

APPENDIX B

SITE PHOTOGRAPHS



EARTHWORKS VALIDATION PHOTOGRAPHS

**Bishop Hedley School, Merthyr Tydfil
(Northern Campus and Sports Pitch)**

Intégral
Géotechnique

Intégral House
7 Beddau Way
Castlegate Business Park
Caerphilly
CF83 2AX
Tel: 029 2080 7991



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EARTHWORKS VALIDATION PHOTOGRAPHS

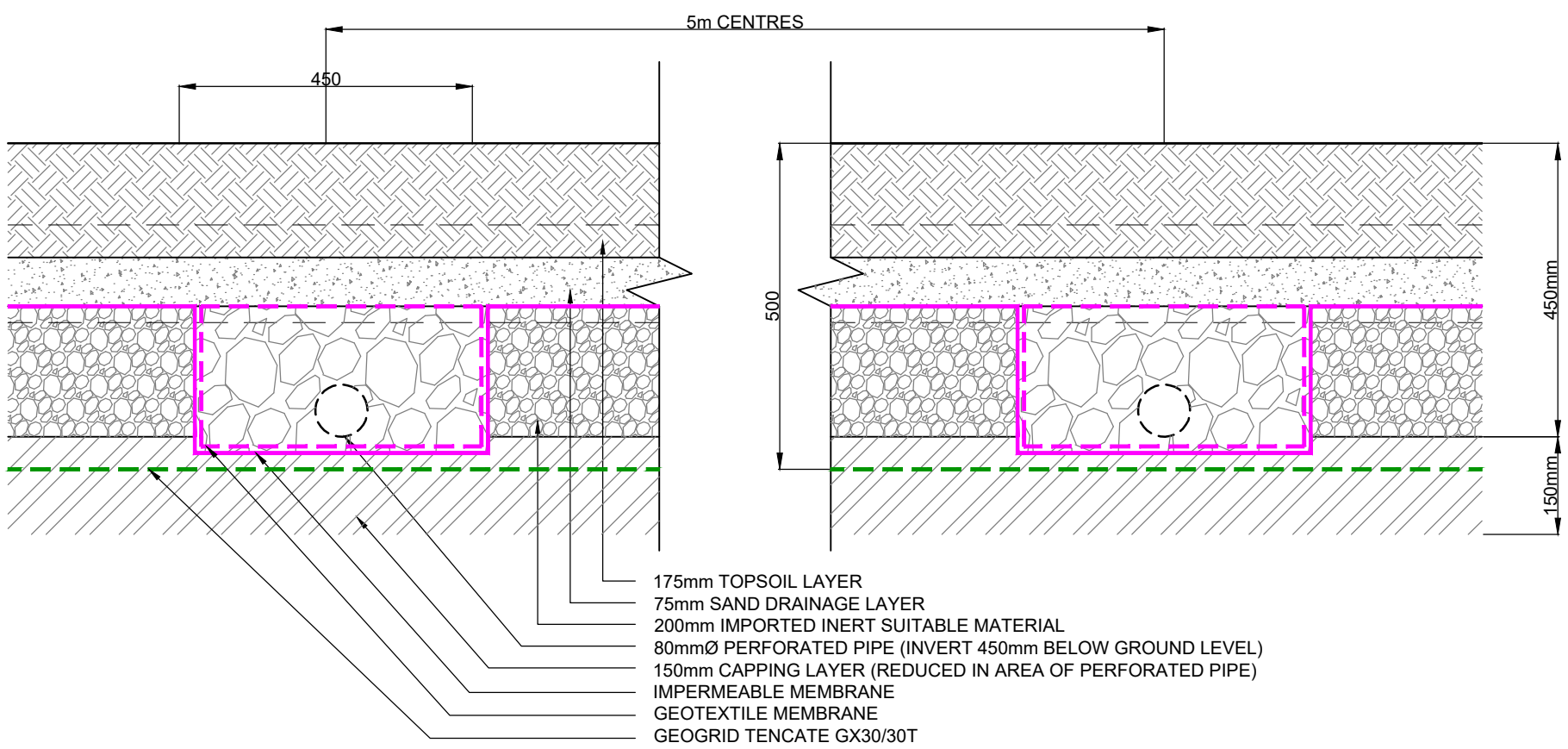
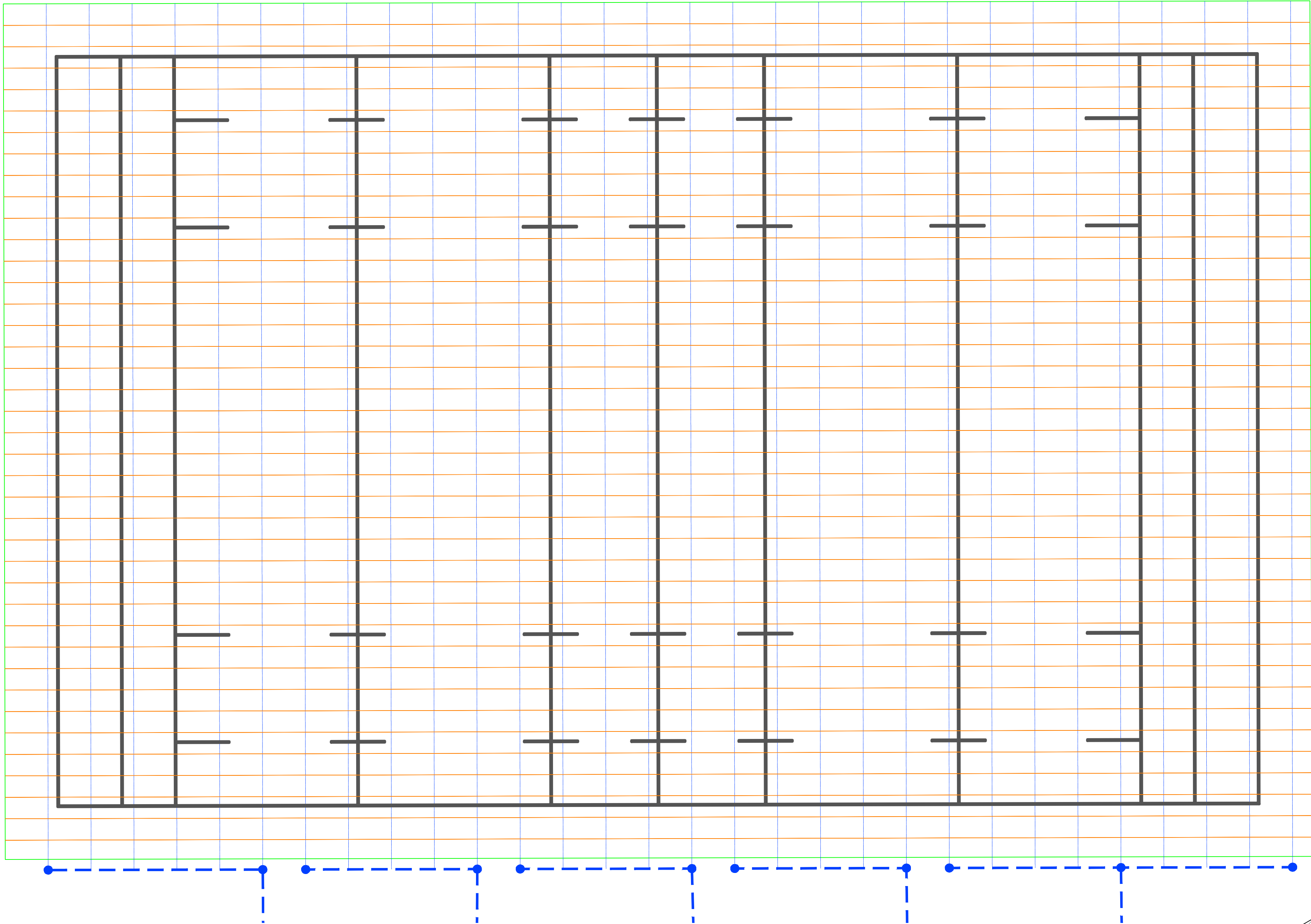
**Bishop Hedley School, Merthyr Tydfil
(Northern Campus and Sports Pitch)**

