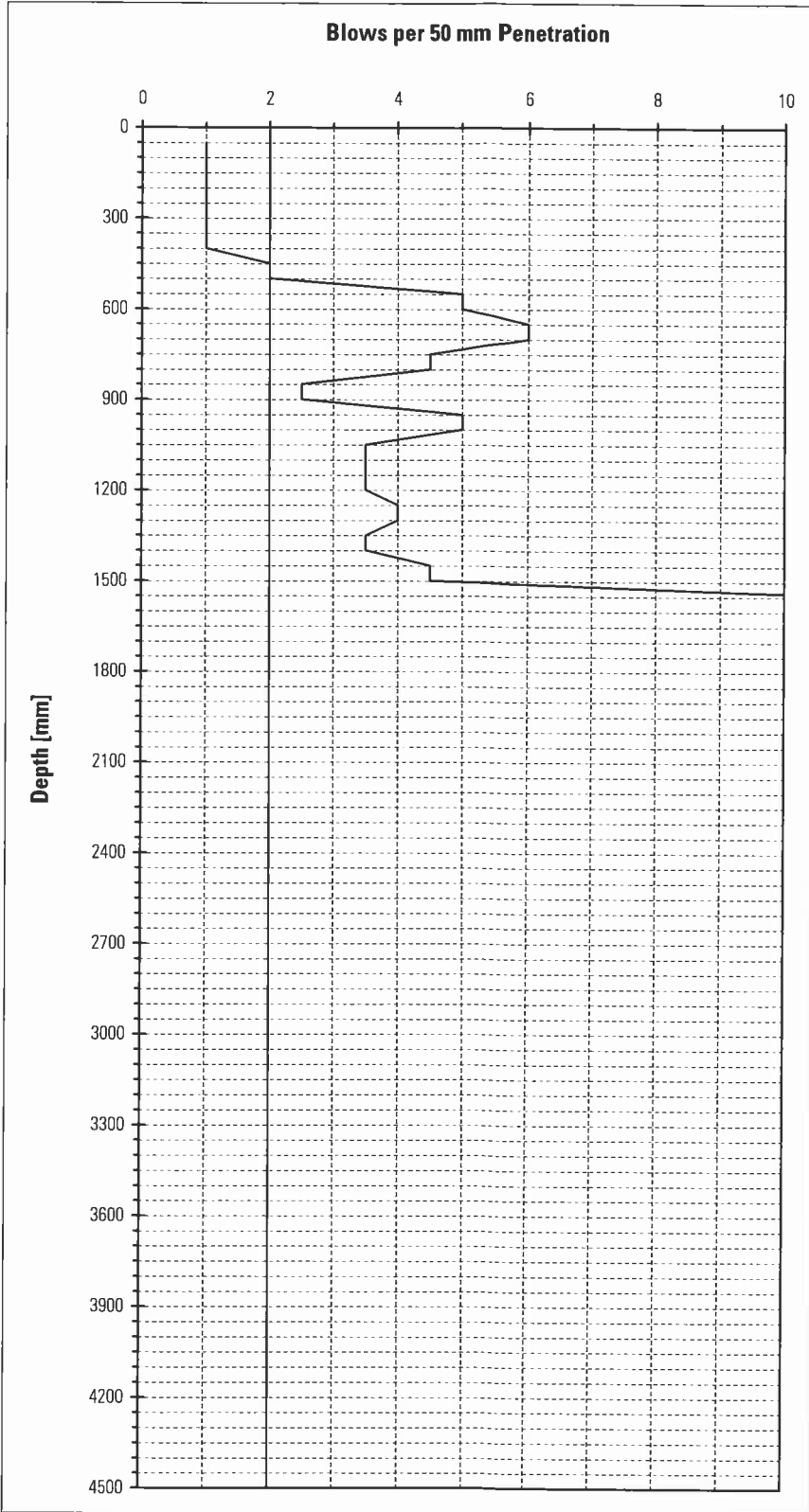
Site Description:

Refer attached site plan.

RL:

Notes:

Effective refusal at 1600mm (23 blows for 00mm).



Depth (mm)	Blows (no.)	Depth (mm)	Blows (no.)
50	1	2300	
100	1	2350	
150	1	2400	
200	1	2450	
250	1	2500	
300	1	2550	
350	1	2600	
400	1	2650	
450	2	2700	
500	2	2750	
550	5	2800	
600	5	2850	
650	6	2900	
700	6	2950	
750	4.5	3000	
800	4.5	3050	
850	2.5	3100	
900	2.5	3150	
950	5	3200	
1000	5	3250	
1050	3.5	3300	
1100	3.5	3350	
1150	3.5	3400	
1200	3.5	3450	
1250	4	3500	
1300	4	3550	
1350	3.5	3600	
1400	3.5	3650	
1450	4.5	3700	
1500	4.5	3750	
1550	11.5	3800	
1600	11.5	3850	
1650		3900	
1700		3950	
1750		4000	
1800		4050	
1850		4100	
1900		4150	
1950		4200	
2000		4250	
2050		4300	
2100		4350	
2150		4400	
2200		4450	
2250		4500	

PROBE DESCRIPTION:

9 kg Hammer falling half a metre to a steel anvil, driving a 16 mm diameter rod fitted with a 20 mm diameter cone.

