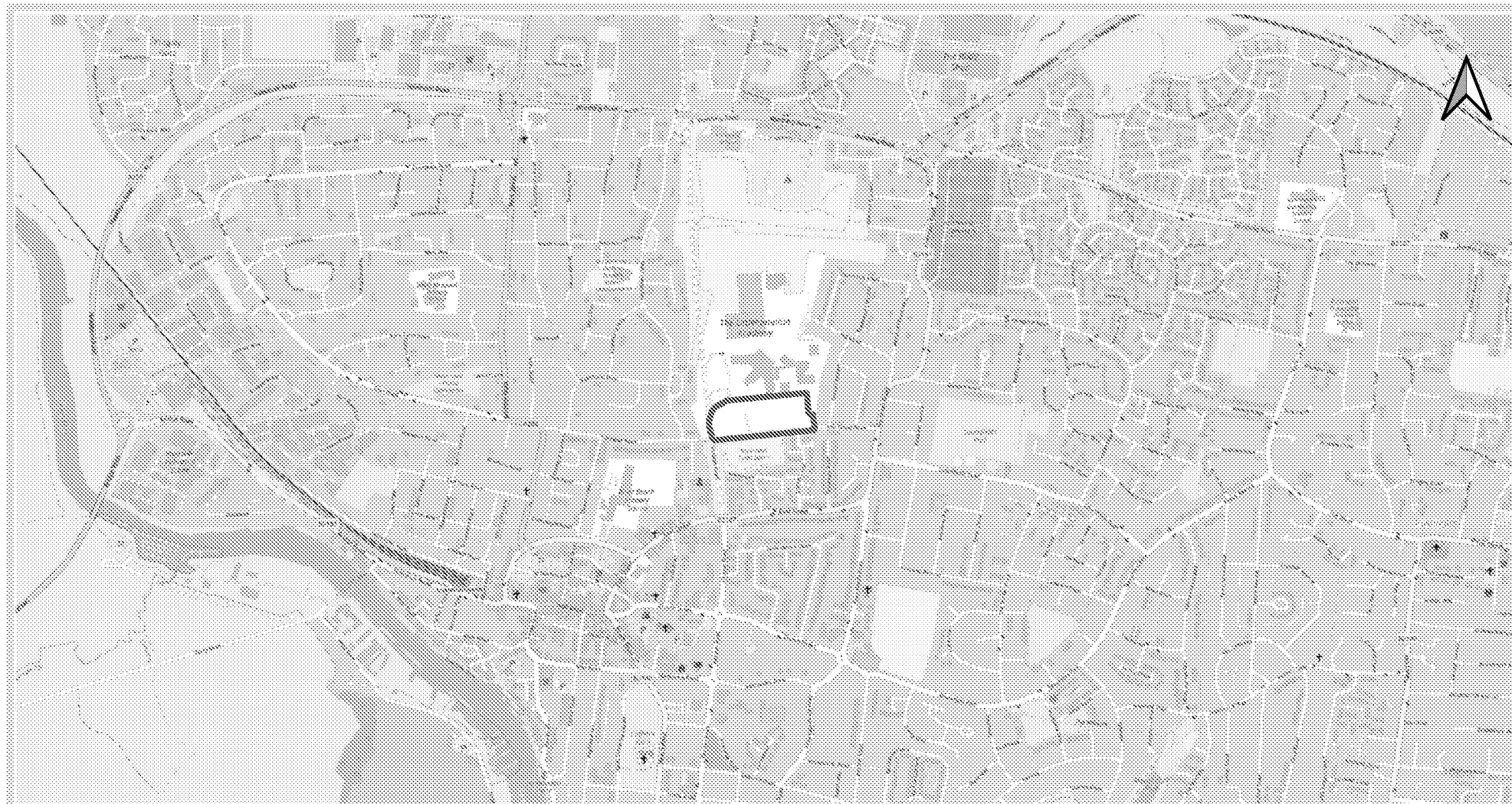


[illegible]

! 10T 1BALP0X1iX4P11B 11T 5X1P11X=DI1X 1X4P11T 11T 11T 11T 0 11C1E 11T 311B 11X! 11X 11B 11T
! 11T 11X 11T 11T 11T 11T

[illegible]
$$\alpha \vdash_{\mathcal{B}} \exists x (\phi(x) \wedge \neg \psi(x)) \Rightarrow \exists x (\phi(x) \wedge \neg \psi(x))$$
[illegible][illegible]

CECT



Basemap: © OpenStreetMapcontributors

 Site boundary



Client:

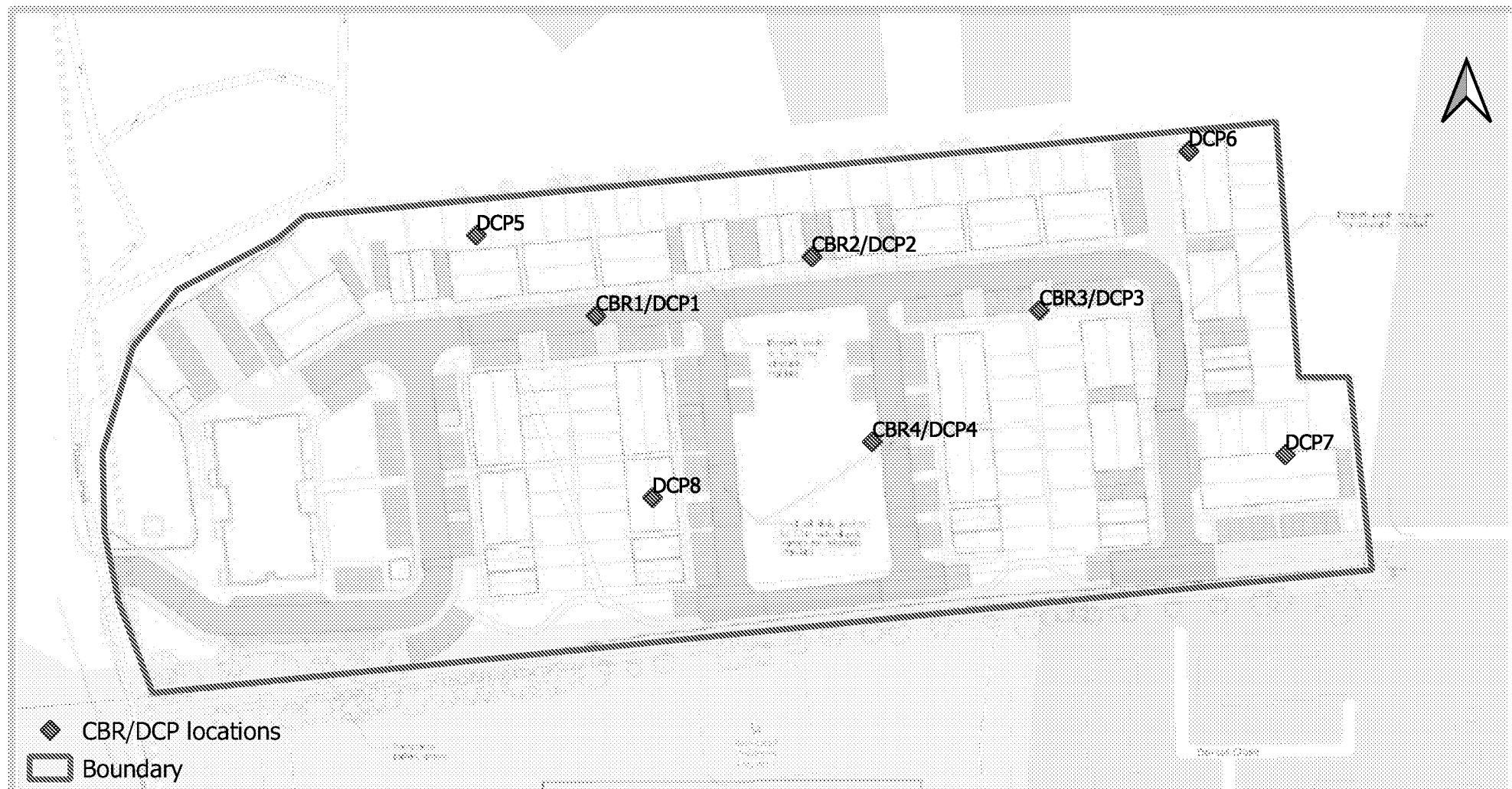
Title: Site Location Plan

Project ID: LP2265

Project: Land off Elm Grove Road, Littlehampton

Date: 12/06/20

Figure No. 01

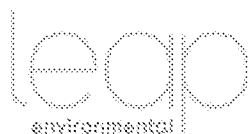


Basemap: Client supplied

Note 1: Exploratory holes have been positioned by handheld GPS survey and should therefore only be taken as approximate