Intégral
Géotechnique

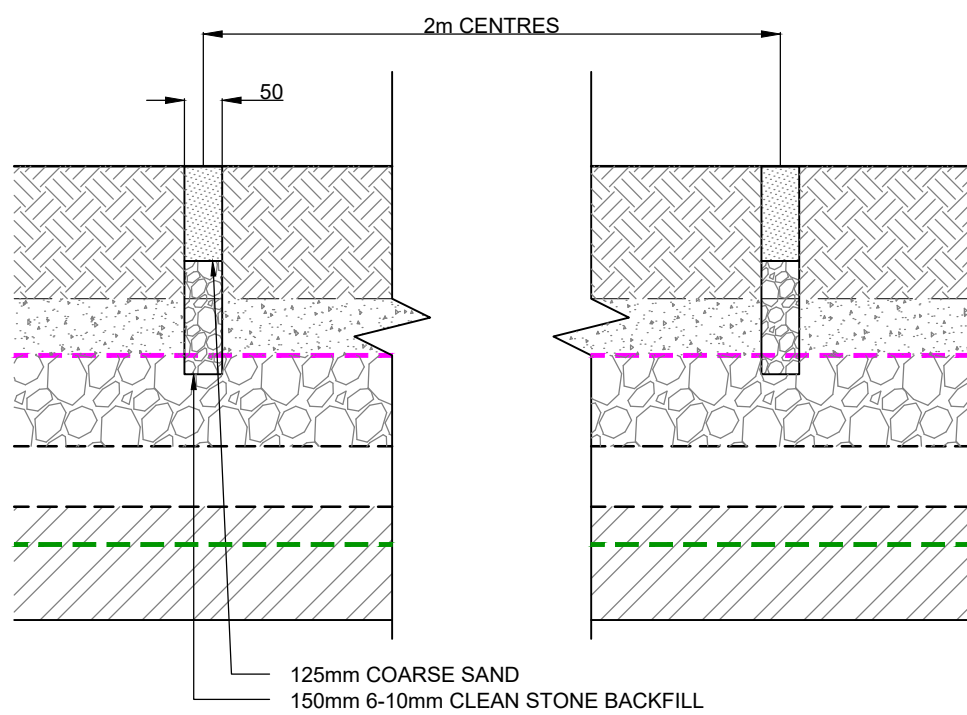
Intégral House
7 Beddau Way
Castlegate Business Park
Caerphilly
CF83 2AX
Tel: 029 2080 7991

APPENDIX C

SPORTS PITCH CONSTRUCTION DESIGN DRAWING / DRAINAGE DETAILS



TYPICAL SECTION THROUGH PITCH PIPE DRAINS
SCALE: 1:10



TYPICAL SECTION THROUGH SAND SLITS
SCALE: 1:10

NOTE:
FOR DEPTH OF OVERLAYING IMPORTED MATERIAL REFER TO SPORTS
PITCH SPECIFICATION BY SOUTH WALES SPORTS GROUNDS

THIS DRAWING IS COPYRIGHT © CAMBRIA CONSULTING LTD.
DO NOT SCALE FROM THIS DRAWING.

CONTRACTORS MUST CHECK ALL DIMENSIONS ON SITE.
ONLY FIGURED DIMENSIONS ARE TO BE WORKED FROM.
DISCREPANCIES MUST BE REPORTED IMMEDIATELY TO
CAMBRIA CONSULTING LIMITED BEFORE PROCEEDING.

THE CONTRACTOR IS TO REFER TO THE SPECIFICATION,
FULL SCHEDULE OF RESIDUAL RISKS IN THE CONTRACT
DOCUMENTATION AND ALSO TO INFORMATION FROM OTHER
DESIGNERS, IN PARTICULAR THE M&E CONSULTANT
REGARDING EXISTING LIVE SERVICES.

! THIS SYMBOL IS USED TO HIGHLIGHT INSTANCES
OF RISK WITHIN THE CONSTRUCTION PROCESS.
ALWAYS CHECK FOR LATER REVISIONS OF THIS DRAWING.

KEY:

— PERFORATED PIPE DRAINS

— SAND SLITS

C03	GEOTEXTILE MEMBRANE AMENDED.	LW	BW	BW
		26/06/25		
C02	FOR CONSTRUCTION.	LW	BW	BW
		05/04/24		
C01	FOR CONSTRUCTION.	LW	BW	BW
		05/04/24		
P01	ISSUED FOR RIBA STAGE 4.	DC	PY	BW
		—/—/—		
Rev.	Description	By	Chk	App



Client:

Project:

**BLESSED CARLO ACUTIS
CATHOLIC SCHOOL**

Drawing Title:

**WESTERN PITCH
DRAINAGE DETAILS**

Drawing No.

BCA CAM VX XX DR C 0525

Project	Originator	Vol.	Level	Type	Role	Number
S4	CONSTRUCTION	AS SHOWN	C03			

CAMBRIA
Constructive Thinking

Civil & Structural Engineers
Cambria House
16 Plas St. Pol de Leon
Penarth Marina
Cardiff, CF64 1TR

T 029 2099 3333
E admin@cambria.co.uk
W www.cambria.co.uk
@cambriauk
uk.linkedin.com/in/cambriauk

APPENDIX D

LABORATORY GEOTECHNICAL TEST RESULTS



Laboratory Report



Contract Number: 73413

Client Ref: **14075**

Date Received: **24-06-2024**

Client PO: **14075/GNS**

Date Completed: **05-07-2024**

Report Date: **05-07-2024**

Client: **Integral Geotechnique (Wales) Limited**

This report has been checked and approved by:

Contract Title: **Bishop Hedley, Merthys Tydfil - Northern Area**

For the attention of: **Gary Shawley**

Brendan Evans
Office Administrator

Description	Qty
Moisture Content BS 1377:1990 - Part 2 : 3.2 - * UKAS	5
4 Point Liquid & Plastic Limit BS 1377:1990 - Part 2 : 4.3 & 5.3 - * UKAS	5
PSD Wet Sieve method BS 1377:1990 - Part 2 : 9.2 - * UKAS	5
Disposal of samples for job	1

Notes: Observations and Interpretations are outside the UKAS Accreditation

* - denotes test included in laboratory scope of accreditation

- denotes test carried out by approved contractor

@ - denotes non accredited tests

This certificate is issued in accordance with the accreditation requirements of the United Kingdom Accreditation Service. The results reported herein relate only to the material supplied to the laboratory. This test report/certificate shall not be reproduced except in full, without the approval of GEO Site & Testing Services Ltd. Any opinions or interpretations stated - within this report/certificate are excluded from the laboratories UKAS accreditation.

Approved Signatories:

Brendan Evans (Office Administrator) - Darren Bourne (Quality Senior Technician) - Paul Evans (Director)

Richard John (Quality/Technical Manager) - Shaun Jones (Laboratory manager) - Shaun Thomas (Site Manager)

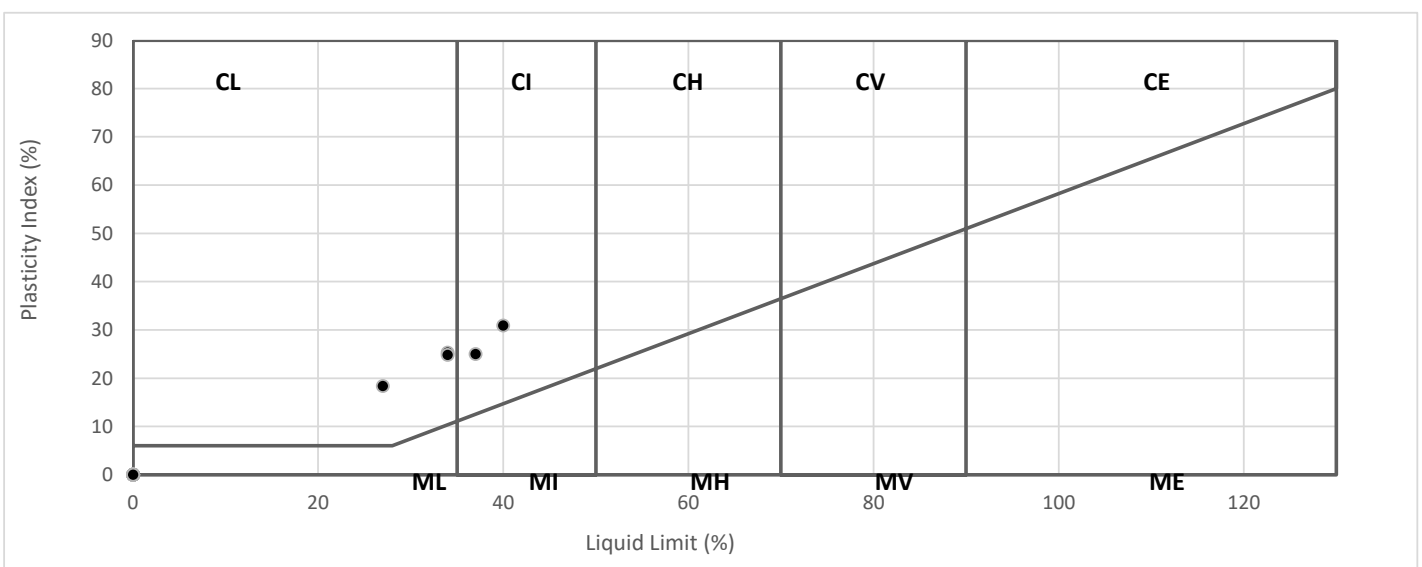
Wayne Honey (HR & HSE Manager)

Contract Number	73413	
Project Name	Bishop Hedley, Merthys Tydfil - Northern Area	
Date Tested	28/06/2024	

[illegible]

Symbols: NP : Non Plastic # : Liquid Limit and Plastic Limit Wet Sieved

PLASTICITY CHART FOR CASAGRANDE CLASSIFICATION BS 5930:2015+A1:2020



Operator
Aaron Hodge

Project Name

Bishop Hedley, Merthys Tydfil - Northern Area

Sample No.