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Client: **Windflow Technology**

Location: **Long Gully Wind Farm**

Tester: **Alan Wightman**

SCALA PROBE

No: **SP 19**

Date: **19.11.08**

Job Number: **35540.003**

Rev: **A 4**

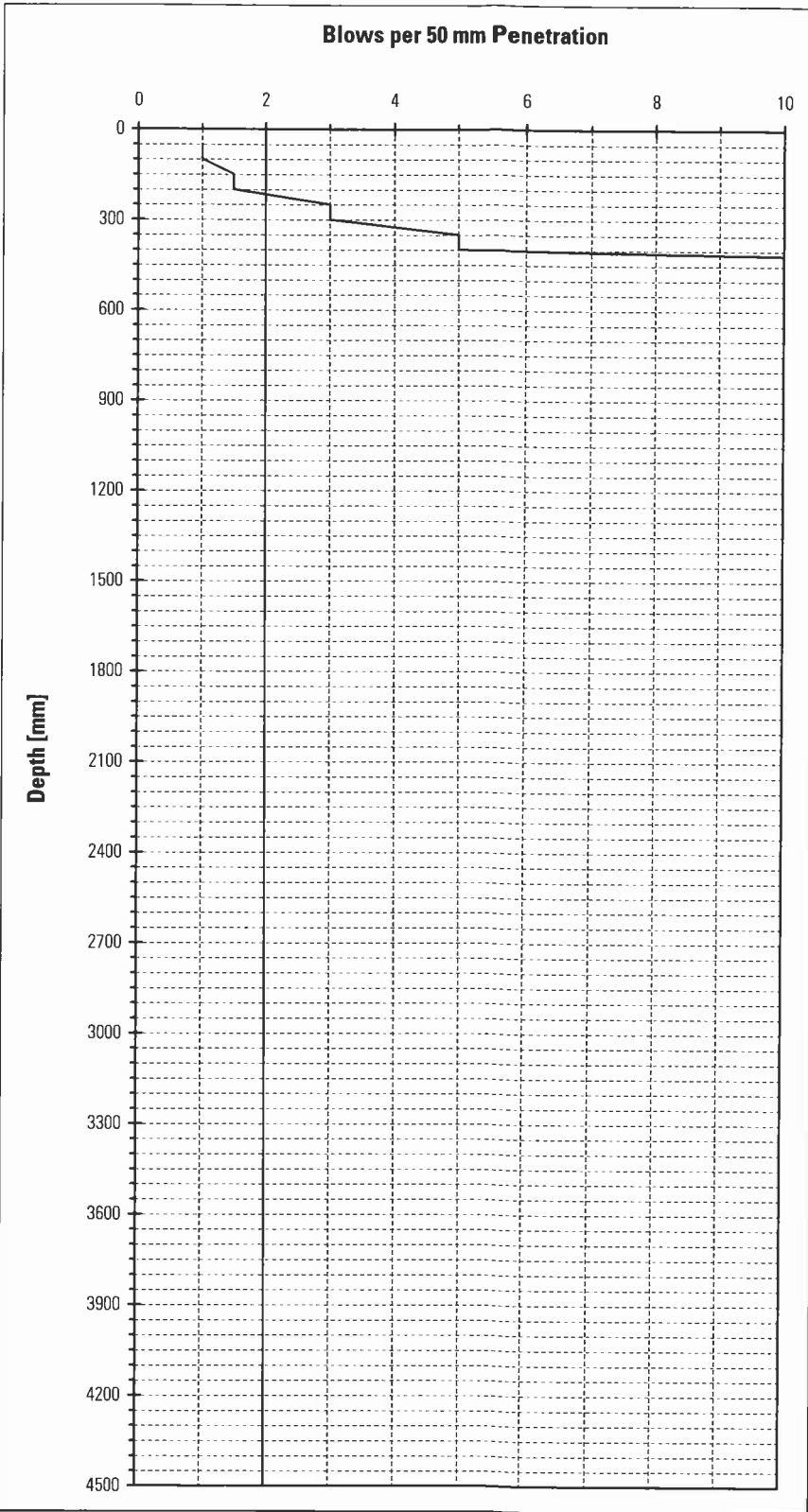
Rev: **1**

Site Description:
Refer attached site plan.