Note 2: Exploratory holes shown are not to scale

Note 3: Elevations not shown



Client: BoKlok Housing Ltd

Title: CBR/DCP Locations

Project ID: LP2265

Project: Land off Elmgrove Road, Littlehampton

Date: 03/09/20

Figure No. 02

! tt9b5lÆ. E5/t Q9[5 w9/hw5{

5/t C6 16 wπ dI x o ↑

Dynamic Cone CBR Test

Elm Grove Road, Littlehampton Test Reference: - DCP1

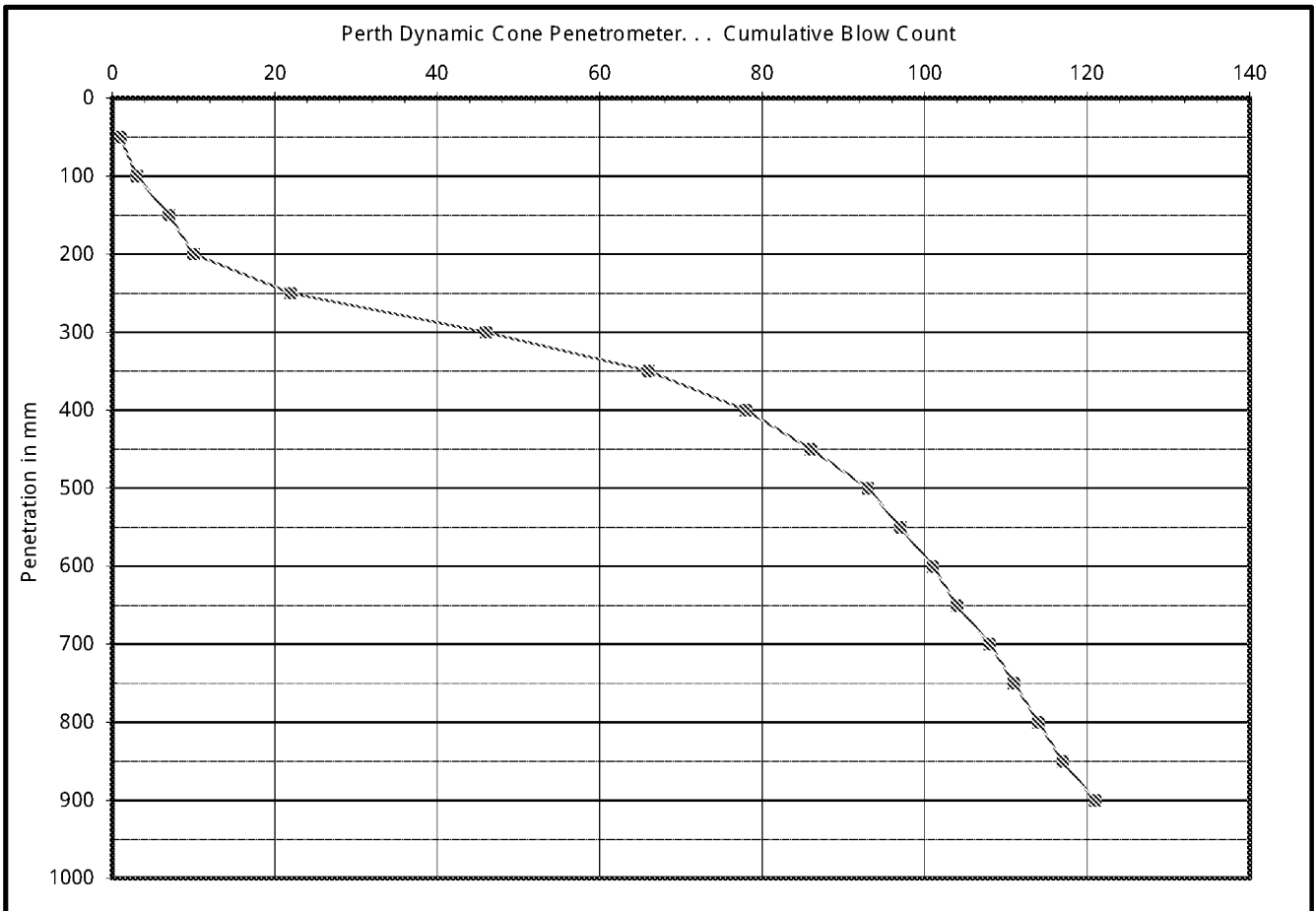
J ob Nr LP2265
0

Date 21-Aug-20

CBR VALUE CALCULATIONS

Initial S Pen mm	Final S Pen mm	Initial S Blows	Final S Blows	Pen/Blow mm	CBR TRRL	CBR KVH	CBR Value (%)
50	200	1	10	16.7	15.4	11.7	11.7
200	350	10	66	2.7	106.6	121.4	106.6
350	500	66	93	5.6	49.3	47.7	47.7
500	900	93	121	14.3	18.2	14.2	14.2
			0				
			0				
			0				

Nr Blows	S Blows	Penetration mm	S Pen. mm
1	1	50	50
2	3	50	100
4	7	50	150
3	10	50	200
12	22	50	250
24	46	50	300
20	66	50	350
12	78	50	400
8	86	50	450
7	93	50	500
4	97	50	550
4	101	50	600
3	104	50	650
4	108	50	700
3	111	50	750
3	114	50	800
3	117	50	850
4	121	50	900