Client

Integral Geotechnique (Wales) Limited

Depth Top

Date tested

02/07/2024

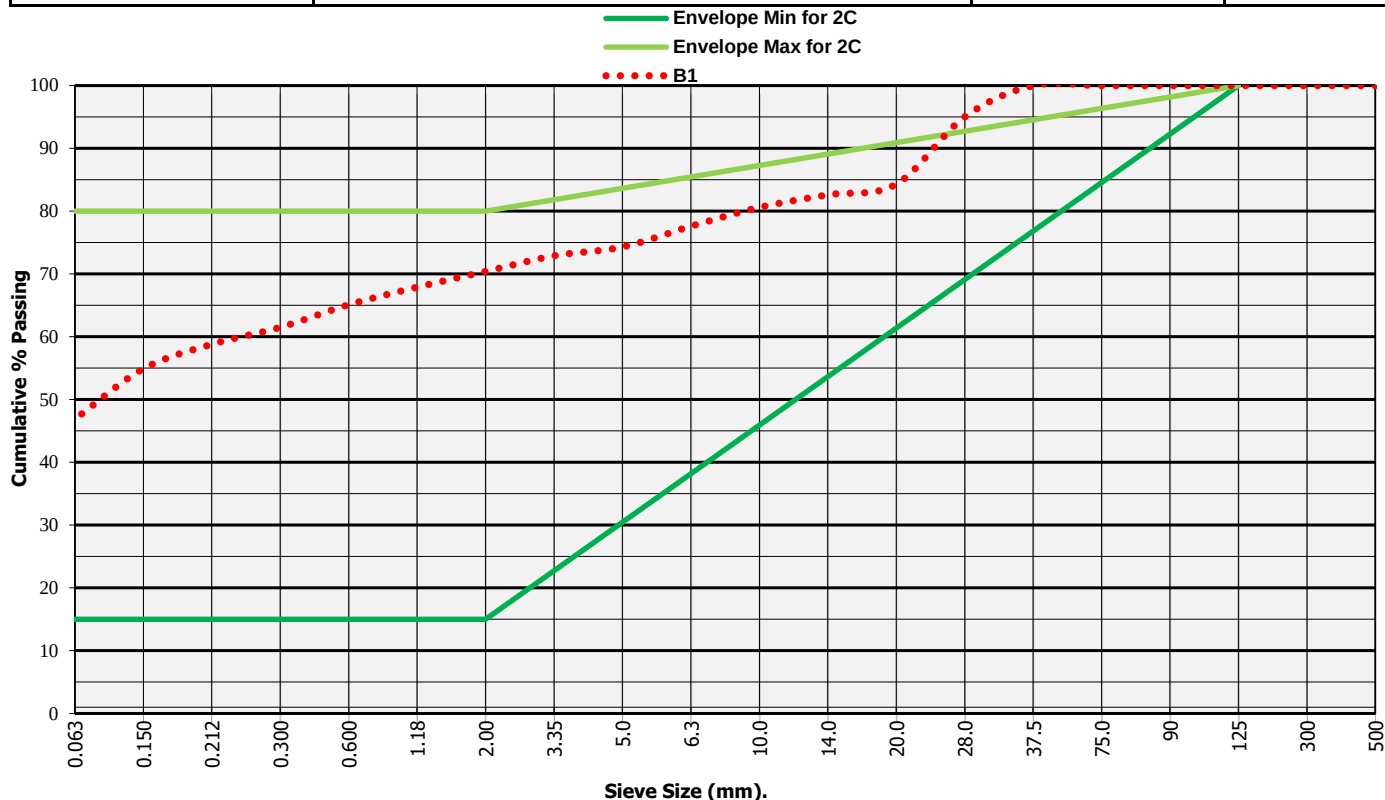
Depth Base

Sieving Method

Washing and Sieving

Sample Type

B



BS Test Sieve Size (mm)	Grading Requirement (%)	Percentage Passing (%)	Test Result
500		100	
300		100	
125	100	100	Pass
90		100	
75		100	
37.5		100	
28		95	
20		84	
14		83	
10		81	
6.3		78	
5.0		74	
3.35		73	
2.00	15-80	70	Pass
1.18		68	
0.600		65	
0.300		62	
0.212		59	
0.150		55	
0.063	15-80	47	Pass

The material submitted for testing complies with the grading requirements for 2C material for SHW Series 600 Table 6/2: (05/04) for Acceptable Earthworks Materials

Classification Identification Table

1A	1B	1C	2A&2B	2C	2D	6A
⊗	⊗	⊗	⊗	✓	⊗	⊗
6B	6C	6D	6E&6R	6F1	6F2	6F3
⊗	⊗	⊗	⊗	⊗	⊗	⊗
6H	6I&6J	6K	6L	6M	6N&6P	6S
⊗	⊗	⊗	⊗	⊗	⊗	⊗
7A	7C	7D	7E	7F	7I	TYPE 1 DV
✓	⊗	⊗	✓	✓	✓	⊗

Operator

JW

Project Name

Bishop Hedley, Merthys Tydfil - Northern Area

Sample No.