RL:

Notes:
Effective refusal at 450mm (20 blows for 50mm).

Depth (mm)	Blows (no.)	Depth (mm)	Blows (no.)
50	1	2300	
100	1	2350	
150	1.5	2400	
200	1.5	2450	
250	3	2500	
300	3	2550	
350	5	2600	
400	5	2650	
450	20	2700	
500		2750	
550		2800	
600		2850	
650		2900	
700		2950	
750		3000	
800		3050	
850		3100	
900		3150	
950		3200	
1000		3250	
1050		3300	
1100		3350	
1150		3400	
1200		3450	
1250		3500	
1300		3550	
1350		3600	
1400		3650	
1450		3700	
1500		3750	
1550		3800	
1600		3850	
1650		3900	
1700		3950	
1750		4000	
1800		4050	
1850		4100	
1900		4150	
1950		4200	
2000		4250	
2050		4300	
2100		4350	
2150		4400	
2200		4450	
2250		4500	



PROBE DESCRIPTION:
9 kg Hammer falling half a metre to a steel anvil, driving a 16 mm diameter rod fitted with a 20 mm diameter cone.

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Client
Windflow Technology

Location
Long Gully Wind Farm

Tester
Alan Wightman

SCALA PROBE

No
SP 20

Date
20.11.08

Job Number
35540

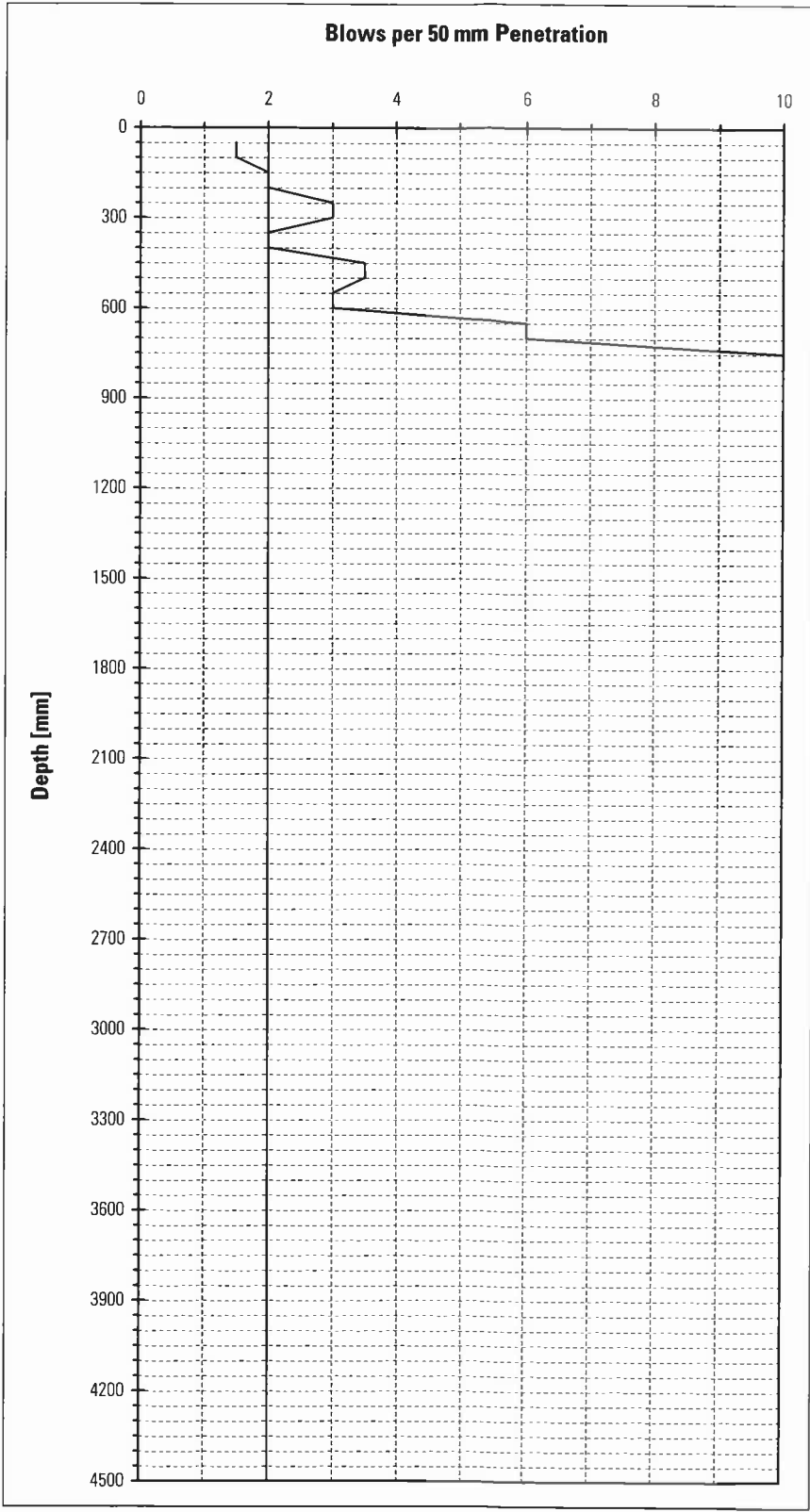
Rev
**A
4
1**

Site Description:
Refer attached site plan.