Tested by ADC Checked Approved

Site: Elm Grove Road, Littlehampton

Client: BOKLOK

Date: 21/08/2020

J ob No: LP2265

Test No: DCP1

Dynamic Cone CBR Test

Elm Grove Road, Littlehampton Test Reference: - DCP2

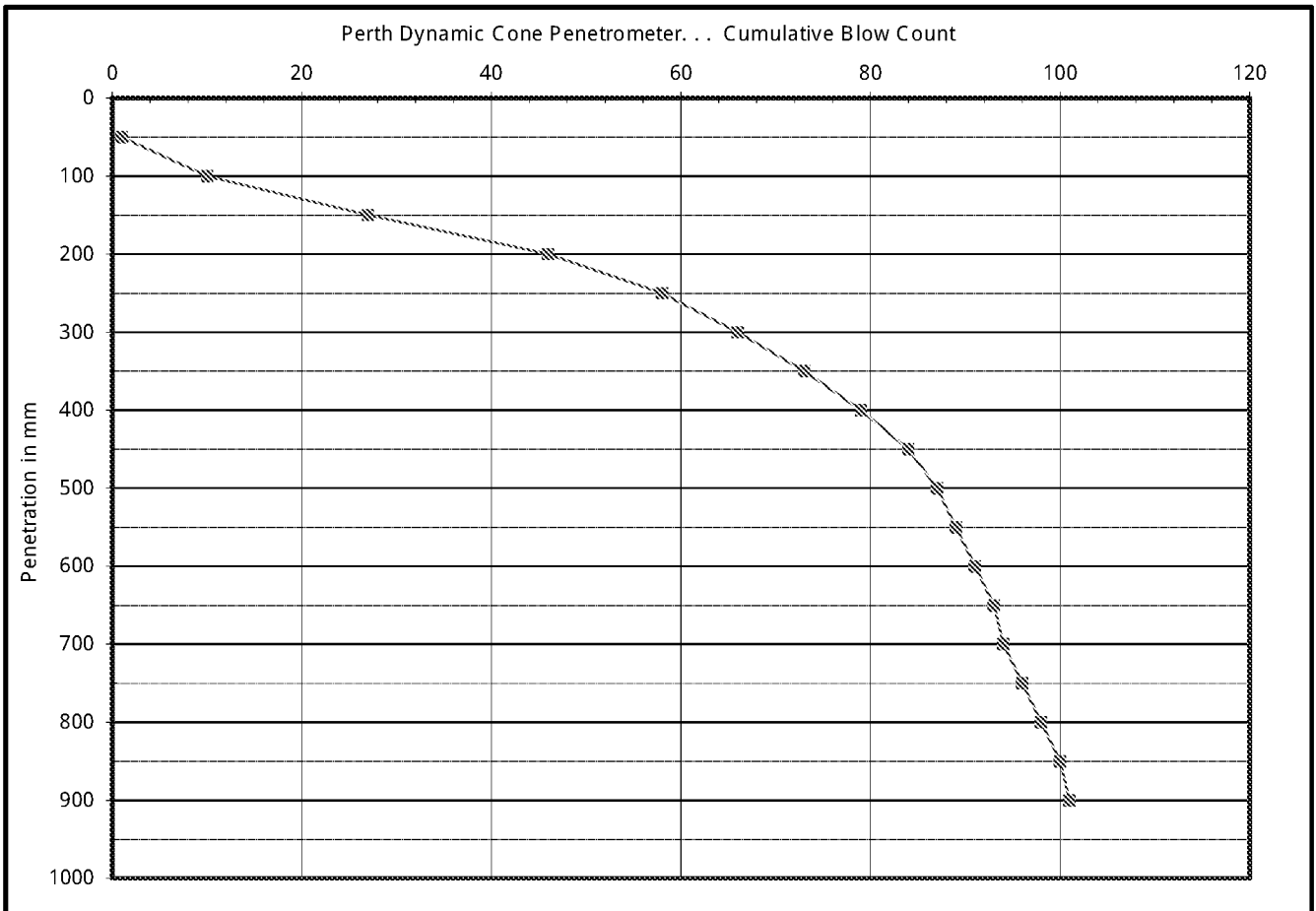
J ob Nr LP2265
0

Date 21-Aug-20

CBR VALUE CALCULATIONS

Initial S Pen mm	Final S Pen mm	Initial S Blows	Final S Blows	Pen/Blow mm	CBR TRRL	CBR KVH	CBR Value (%)
50	250	1	58	3.5	80.1	85.9	80.1
250	450	58	84	7.7	34.9	31.5	31.5
450	900	84	101	26.5	9.5	6.5	6.5
			0				
			0				
			0				
			0				

Nr Blows	S Blows	Penetration mm	S Pen. mm
1	1	50	50
9	10	50	100
17	27	50	150
19	46	50	200
12	58	50	250
8	66	50	300
7	73	50	350
6	79	50	400
5	84	50	450
3	87	50	500
2	89	50	550
2	91	50	600
2	93	50	650
1	94	50	700
2	96	50	750
2	98	50	800
2	100	50	850
1	101	50	900



Tested by ADC Checked Approved

Site: Elm Grove Road, Littlehampton

Client: BOKLOK

Date: 21/08/2020

J ob No: LP2265

Test No: DCP2

Dynamic Cone CBR Test

Nr Blows	S Blows	Penetration mm	S Pen. mm
2	2	50	50
6	8	50	100
14	22	50	150
19	41	50	200
43	84	50	250
12	96	50	300
8	104	50	350
5	109	50	400
5	114	50	450
5	119	50	500
4	123	50	550
4	127	50	600
3	130	50	650
2	132	50	700
3	135	50	750
3	138	50	800
2	140	50	850
2	142	50	900

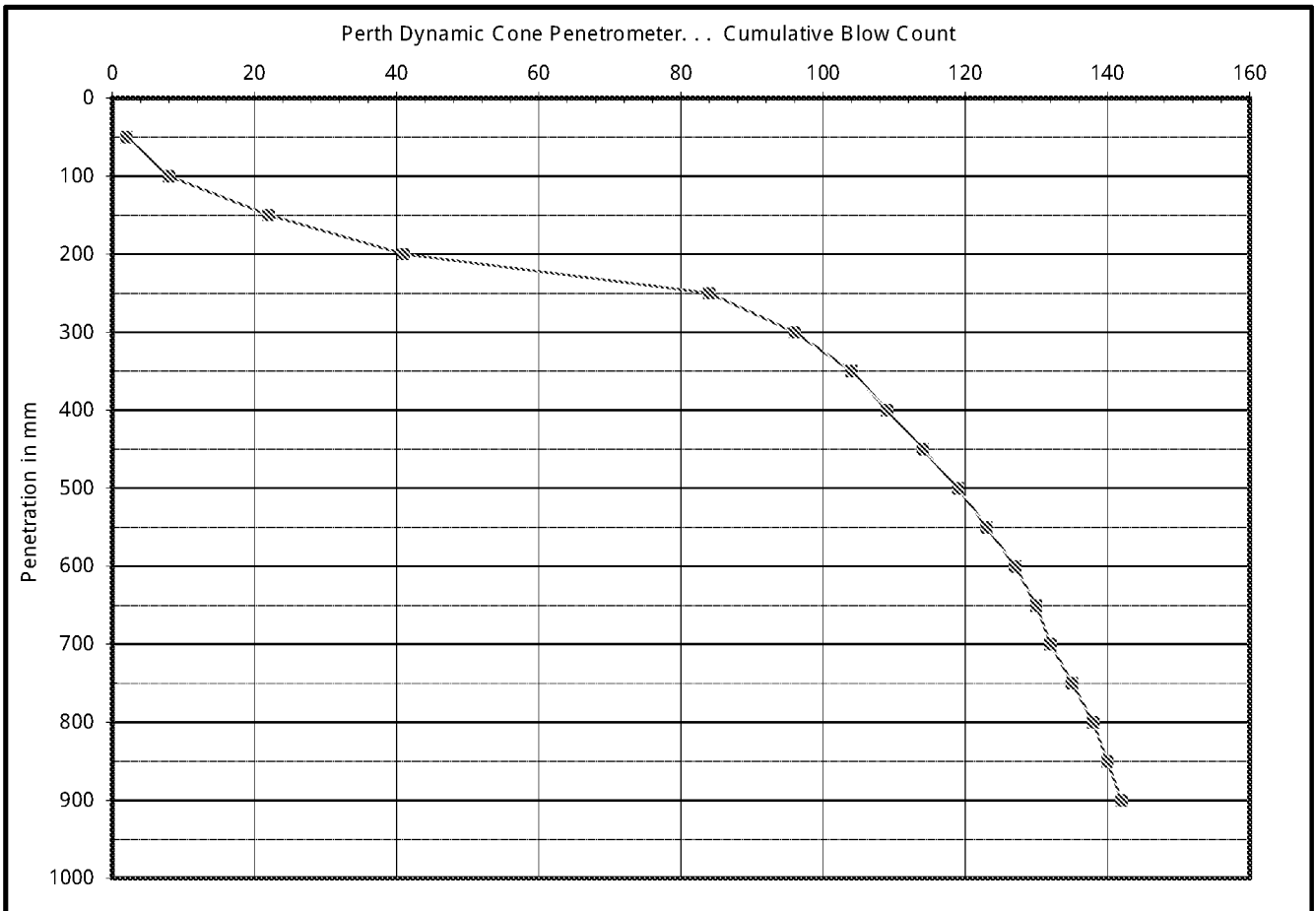
Elm Grove Road, Littlehampton Test Reference: - DCP3

J ob Nr LP2265
0

Date 21-Aug-20

CBR VALUE CALCULATIONS

Initial S Pen mm	Final S Pen mm	Initial S Blows	Final S Blows	Pen/Blow mm	CBR TRRL	CBR KVH	CBR Value (%)
50	100	2	8	8.3	32.1	28.4	28.4
100	200	8	41	3.0	93.6	103.7	93.6
200	250	41	84	1.2	257.5	353.3	257.5
250	350	84	104	5.0	55.1	54.6	54.6
350	900	104	142	14.5	17.9	14.0	14.0
			0				
			0				



Tested by ADC Checked Approved

Site: Elm Grove Road, Littlehampton

Client: BOKLOK

Date: 21/08/2020

J ob No: LP2265

Test No: DCP3

Dynamic Cone CBR Test

Nr Blows	S Blows	Penetration mm	S Pen. mm
3	3	50	50
6	9	50	100
4	13	50	150
4	17	50	200
4	21	50	250
3	24	50	300
2	26	50	350
2	28	50	400
2	30	50	450
3	33	50	500
3	36	50	550
2	38	50	600
2	40	50	650
3	43	50	700
2	45	50	750
1	46	50	800
2	48	50	850
2	50	50	900