Client

Integral Geotechnique (Wales) Limited

Depth Top

Date tested

02/07/2024

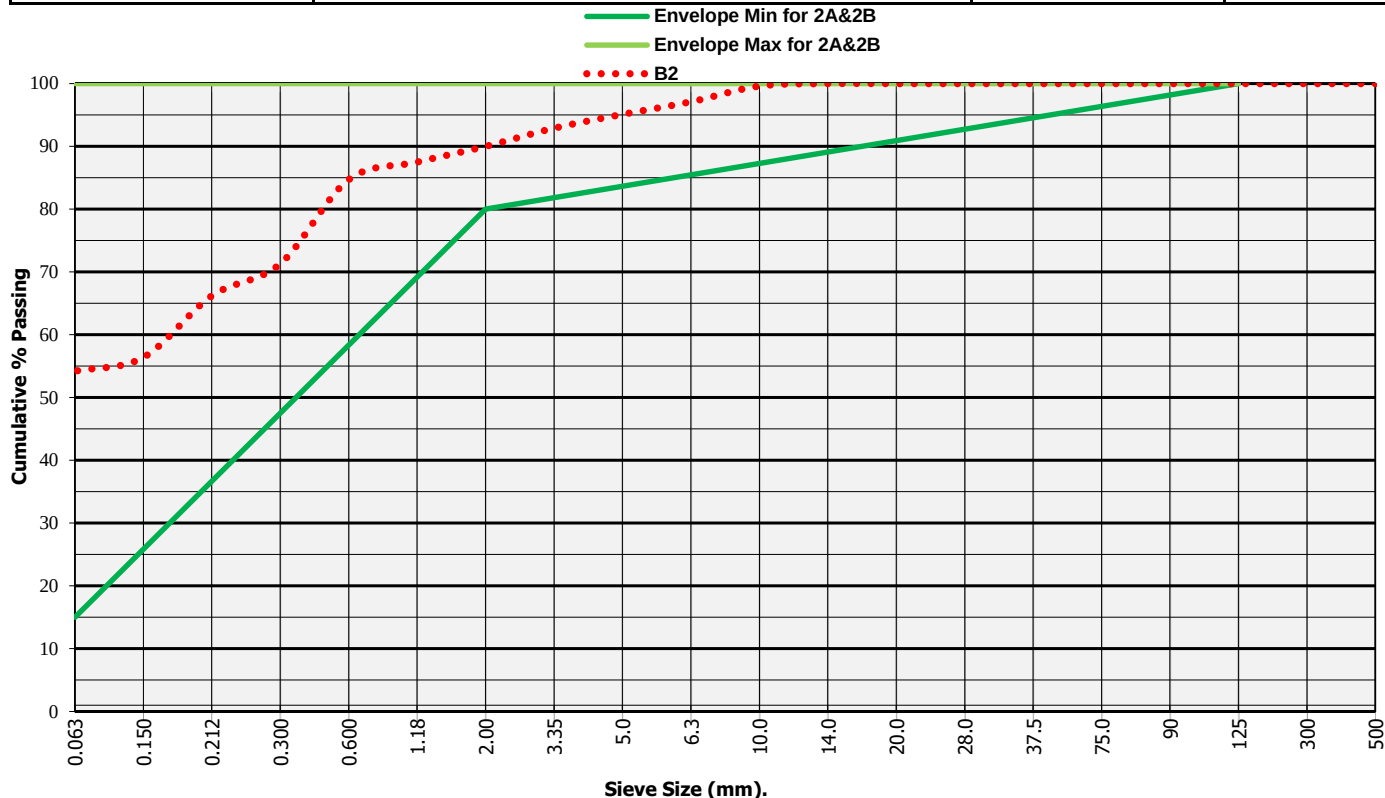
Depth Base

Sieving Method

Washing and Sieving

Sample Type

B



BS Test Sieve Size (mm)	Grading Requirement (%)	Percentage Passing (%)	Test Result
500		100	
300		100	
125	100	100	Pass
90		100	
75		100	
37.5		100	
28		100	
20		100	
14		100	
10		100	
6.3		97	
5.0		95	
3.35		93	
2.00	80-100	90	Pass
1.18		88	
0.600		85	
0.300		71	
0.212		66	
0.150		56	
0.063	15-100	54	Pass

The material submitted for testing complies with the grading requirements for 2A&2B material for SHW Series 600 Table 6/2: (05/04) for Acceptable Earthworks Materials

Classification Identification Table

1A	1B	1C	2A&2B	2C	2D	6A
⊗	⊗	⊗	⊗	⊗	⊗	⊗
6B	6C	6D	6E&6R	6F1	6F2	6F3
⊗	⊗	⊗	⊗	⊗	⊗	⊗
6H	6I&6J	6K	6L	6M	6N&6P	6S
⊗	⊗	⊗	⊗	⊗	⊗	⊗
7A	7C	7D	7E	7F	7I	TYPE 1 DV
✓	⊗	⊗	✓	✓	✓	⊗

Operator

JW

Project Name

Bishop Hedley, Merthys Tydfil - Northern Area

Sample No.

Client

Integral Geotechnique (Wales) Limited

Depth Top

Date tested

02/07/2024

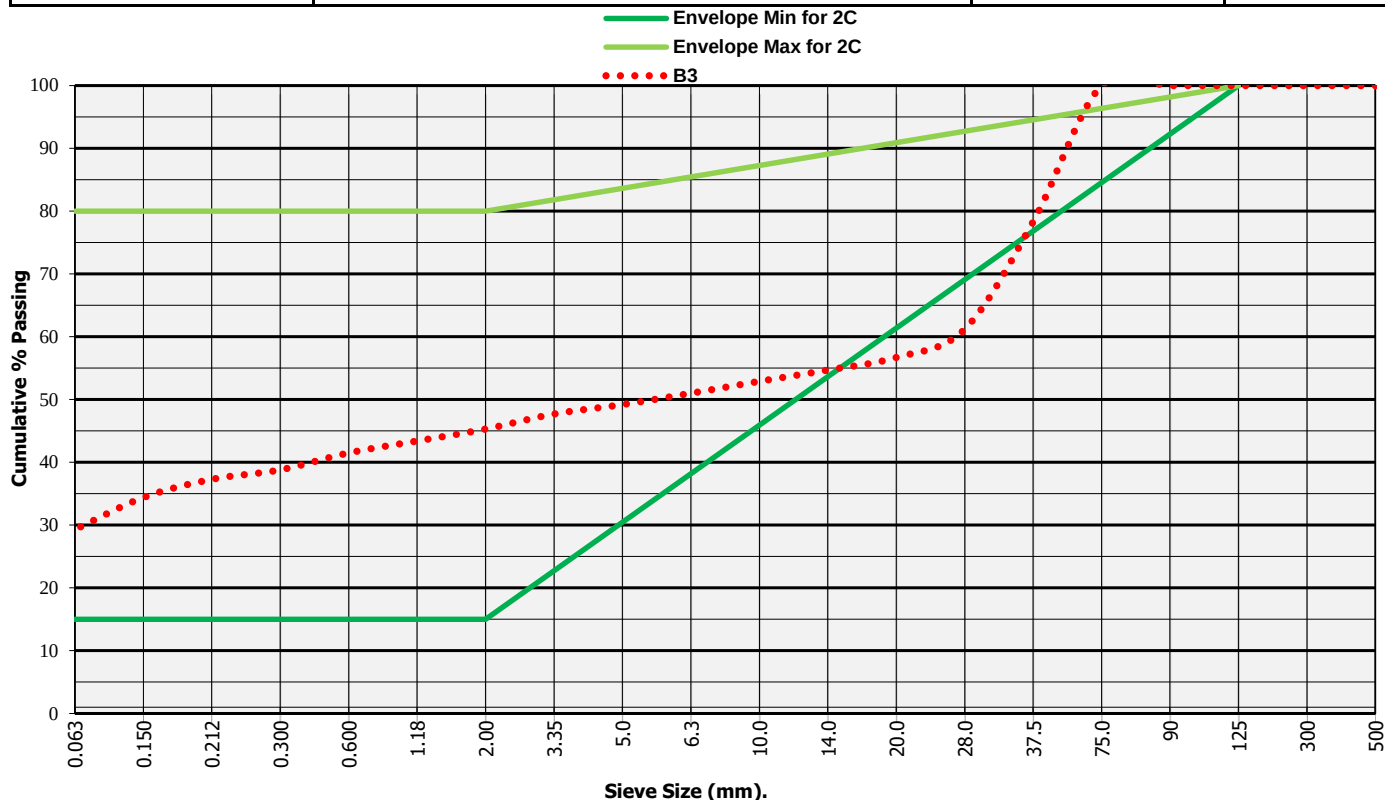
Depth Base

Sieving Method

Washing and Sieving

Sample Type

B



BS Test Sieve Size (mm)	Grading Requirement (%)	Percentage Passing (%)	Test Result
500		100	
300		100	
125	100	100	Pass
90		100	
75		100	
37.5		78	
28		61	
20		57	
14		55	
10		53	
6.3		51	
5.0		49	
3.35		48	
2.00	15-80	45	Pass
1.18		43	
0.600		42	
0.300		39	
0.212		37	
0.150		34	
0.063	15-80	29	Pass

The material submitted for testing complies with the grading requirements for 2C material for SHW Series 600 Table 6/2: (05/04) for Acceptable Earthworks Materials

Classification Identification Table

1A	1B	1C	2A&2B	2C	2D	6A
⊗	⊗	⊗	⊗	✓	⊗	⊗
6B	6C	6D	6E&6R	6F1	6F2	6F3
⊗	⊗	⊗	⊗	⊗	⊗	⊗
6H	6I&6J	6K	6L	6M	6N&6P	6S
⊗	⊗	⊗	⊗	⊗	⊗	⊗
7A	7C	7D	7E	7F	7I	TYPE 1 DV
✓	⊗	✓	⊗	✓	⊗	⊗

Operator

JW

Project Name

Bishop Hedley, Merthys Tydfil - Northern Area

Sample No.