RL:

Notes:
Effective refusal at 790mm (20 blows for 90mm).

Depth (mm)	Blows (no.)	Depth (mm)	Blows (no.)
50	1.5	2300	
100	1.5	2350	
150	2	2400	
200	2	2450	
250	3	2500	
300	3	2550	
350	2	2600	
400	2	2650	
450	3.5	2700	
500	3.5	2750	
550	3	2800	
600	3	2850	
650	6	2900	
700	6	2950	
750	10	3000	
800	10	3050	
850		3100	
900		3150	
950		3200	
1000		3250	
1050		3300	
1100		3350	
1150		3400	
1200		3450	
1250		3500	
1300		3550	
1350		3600	
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1450		3700	
1500		3750	
1550		3800	
1600		3850	
1650		3900	
1700		3950	
1750		4000	
1800		4050	
1850		4100	
1900		4150	
1950		4200	
2000		4250	
2050		4300	
2100		4350	
2150		4400	
2200		4450	
2250		4500	



PROBE DESCRIPTION:
9 kg Hammer falling half a metre to a steel anvil, driving a 16 mm diameter rod fitted with a 20 mm diameter cone.

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Client:	Windflow Technology
Location:	Long Gully Wind Farm
Tester:	Alan Wightman

SCALA PROBE	
No:	SP 21
Date:	20.11.08
Job Number:	35540
Rev:	1

Site Description:

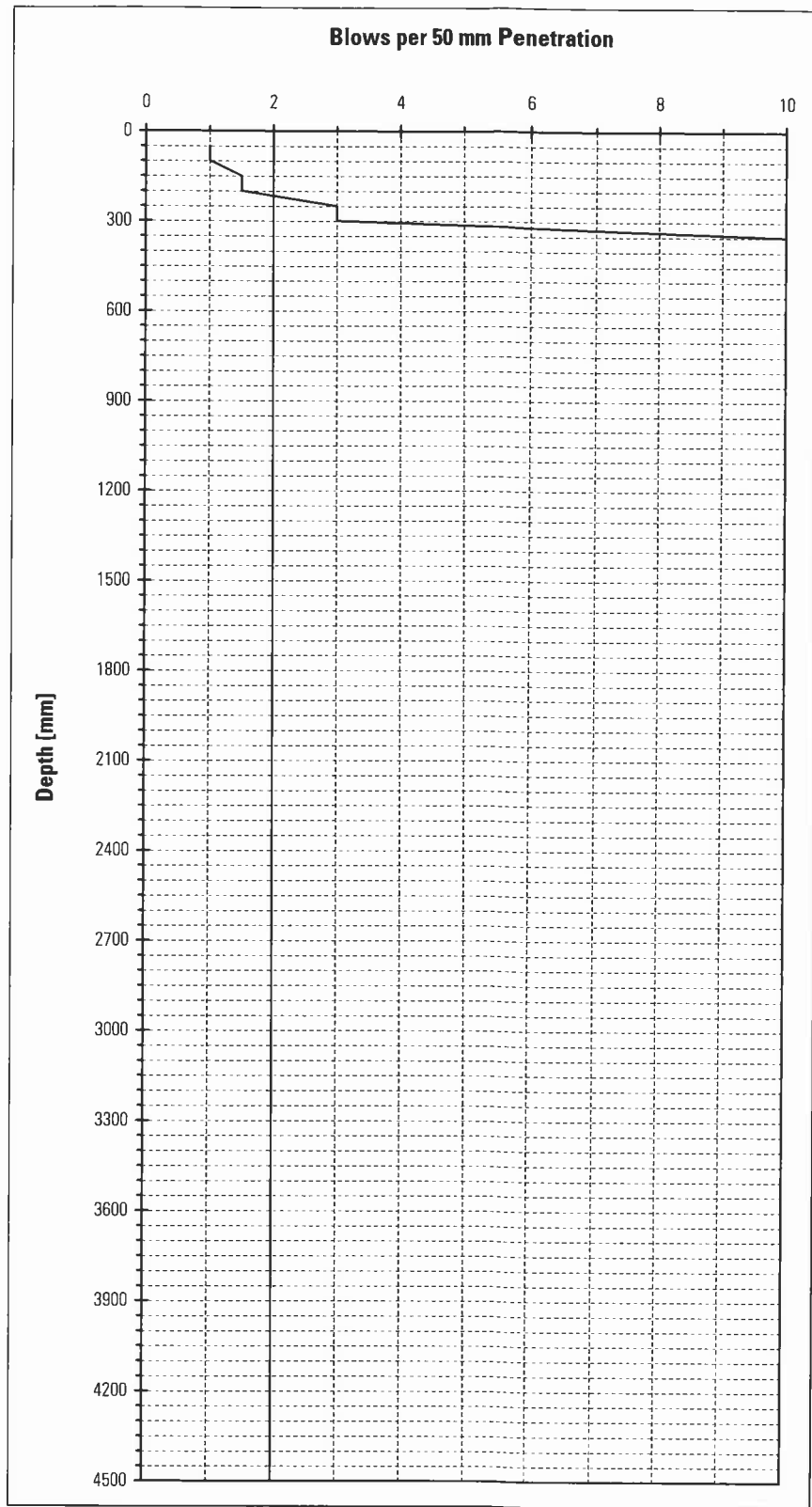
Refer attached site plan.