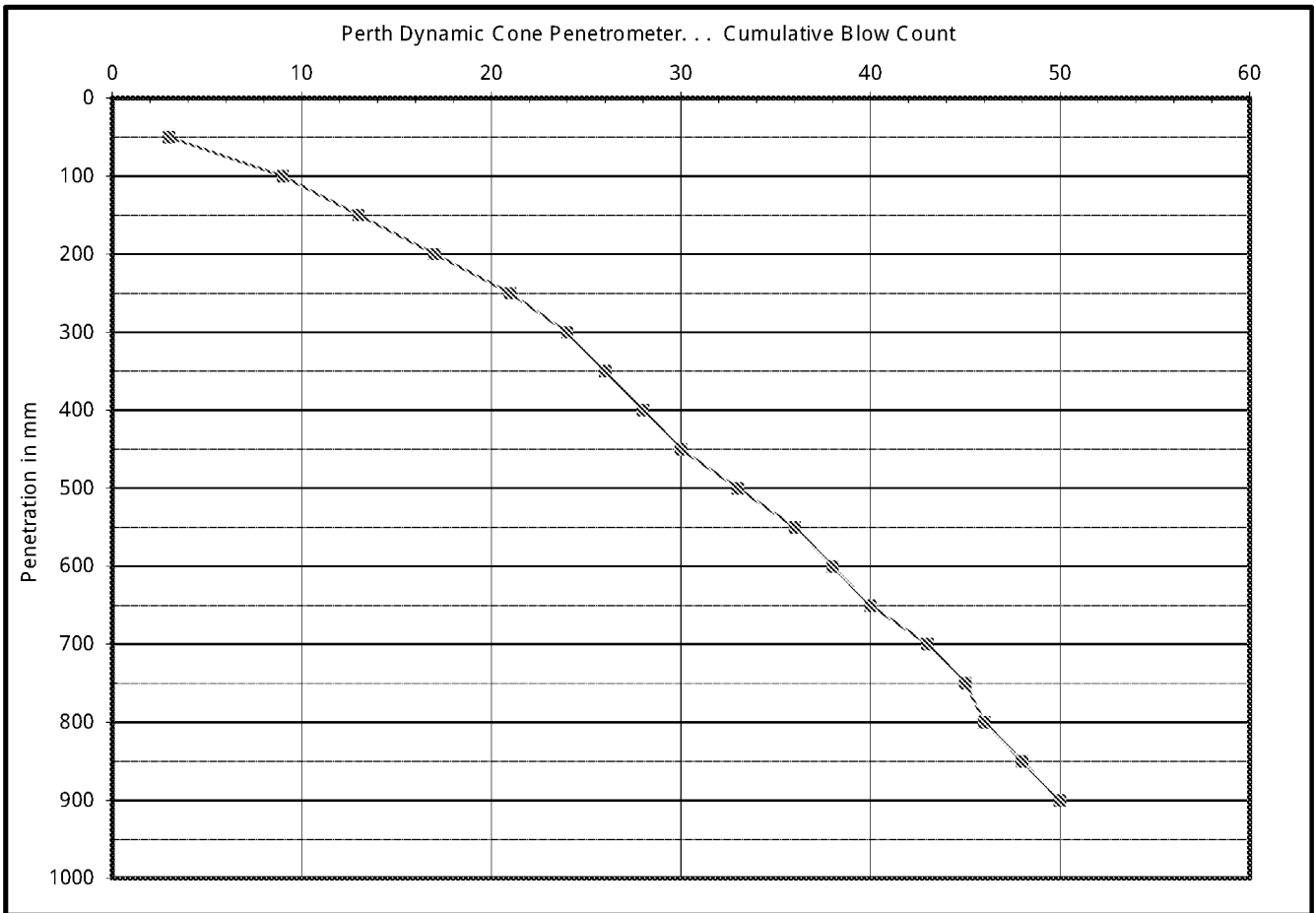
Elm Grove Road, Littlehampton Test Reference: - DCP4

J ob Nr LP2265
0

Date 21-Aug-20

CBR VALUE CALCULATIONS

Initial S Pen mm	Final S Pen mm	Initial S Blows	Final S Blows	Pen/Blow mm	CBR TRRL	CBR KVH	CBR Value (%)
50	300	3	24	11.9	22.0	18.0	18.0
300	750	24	45	21.4	11.8	8.5	8.5
750	900	45	50	30.0	8.3	5.5	5.5
			0				
			0				
			0				
			0				



Tested by	ADC	Checked		Approved	
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Site: Elm Grove Road, Littlehampton

Client: BOKLOK

Date: 21/08/2020

J ob No: LP2265

Test No: DCP4

Dynamic Cone CBR Test

Elm Grove Road, Littlehampton Test Reference: - DCP5

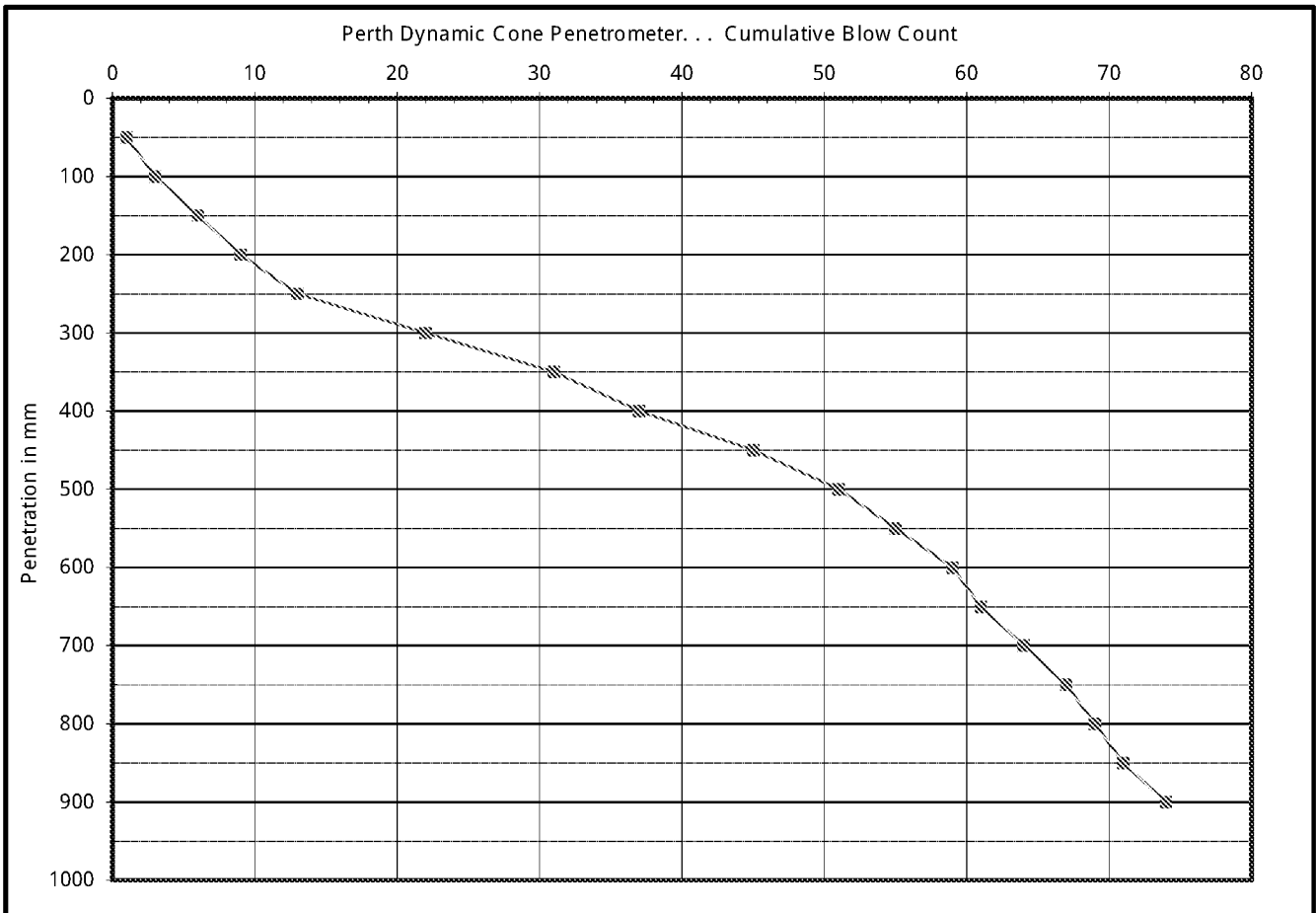
J ob Nr LP2265
0

Date 21-Aug-20

CBR VALUE CALCULATIONS

Initial S Pen mm	Final S Pen mm	Initial S Blows	Final S Blows	Pen/Blow mm	CBR TRRL	CBR KVH	CBR Value (%)
50	250	1	13	16.7	15.4	11.7	11.7
250	500	13	51	6.6	41.2	38.4	38.4
500	900	51	74	17.4	14.8	11.1	11.1
			0				
			0				
			0				
			0				