Client

Integral Geotechnique (Wales) Limited

Depth Top

Date tested

02/07/2024

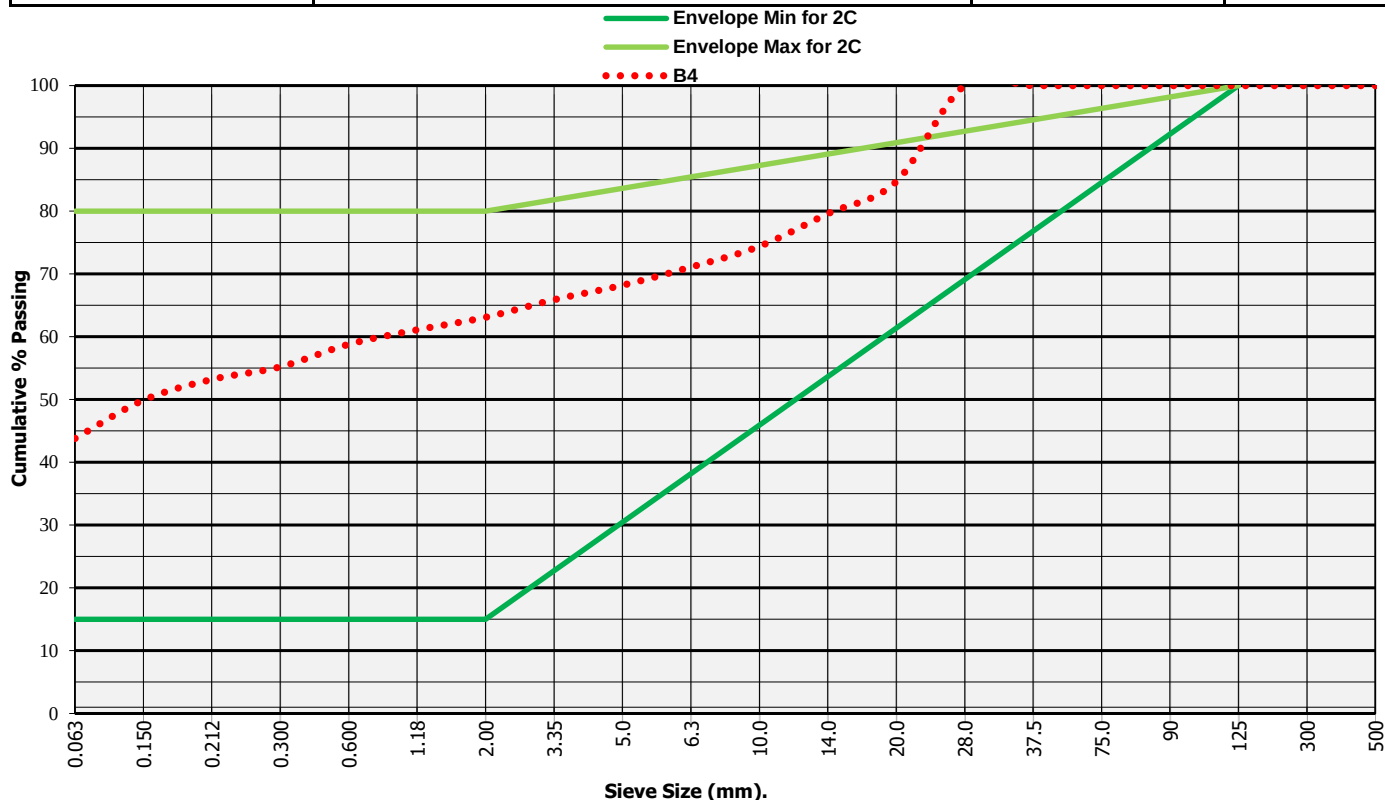
Depth Base

Sieving Method

Washing and Sieving

Sample Type

B



BS Test Sieve Size (mm)	Grading Requirement (%)	Percentage Passing (%)	Test Result
500		100	
300		100	
125	100	100	Pass
90		100	
75		100	
37.5		100	
28		100	
20		85	
14		80	
10		74	
6.3		71	
5.0		68	
3.35		66	
2.00	15-80	63	Pass
1.18		61	
0.600		59	
0.300		55	
0.212		53	
0.150		50	
0.063	15-80	44	Pass

The material submitted for testing complies with the grading requirements
 for 2C material for SHW Series 600 Table 6/2: (05/04) for Acceptable
 Earthworks Materials

Classification Identification Table

1A	1B	1C	2A&2B	2C	2D	6A
⊗	⊗	⊗	⊗	✓	⊗	⊗
6B	6C	6D	6E&6R	6F1	6F2	6F3
⊗	⊗	⊗	⊗	⊗	⊗	⊗
6H	6I&6J	6K	6L	6M	6N&6P	6S
⊗	⊗	⊗	⊗	⊗	⊗	⊗
7A	7C	7D	7E	7F	7I	TYPE 1 DV
✓	⊗	✓	✓	✓	✓	⊗

Operator

JW

Project Name

Bishop Hedley, Merthys Tydfil - Northern Area

Sample No.

Client

Integral Geotechnique (Wales) Limited

Depth Top

Date tested

02/07/2024

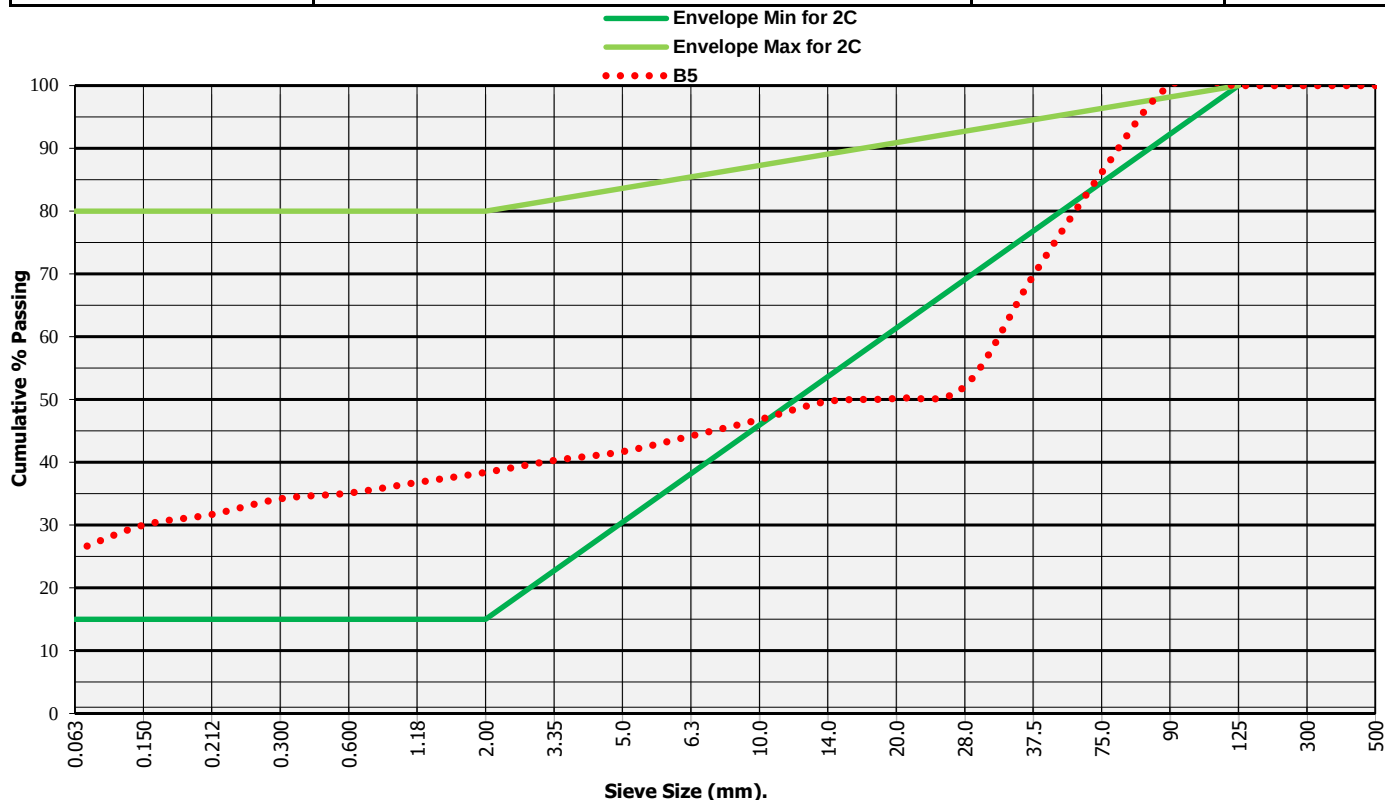
Depth Base

Sieving Method

Washing and Sieving

Sample Type

B



BS Test Sieve Size (mm)	Grading Requirement (%)	Percentage Passing (%)	Test Result
500		100	
300		100	
125	100	100	Pass
90		100	
75		86	
37.5		70	
28		52	
20		50	
14		50	
10		47	
6.3		44	
5.0		42	
3.35		40	
2.00	15-80	38	Pass
1.18		37	
0.600		35	
0.300		34	
0.212		32	
0.150		30	
0.063	15-80	26	Pass