RL:

Notes:

Effective refusal at 400mm (20 blows for 100mm).

Depth (mm)	Blows (no.)	Depth (mm)	Blows (no.)
50	1	2300	
100	1	2350	
150	1.5	2400	
200	1.5	2450	
250	3	2500	
300	3	2550	
350	10	2600	
400	10	2650	
450		2700	
500		2750	
550		2800	
600		2850	
650		2900	
700		2950	
750		3000	
800		3050	
850		3100	
900		3150	
950		3200	
1000		3250	
1050		3300	
1100		3350	
1150		3400	
1200		3450	
1250		3500	
1300		3550	
1350		3600	
1400		3650	
1450		3700	
1500		3750	
1550		3800	
1600		3850	
1650		3900	
1700		3950	
1750		4000	
1800		4050	
1850		4100	
1900		4150	
1950		4200	
2000		4250	
2050		4300	
2100		4350	
2150		4400	
2200		4450	
2250		4500	



PROBE DESCRIPTION:
 9 kg Hammer falling half a metre to a steel anvil, driving a 16 mm diameter rod fitted with a 20 mm diameter cone.

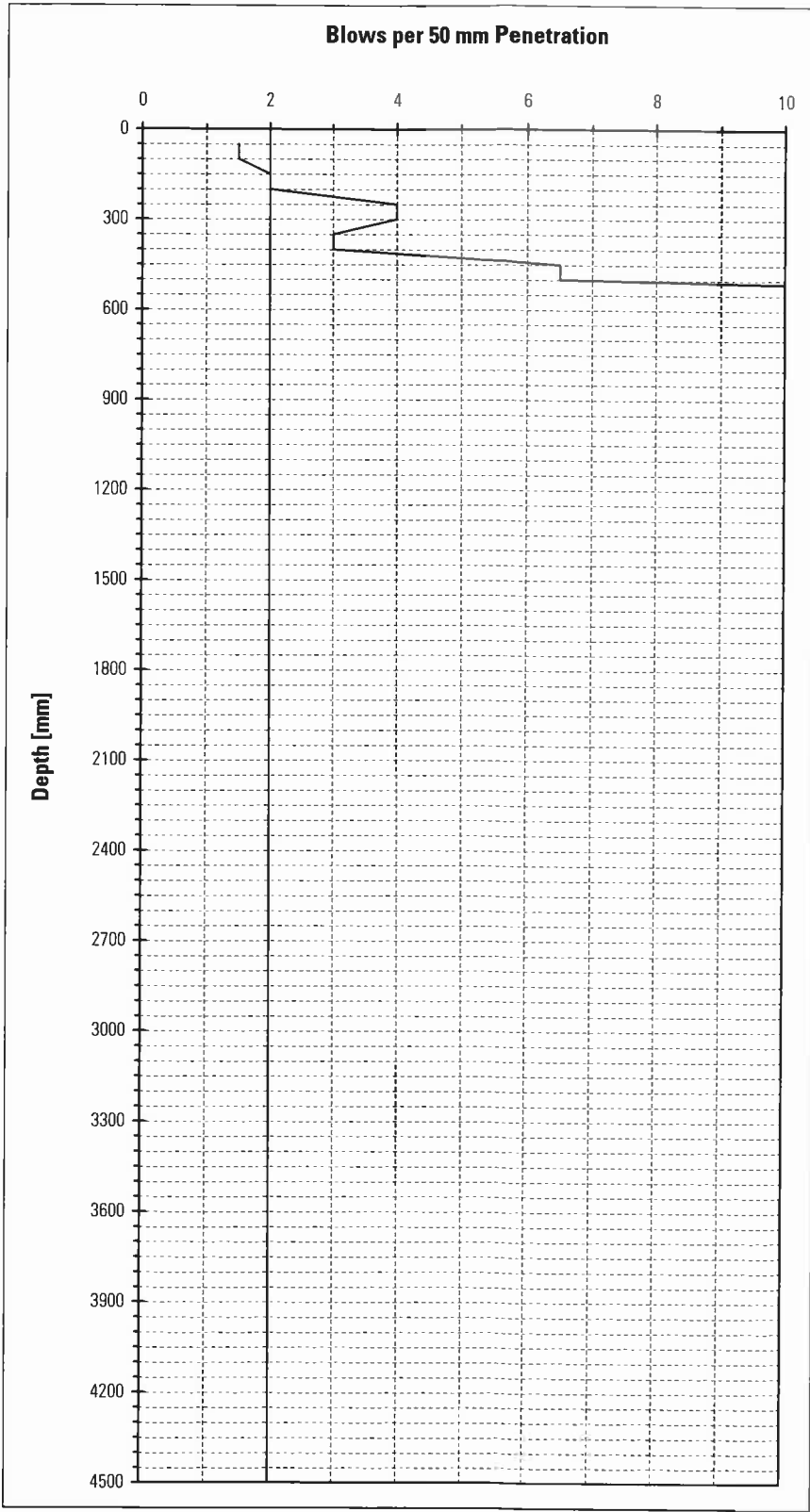
<p>Connell Wagner Limited 102 Customhouse Quay PO Box 1591 Wellington New Zealand</p> <p>Telephone +64 4 472 9589 Facsimile +64 4 472 9922 Email cwwel@wvel.connellwagner.co.nz</p>	Client	Windflow Technology		SCALA PROBE		
	Location	Long Gully Wind Farm		No.	SP 22	A
	Tester	Alan Wightman		Date	20.11.08	Job Number
						1