Nr Blows	S Blows	Penetration mm	S Pen. mm
1	1	50	50
2	3	50	100
3	6	50	150
3	9	50	200
4	13	50	250
9	22	50	300
9	31	50	350
6	37	50	400
8	45	50	450
6	51	50	500
4	55	50	550
4	59	50	600
2	61	50	650
3	64	50	700
3	67	50	750
2	69	50	800
2	71	50	850
3	74	50	900



Tested by ADC Checked Approved

Site: Elm Grove Road, Littlehampton

Client: BOKLOK

Date: 21/08/2020

J ob No: LP2265

Test No: DCP5

Dynamic Cone CBR Test

Elm Grove Road, Littlehampton Test Reference: - DCP6

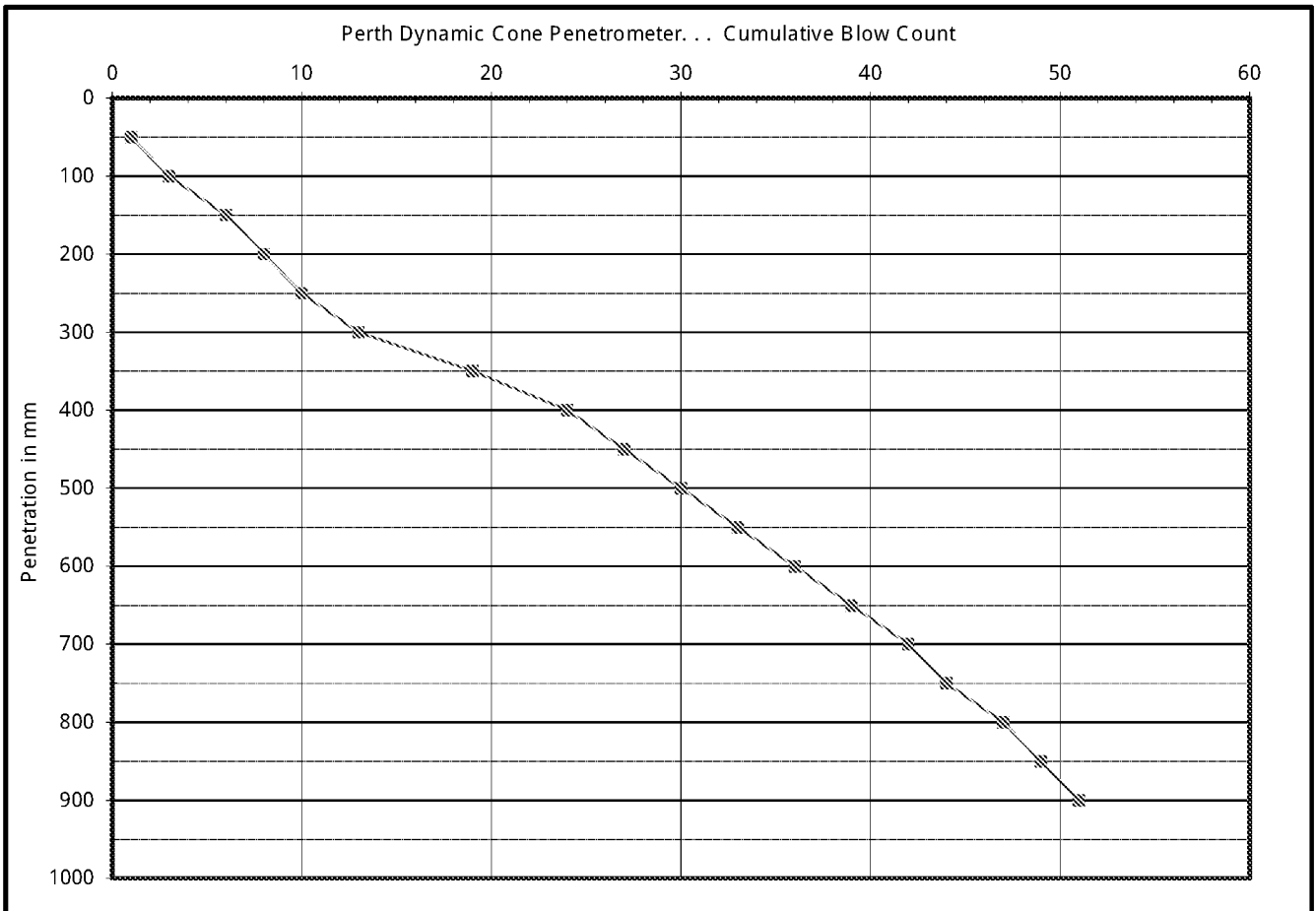
J ob Nr LP2265
0

Date 21-Aug-20

CBR VALUE CALCULATIONS

Initial S Pen mm	Final S Pen mm	Initial S Blows	Final S Blows	Pen/Blow mm	CBR TRRL	CBR KVH	CBR Value (%)
50	350	1	19	16.7	15.4	11.7	11.7
350	450	19	27	12.5	20.9	16.9	16.9
450	900	27	51	18.8	13.6	10.1	10.1
			0				
			0				
			0				
			0				

Nr Blows	S Blows	Penetration mm	S Pen. mm
1	1	50	50
2	3	50	100
3	6	50	150
2	8	50	200
2	10	50	250
3	13	50	300
6	19	50	350
5	24	50	400
3	27	50	450
3	30	50	500
3	33	50	550
3	36	50	600
3	39	50	650
3	42	50	700
2	44	50	750
3	47	50	800
2	49	50	850
2	51	50	900



Tested by ADC Checked Approved

Site: Elm Grove Road, Littlehampton

Client: BOKLOK

Date: 21/08/2020

J ob No: LP2265

Test No: DCP6

Dynamic Cone CBR Test

Nr Blows	S Blows	Penetration mm	S Pen. mm
9	9	50	50
11	20	50	100
5	25	50	150
11	36	50	200
17	53	50	250
17	70	50	300
24	94	50	350
13	107	50	400
20	127	50	450
12	139	50	500
12	151	50	550
9	160	50	600
6	166	50	650
5	171	50	700
4	175	50	750
4	179	50	800
4	183	50	850
4	187	50	900