The material submitted for testing complies with the grading requirements for 2C material for SHW Series 600 Table 6/2: (05/04) for Acceptable Earthworks Materials

Classification Identification Table

1A	1B	1C	2A&2B	2C	2D	6A
⊗	⊗	⊗	⊗	✓	⊗	⊗
6B	6C	6D	6E&6R	6F1	6F2	6F3
⊗	⊗	⊗	⊗	⊗	⊗	⊗
6H	6I&6J	6K	6L	6M	6N&6P	6S
⊗	⊗	⊗	⊗	⊗	⊗	⊗
7A	7C	7D	7E	7F	7I	TYPE 1 DV
⊗	⊗	✓	⊗	✓	⊗	⊗

Operator

JW

APPENDIX E

PLATE LOAD TEST RESULTS

Plate Load Test Settlement v Time Data

Date: 12.06.24

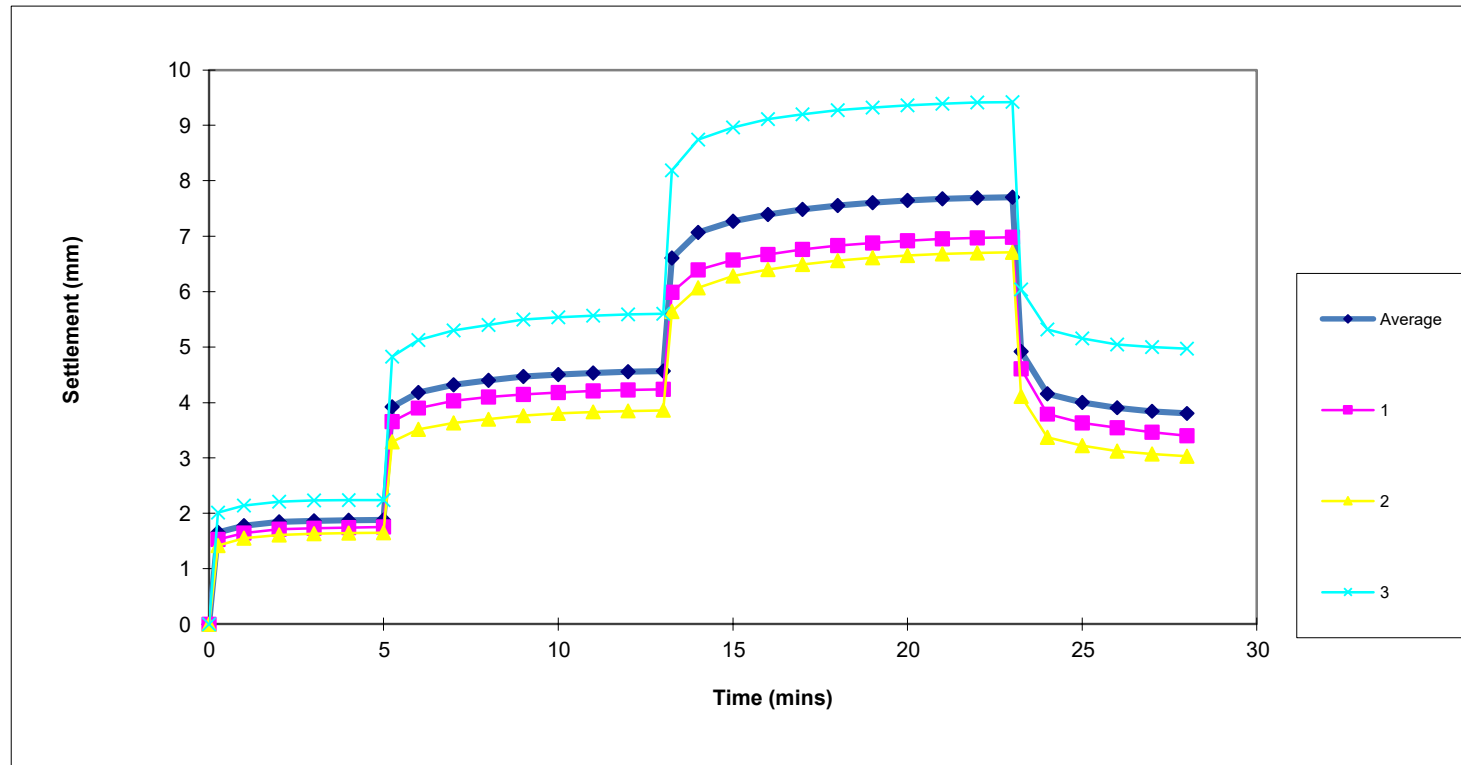
Seating Load: 7.5 kN/m^2 

**SOUTH WALES
GROUND TESTING**

SOUTH WALES GROUND TESTING

Plate Load Test Settlement v Time Graph

Test Reference: Plate Test 1
1m Uplift



Contract:

Bishop Hedley School

Date:

12.06.24

SOUTH WALES GROUND TESTING

PLATE LOAD TEST SUMMARY

Test Reference: Plate Test 1	Test Depth: 1m Uplift	Plate Diameter: 600mm	Soil Description: Class 2C
---------------------------------	--------------------------	-----------------------	----------------------------

Average Plate Settlement (mm)	Load (kN/m ²)	Time (mins)
0	0	0
1.88	50	5
4.57	100	13
7.70	150	23
3.80	0	28

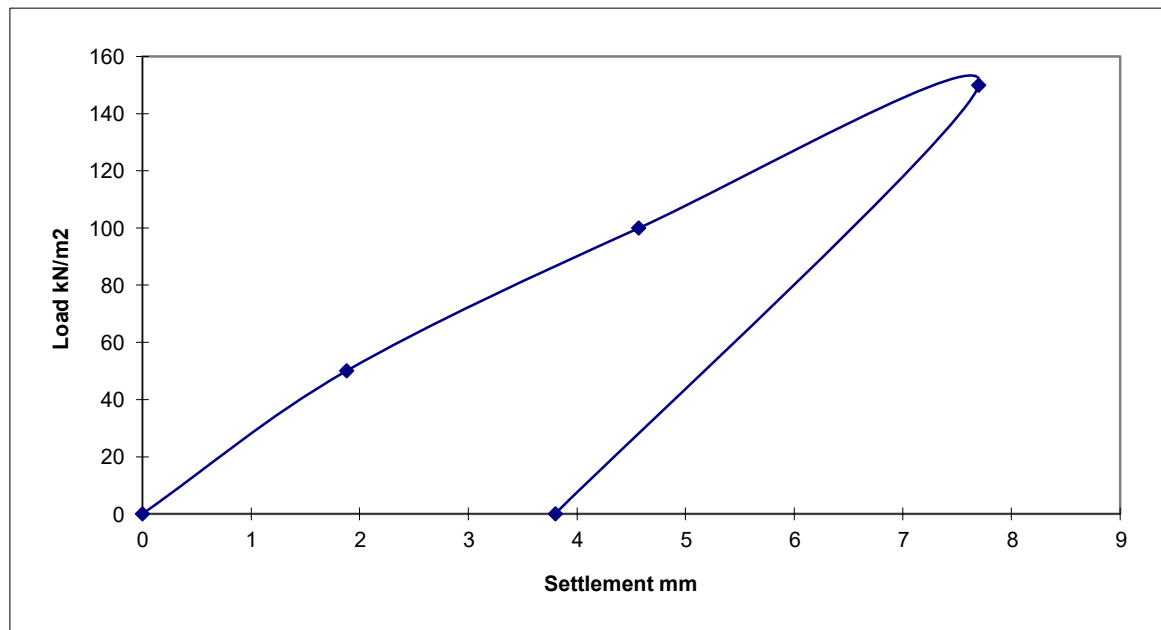
Deformation Modulus (E) 8.4 kN/m²

Degree of Rebound 50.6 %

Load required to achieve 1.25mm settlement 24.4 kN/m²

Modulus of subgrade reaction (k762) 22159 kPa/m

Approximate CBR value 3.7 %



Notes:

- 1: Circular steel plate bedded on uniform coarse sand.
- 2: Tracked excavator used as counter weight.
- 3: Load applied to plate via hydraulic jack and loading columns.
- 4: Each load increment applied until plate settlement less than 0.01mm per minute.
- 5: Plate settlement measured by three travel gauges fixed to datum beams.
- 6: Load measured using UKAS calibrated electric load cell.