Site Description:
Refer attached site plan.

RL:

Notes:
Effective refusal at 540mm (20 blows for 40mm).

Depth (mm)	Blows (no.)	Depth (mm)	Blows (no.)
50	1.5	2300	
100	1.5	2350	
150	2	2400	
200	2	2450	
250	4	2500	
300	4	2550	
350	3	2600	
400	3	2650	
450	6.5	2700	
500	6.5	2750	
550	20	2800	
600		2850	
650		2900	
700		2950	
750		3000	
800		3050	
850		3100	
900		3150	
950		3200	
1000		3250	
1050		3300	
1100		3350	
1150		3400	
1200		3450	
1250		3500	
1300		3550	
1350		3600	
1400		3650	
1450		3700	
1500		3750	
1550		3800	
1600		3850	
1650		3900	
1700		3950	
1750		4000	
1800		4050	
1850		4100	
1900		4150	
1950		4200	
2000		4250	
2050		4300	
2100		4350	
2150		4400	
2200		4450	
2250		4500	



PROBE DESCRIPTION:
9 kg Hammer falling half a metre to a steel anvil, driving a 16 mm diameter rod fitted with a 20 mm diameter cone.

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Client
Windflow Technology
Location
Long Gully Wind Farm
Tester
Alan Wightman

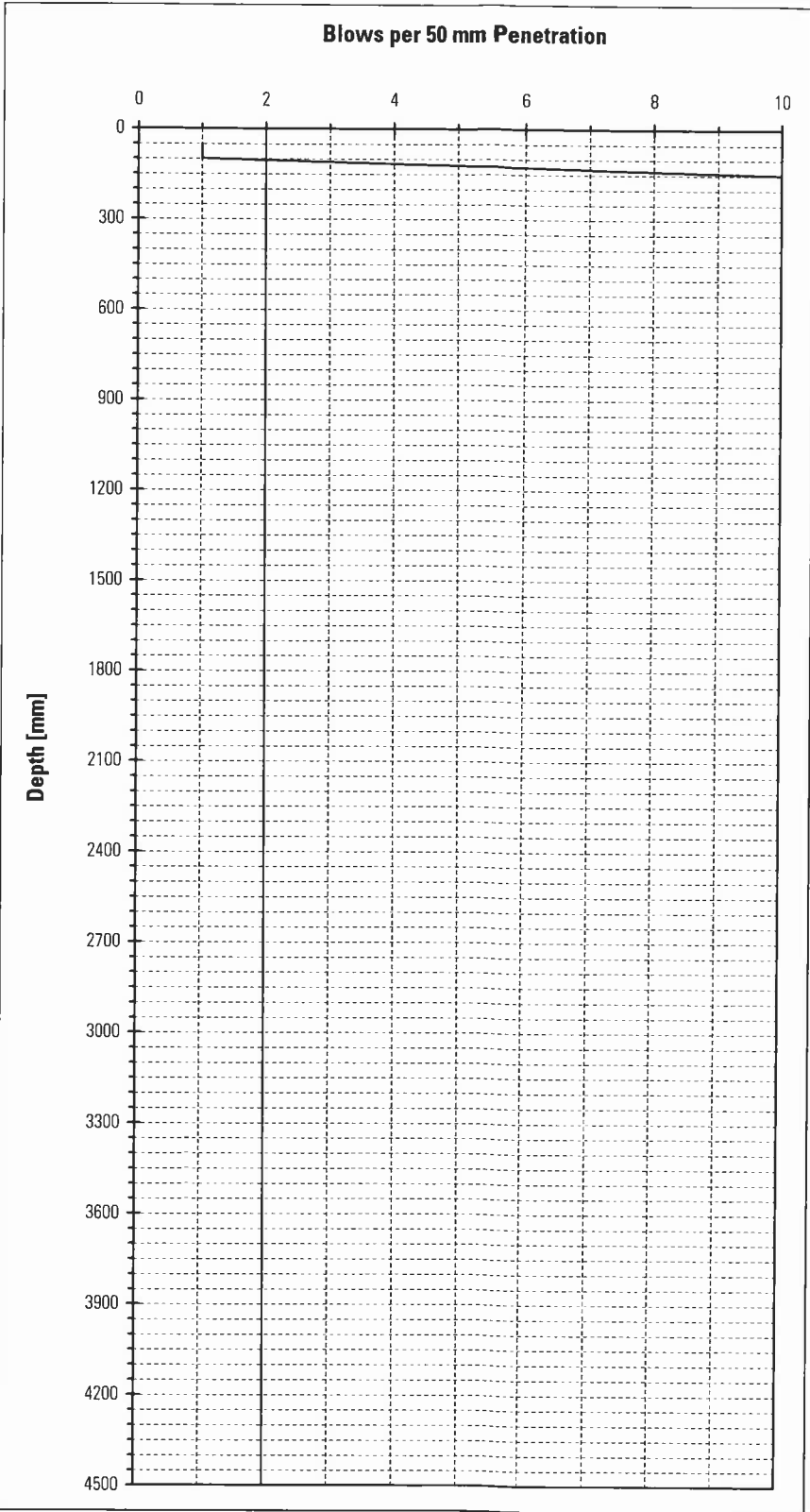
SCALA PROBE
No
SP 24
Date
20.11.08
Job Number
35540
Rev
**A
4
1**