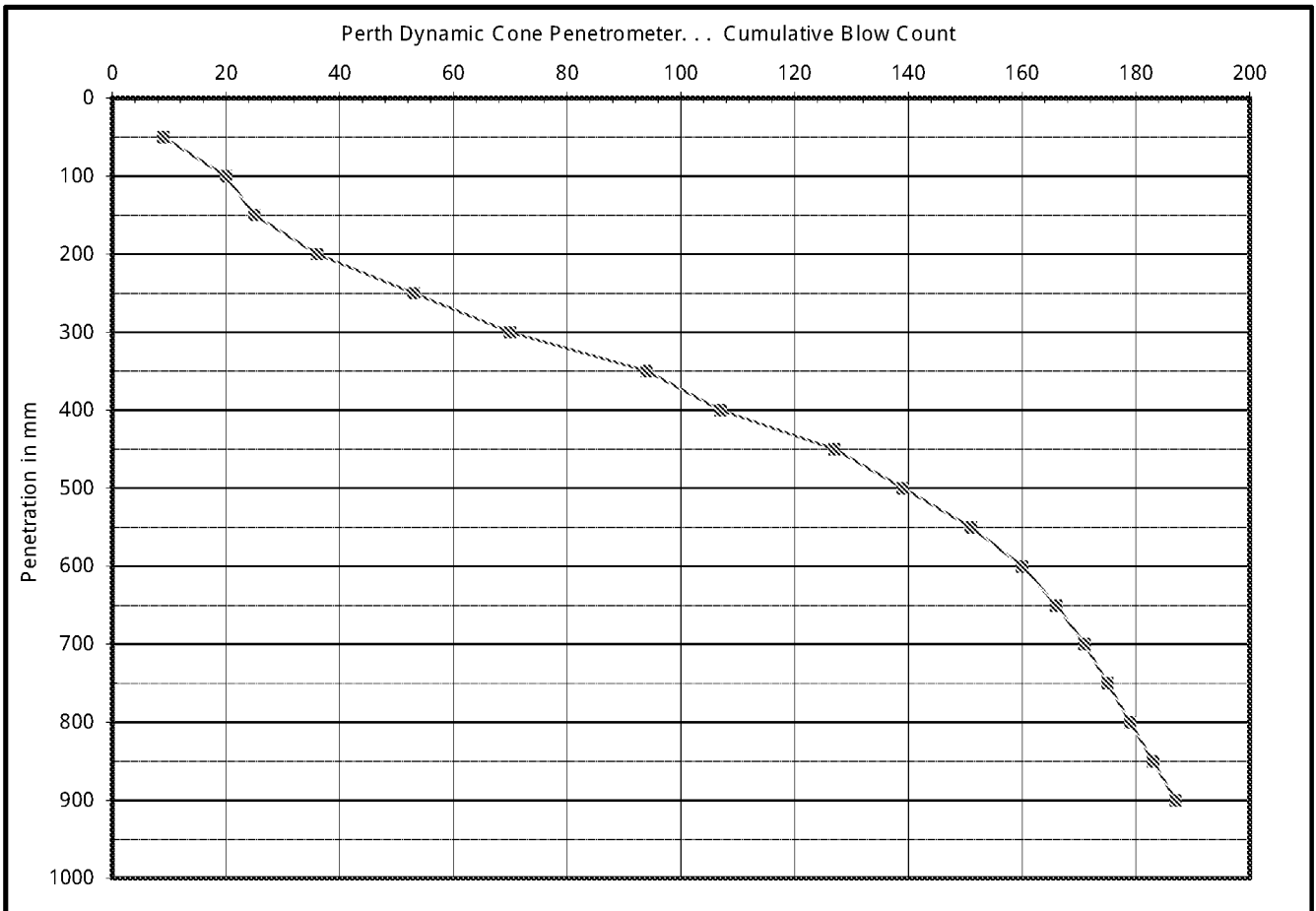
Elm Grove Road, Littlehampton Test Reference: - DCP8

J ob Nr LP2265
0

Date 21-Aug-20

CBR VALUE CALCULATIONS

Initial S Pen mm	Final S Pen mm	Initial S Blows	Final S Blows	Pen/Blow mm	CBR TRRL	CBR KVH	CBR Value (%)
50	100	9	20	4.5	60.9	61.7	60.9
100	150	20	25	10.0	26.5	22.5	22.5
150	550	25	151	3.2	89.1	97.7	89.1
550	900	151	187	9.7	27.3	23.3	23.3
			0				
			0				
			0				



Tested by ADC Checked Approved

Site: Elm Grove Road, Littlehampton

Client: BOKLOK

Date: 21/08/2020

J ob No: LP2265

Test No: DCP8

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CALIFORNIA BEARING RATIO

BH/TP No.: CBR1
Depth (m): 0.50-0.60

Description:

Brown slightly fine gravelly slightly clayey fine SAND and SILT with rare fine brick fragments.

PREPARATION DETAILS

The specimen was soaked for 4 days, after which swelling equilibrium had been reached with 0.1 % vertical swell.

The specimen was prepared at its existing moisture content of 17%

The specimen was prepared by dynamic compaction using a 2.5 kg rammer

Soaked specimen bulk density 2.06 Mg/m³ (2.04 Mg/m³ before soaking)

Soaked specimen dry density 1.75 Mg/m³ (1.75 Mg/m³ before soaking)

Test Details

Surcharge
Seating load
Moisture content

Top

8.0 kg
10 N
18 %

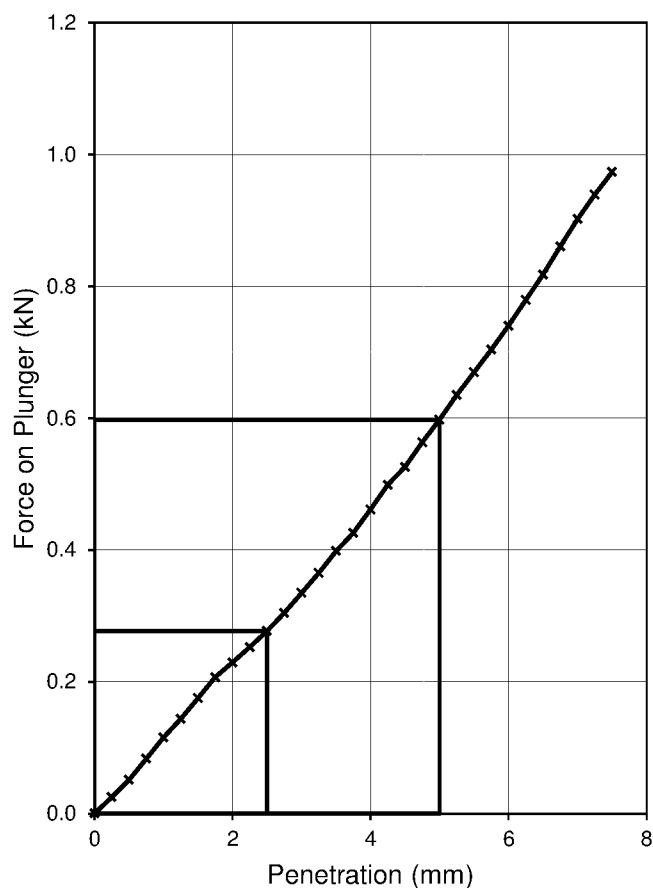
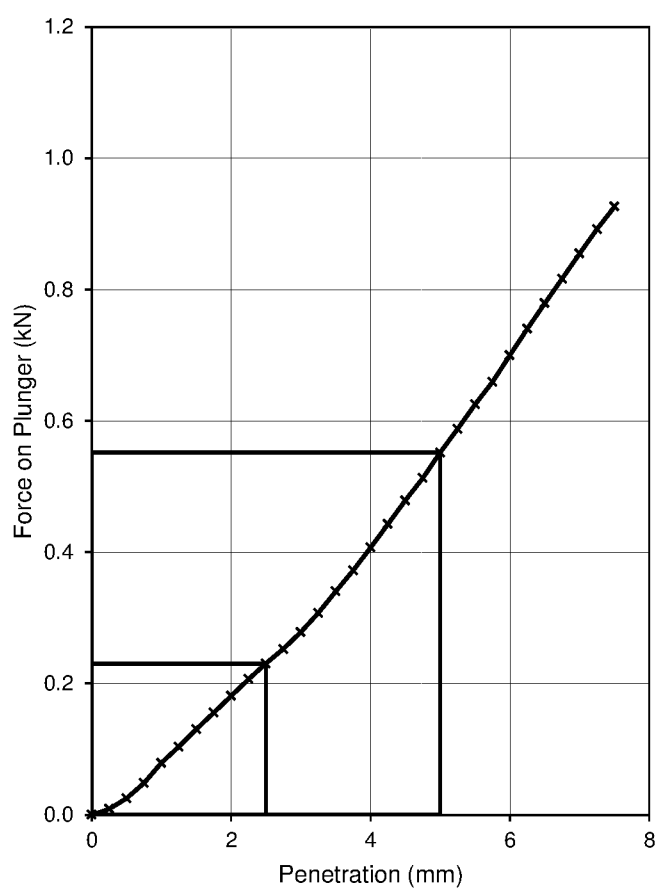
Base

8.0 kg
10 N
18 %

CBR Value

3.0 %

2.8 %

Top of Specimen**Base of Specimen**

Checked and Approved by:

S Burke

S Burke - Senior Technician
02/09/2020

Project Number:

GEO / 31622

Project Name:

**ELMGROVE ROAD, LITTLEHAMPTON
LP2265**

GEOLABS



CALIFORNIA BEARING RATIO

BH/TP No.: CBR2
Depth (m): 0.50-0.70

Description:

Brown slightly fine gravelly slightly clayey fine SAND and SILT.

PREPARATION DETAILS

The specimen was soaked for 4 days, after which swelling equilibrium had been reached with 0.6 % vertical swell.