**SOUTH WALES
GROUND TESTING**

Approved by :

David McArthur BSc MSc ARSM

REMARKS: Test carried out in accordance with BS1377.1990, Part 9.

k762 for 600mm circular plate = pressure required to achieve 1.25mm penetration x 0.91 (HD 25/94)

Size factor correction after Croney 1991. CBR derivation from CBR USA FAA (Tulebek and Brill)

CONTRACT:

Bishop Hedley School Merthyr

Date: 12.06.24

Sheet 1 of 1

SOUTH WALES GROUND TESTING

Plate Load Test Settlement v Time Data

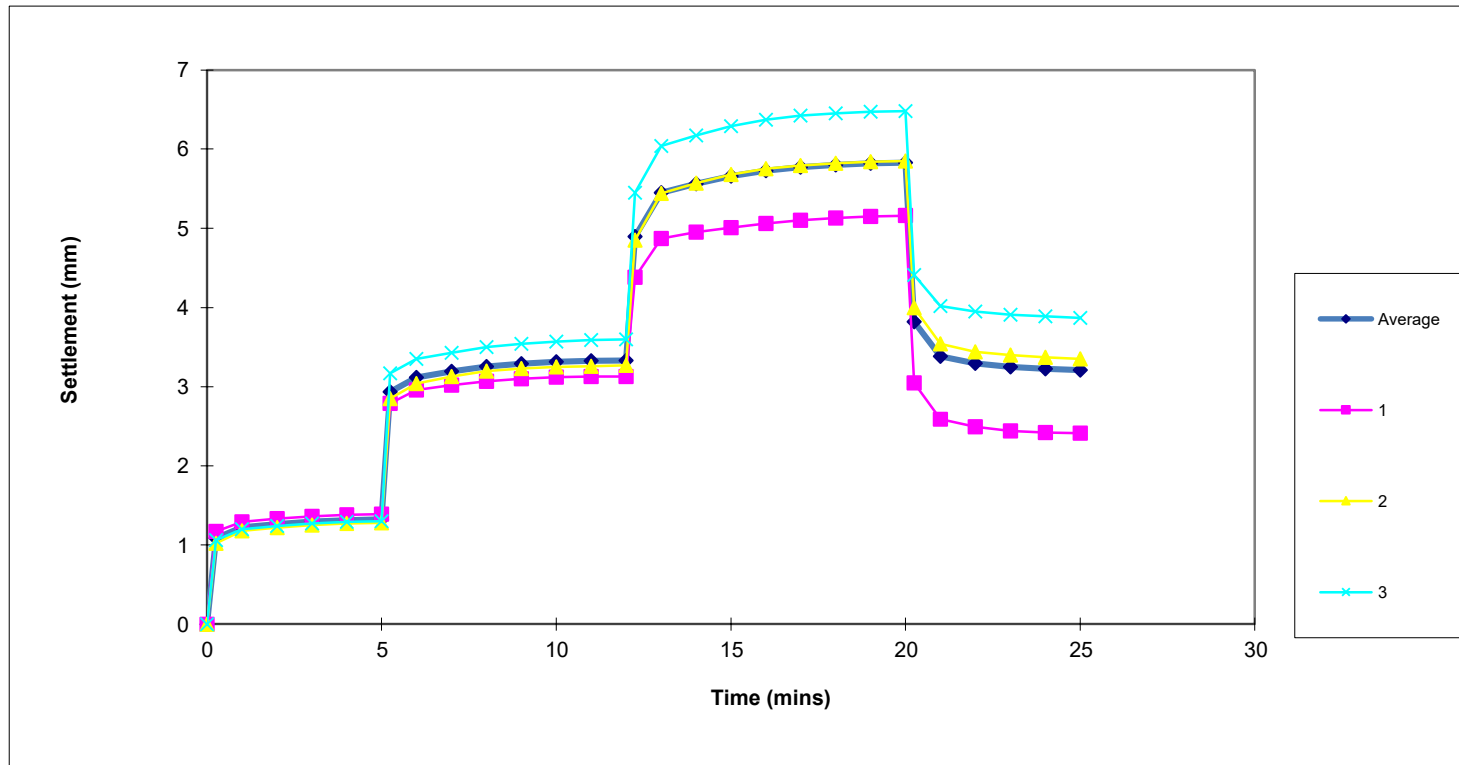
Contract: Bishop Hedley School			Date: 12.06.24
Test Reference:	Plate Test 2 1m Uplift	Test Depth: Surface	Plate Diameter: 600mm Seating Load: 7.5kN/m ²

	Time (mins)	Travel Gauges set on plate			Average Plate Settlement mm
		Gauge 1	Gauge 2	Gauge 3	
50kN/m ² Load	0	0	0	0	0
	0.25	1.17	1.02	1.06	1.08
	1	1.29	1.18	1.20	1.22
	2	1.33	1.22	1.24	1.26
	3	1.36	1.25	1.27	1.29
	4	1.38	1.27	1.29	1.31
	5	1.39	1.28	1.30	1.32
100kN/m ² Load	5.25	2.79	2.85	3.17	2.94
	6	2.96	3.04	3.35	3.12
	7	3.02	3.13	3.43	3.19
	8	3.07	3.20	3.50	3.26
	9	3.10	3.23	3.54	3.29
	10	3.12	3.25	3.57	3.31
	11	3.13	3.26	3.59	3.33
150kN/m ² Load	12	3.13	3.27	3.60	3.33
	12.25	4.38	4.85	5.45	4.89
	13	4.87	5.44	6.04	5.45
	14	4.95	5.57	6.17	5.56
	15	5.01	5.68	6.29	5.66
	16	5.06	5.75	6.37	5.73
	17	5.10	5.79	6.42	5.77
0kN/m ² Unload	18	5.13	5.82	6.45	5.80
	19	5.15	5.84	6.47	5.82
	20	5.16	5.85	6.48	5.83
	20.25	3.05	4.00	4.41	3.82
	21	2.59	3.54	4.02	3.38
	22	2.49	3.44	3.95	3.29
	23	2.44	3.40	3.91	3.25
	24	2.42	3.37	3.89	3.23
	25	2.41	3.35	3.87	3.21

SOUTH WALES GROUND TESTING

Plate Load Test Settlement v Time Graph

Test Reference: Plate Test 2
1m Uplift



Contract:

Bishop Hedley School

Date:

12.06.24

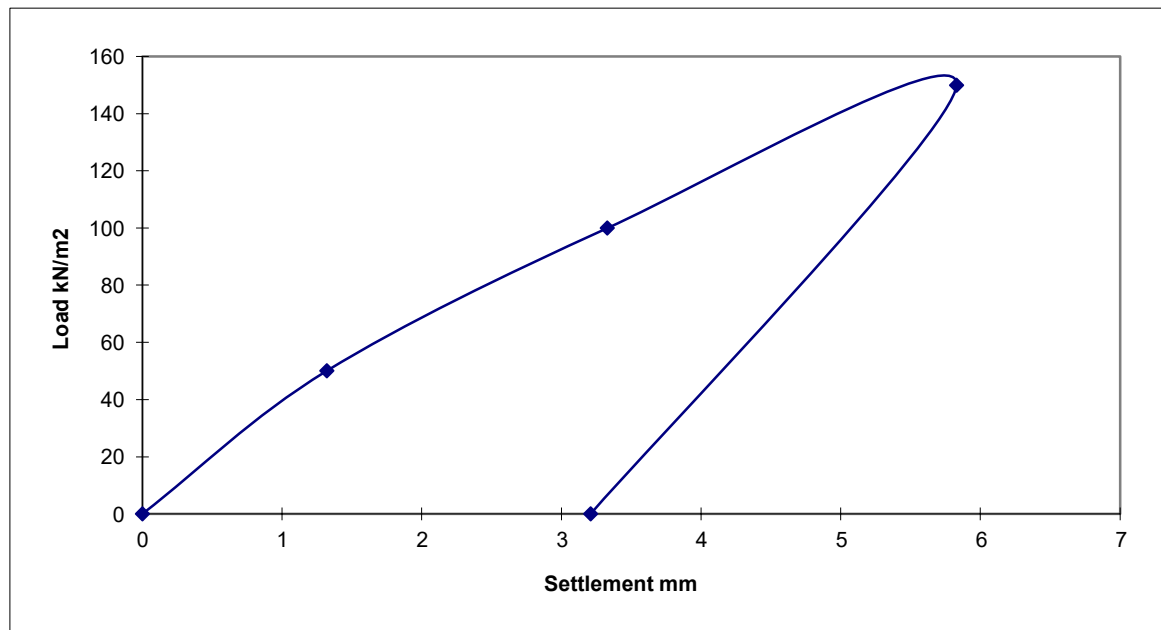
SOUTH WALES GROUND TESTING

PLATE LOAD TEST SUMMARY

Test Reference: Plate Test 2	Test Depth: 1m Uplift	Plate Diameter: 600mm	Soil Description: Class 2C
---------------------------------	--------------------------	-----------------------	----------------------------