Site Description:
Refer attached site plan.

RL:

Notes:
Effective refusal at 200mm (20 blows for 100mm).

Depth (mm)	Blows (no.)	Depth (mm)	Blows (no.)
50	1	2300	
100	1	2350	
150	10	2400	
200	10	2450	
250		2500	
300		2550	
350		2600	
400		2650	
450		2700	
500		2750	
550		2800	
600		2850	
650		2900	
700		2950	
750		3000	
800		3050	
850		3100	
900		3150	
950		3200	
1000		3250	
1050		3300	
1100		3350	
1150		3400	
1200		3450	
1250		3500	
1300		3550	
1350		3600	
1400		3650	
1450		3700	
1500		3750	
1550		3800	
1600		3850	
1650		3900	
1700		3950	
1750		4000	
1800		4050	
1850		4100	
1900		4150	
1950		4200	
2000		4250	
2050		4300	
2100		4350	
2150		4400	
2200		4450	
2250		4500	



PROBE DESCRIPTION:
9 kg Hammer falling half a metre to a steel anvil, driving a 16 mm diameter rod fitted with a 20 mm diameter cone.

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Client: **Windflow Technology**

Location: **Long Gully Wind Farm**

Responsible: **Alan Wightman**

SCALA PROBE

No: **SP 25A**

Date: **20.11.08**

Jig Number: **35540**

Rev: **A 4**

Rev: **1**

Site Description:

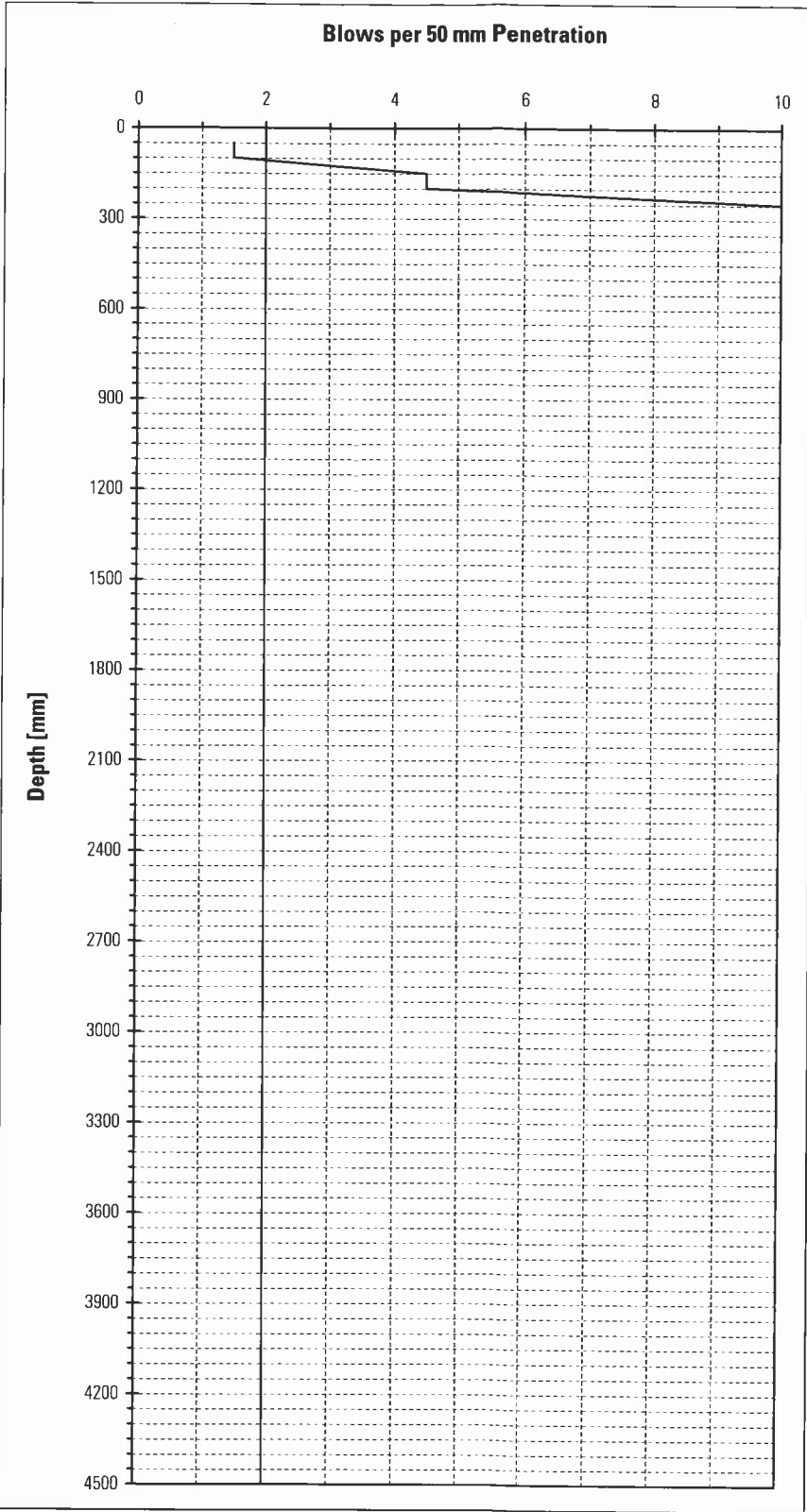
Refer attached site plan.

RL:

Notes:

Effective refusal at 300mm (20 blows for 100mm).

Depth (mm)	Blows (no.)	Depth (mm)	Blows (no.)
50	1.5	2300	
100	1.5	2350	
150	4.5	2400	
200	4.5	2450	
250	10	2500	
300	10	2550	
350		2600	
400		2650	
450		2700	
500		2750	
550		2800	
600		2850	
650		2900	
700		2950	
750		3000	
800		3050	
850		3100	
900		3150	
950		3200	
1000		3250	
1050		3300	
1100		3350	
1150		3400	
1200		3450	
1250		3500	
1300		3550	
1350		3600	
1400		3650	
1450		3700	
1500		3750	
1550		3800	
1600		3850	
1650		3900	
1700		3950	
1750		4000	
1800		4050	
1850		4100	
1900		4150	
1950		4200	
2000		4250	
2050		4300	
2100		4350	
2150		4400	
2200		4450	
2250		4500	



PROBE DESCRIPTION:
 9 kg Hammer falling half a metre to a steel anvil, driving a 16 mm diameter rod fitted with a 20 mm diameter cone.

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Client
Windflow Technology

Location
Long Gully Wind Farm

Tester
Alan Wightman

SCALA PROBE

SP 25B

Date
20.11.08

Job Number
35540

Rev
1