The specimen was prepared at its existing moisture content of 17%

The specimen was prepared by dynamic compaction using a 2.5 kg rammer

Soaked specimen bulk density 2.08 Mg/m³ (2.06 Mg/m³ before soaking)

Soaked specimen dry density 1.75 Mg/m³ (1.76 Mg/m³ before soaking)

Test Details

Surcharge
Seating load
Moisture content

Top

8.0 kg
10 N
19 %

Base

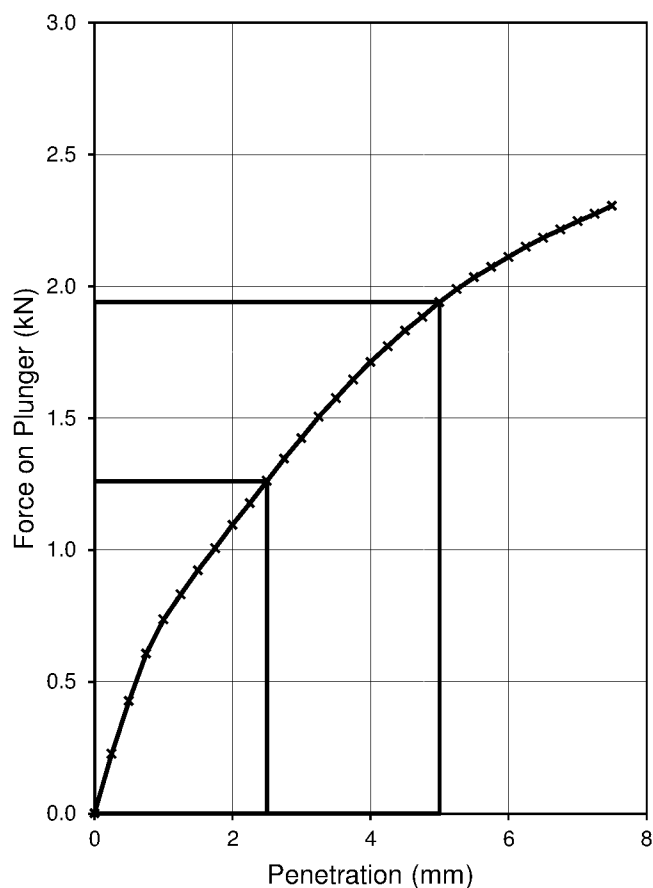
8.0 kg
10 N
19 %

CBR Value

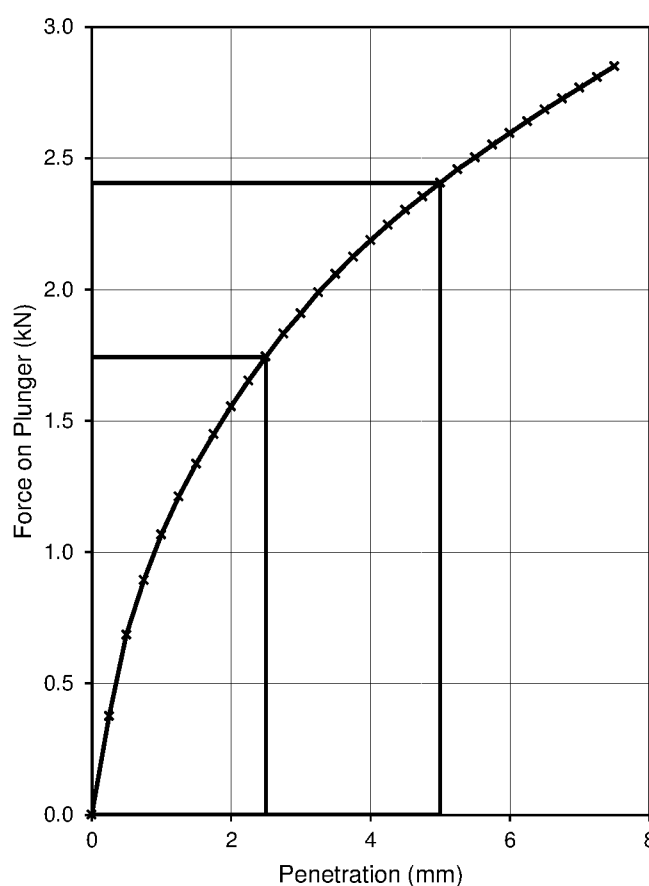
10 %

13 %

Top of Specimen



Base of Specimen



Checked and Approved by:

S Burke - Senior Technician
02/09/2020

Project Number:

GEO / 31622

Project Name:

**ELMGROVE ROAD, LITTLEHAMPTON
LP2265**

GEOLABS

BS1377 : Part 4 : Clause 7 : 1990
CALIFORNIA BEARING RATIO

BH/TP No.: CBR3
 Depth (m): 0.50-0.70

Description:

Brown slightly fine gravelly slightly clayey fine SAND and SILT with rare fine brick fragments.

PREPARATION DETAILS

The specimen was soaked for 4 days, after which swelling equilibrium had been reached with 0.3 % vertical swell.
 The specimen was prepared at its existing moisture content of 14%
 The specimen was prepared by dynamic compaction using a 2.5 kg rammer
 Soaked specimen bulk density 2.12 Mg/m³ (2.09 Mg/m³ before soaking)
 Soaked specimen dry density 1.83 Mg/m³ (1.84 Mg/m³ before soaking)

Test Details

Surcharge
 Seating load
 Moisture content

Top

8.0 kg
 10 N
 16 %

Base

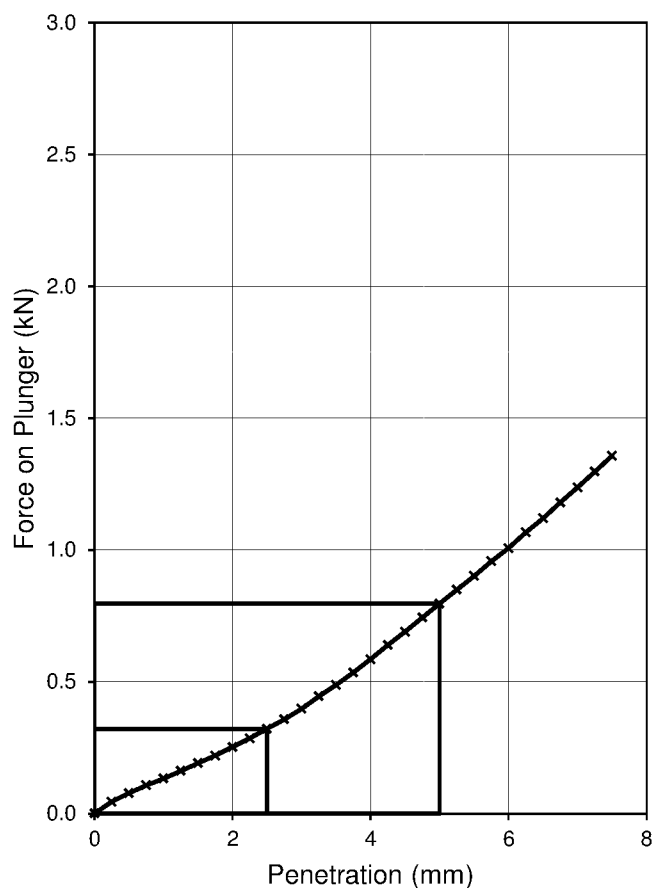
8.0 kg
 50 N
 16 %

CBR Value

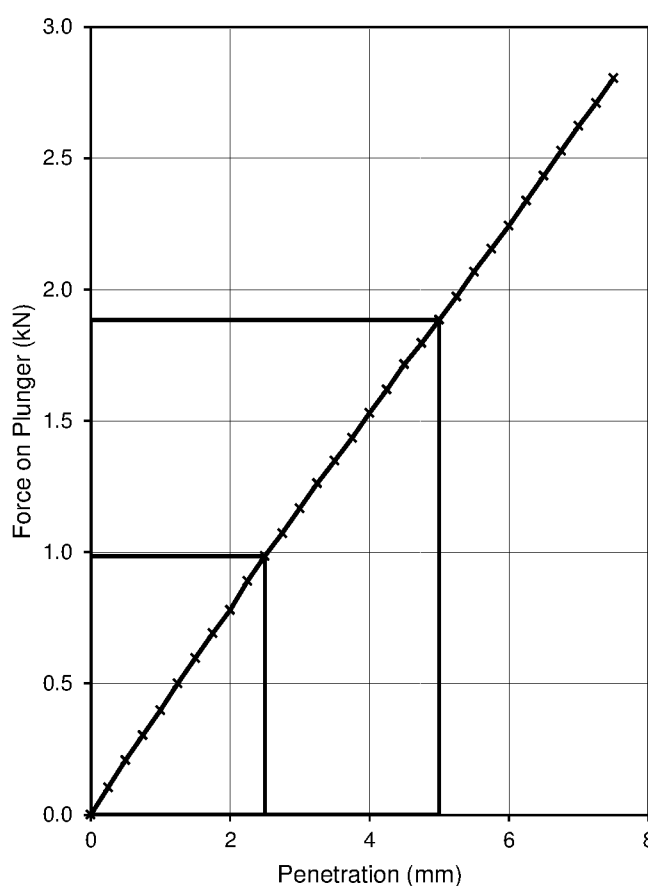
4.0 %

9.4 %

Top of Specimen



Base of Specimen



Checked and Approved by:

S Burke

S Burke - Senior Technician
 02/09/2020

Project Number:

GEO / 31622

Project Name:

**ELMGROVE ROAD, LITTLEHAMPTON
 LP2265**

GEOLABS



CALIFORNIA BEARING RATIO

BH/TP No.: CBR4
Depth (m): 0.50-0.60

Description:

Brown slightly fine gravelly slightly clayey fine SAND and SILT with rare fine brick fragments.

PREPARATION DETAILS

The specimen was soaked for 4 days, after which swelling equilibrium had been reached with 0.5 % vertical swell.

The specimen was prepared at its existing moisture content of 16%

The specimen was prepared by dynamic compaction using a 2.5 kg rammer

Soaked specimen bulk density 2.08 Mg/m³ (2.05 Mg/m³ before soaking)

Soaked specimen dry density 1.75 Mg/m³ (1.76 Mg/m³ before soaking)

2.6 % of the sample was retained on a 20mm sieve

Test Details

Surcharge
Seating load
Moisture content

Top

8.0 kg
10 N
19 %

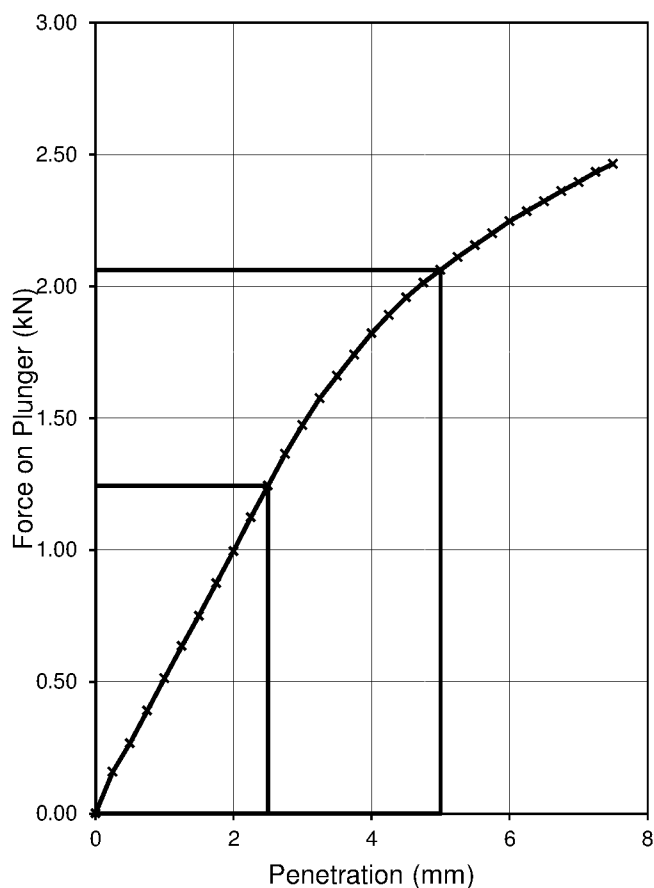
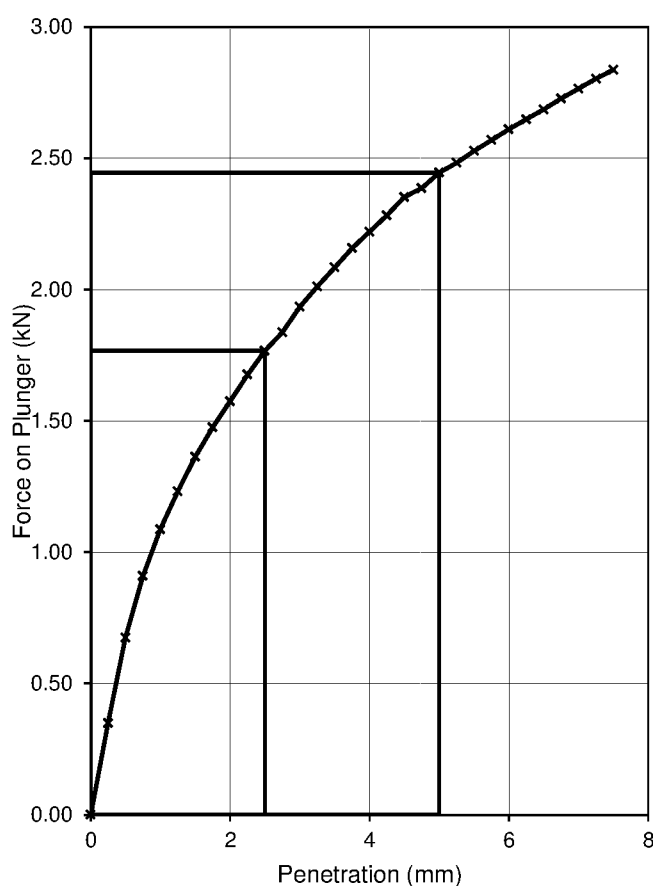
Base

8.0 kg
10 N
18 %

CBR Value

10 %

13 %

Top of Specimen**Base of Specimen**

Checked and Approved by:

S Burke

S Burke - Senior Technician
02/09/2020

Project Number:

GEO / 31622

Project Name:

**ELMGROVE ROAD, LITTLEHAMPTON
LP2265**

GEOLABS



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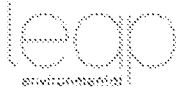
leap
unleashing potential

Leap Environmental Ltd The Atrium, Curtis Road Dorking, Surrey RH4 1XA Tel: 01306 646510 www.leapenvironmental.com				Trial Pit Log				Trialpit No CBR1 Sheet 1 of 1	
Project Name: Elmgrove Road, Littlehampton				Project No. LP2265		Co-ords: - Level:		Date 17/08/2020	
Location: ElmGrove Road, Littlehampton, West Sussex						Dimensions (m): Depth 0.70		Scale 1:25 Logged ADC	
Client: Boklok Housing									

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
	0.50 - 0.60	B		0.02		Grass over light brown gravelly clayey TOPSOIL Black ashy gravelly fill possible remnant blacktop surface.	
			0.25		Pale brown gravelly sandy CLAY. Gravel is fine to coarse sub angular to sub rounded flint with occasional flint cobbles.		
			0.35		Very stiff greyish brown CLAY.		
			0.70		End of pit at 0.70 m		

Remarks:

Stability:

 Leap Environmental Ltd The Atrium, Curtis Road Dorking, Surrey RH4 1XA Tel: 01306 646510 www.leapenvironmental.com				Trial Pit Log				Trialpit No CBR2 Sheet 1 of 1	
Project Name: Elmgrove Road, Littlehampton				Project No. LP2265		Co-ords: - Level:		Date 17/08/2020	
Location: ElmGrove Road, Littlehampton, West Sussex						Dimensions (m):		Scale 1:25	
Client: Boklok Housing						Depth 0.70		Logged ADC	
Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
	Depth	Type	Results						
	0.50 - 0.70	B		0.30			Light brown sandy gravelly MADE GROUND. Comprising gravels of asphalt concrete, occasional tile fragment and medium to coarse flint.		
				0.70			Stiff brown silty gravelly CLAY. Gravel is medium to coarse sub angular to sub rounded flint.		
							End of pit at 0.70 m		
Remarks:									
Stability:									