Average Plate Settlement (mm)	Load (kN/m ²)	Time (mins)
0	0	0
1.32	50	5
3.33	100	12
5.83	150	20
3.21	0	25

Deformation Modulus (E)	11.1	kN/m ²
Degree of Rebound	44.9	%
Load required to achieve 1.25mm settlement	32.2	kN/m ²
Modulus of subgrade reaction (k762)	29267	kPa/m
Approximate CBR value	5.3	%



Notes:

- 1: Circular steel plate bedded on uniform coarse sand.
- 2: Tracked excavator used as counter weight.
- 3: Load applied to plate via hydraulic jack and loading columns.
- 4: Each load increment applied until plate settlement less than 0.01mm per minute.
- 5: Plate settlement measured by three travel gauges fixed to datum beams.
- 6: Load measured using UKAS calibrated electric load cell.



**SOUTH WALES
GROUND TESTING**

Approved by : *D. McArthur*

David McArthur BSc MSc ARSM

REMARKS: Test carried out in accordance with BS1377.1990, Part 9.

k762 for 600mm circular plate = pressure required to achieve 1.25mm penetration x 0.91 (HD 25/94)
Size factor correction after Croney 1991. CBR derivation from CBR USA FAA (Tulebek and Brill)

CONTRACT: Bishop Hedley School Merthyr

Date: 12.06.24
Sheet 1 of 1

Plate Load Test Settlement v Time Data

Date: 12.06.24

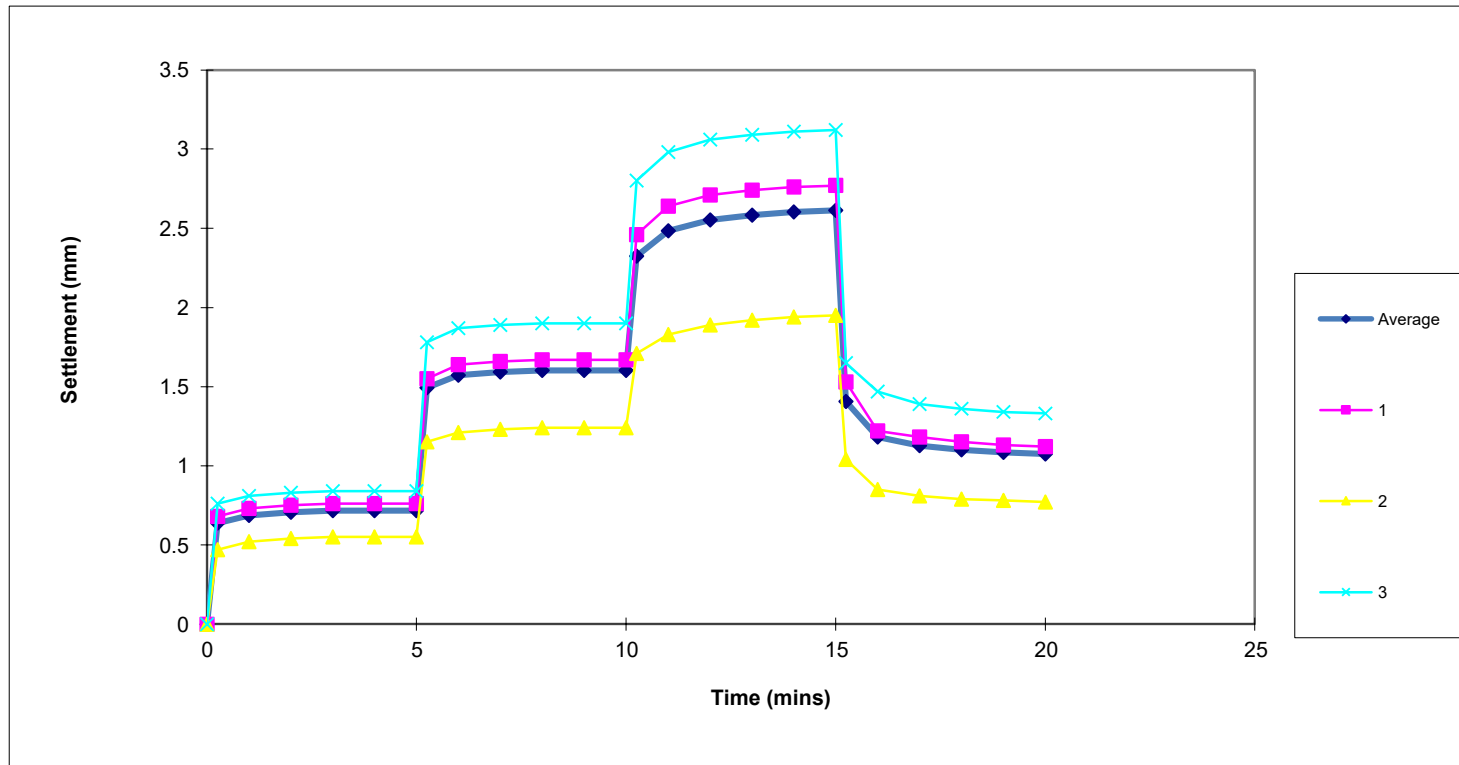
Seating Load: 7.5kN/m^2 

**SOUTH WALES
GROUND TESTING**

SOUTH WALES GROUND TESTING

Plate Load Test Settlement v Time Graph

Test Reference: Plate Test 3
1m Uplift



Contract:

Bishop Hedley School

Date:

12.06.24

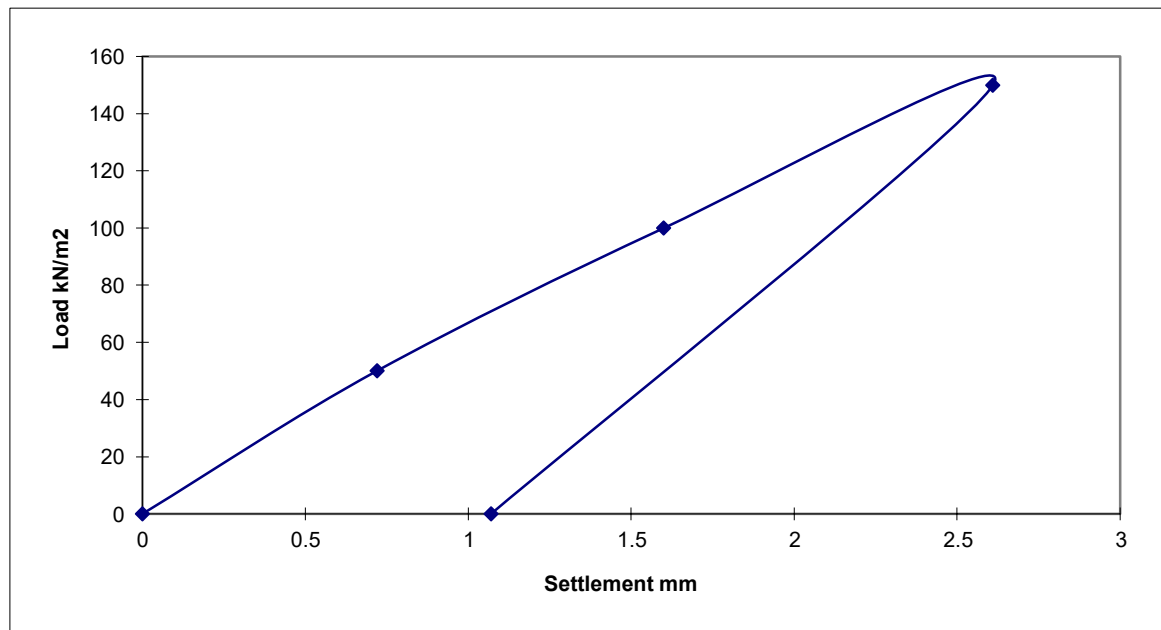
SOUTH WALES GROUND TESTING

PLATE LOAD TEST SUMMARY

Test Reference: Plate Test 3	Test Depth: 1m Uplift	Plate Diameter: 600mm	Soil Description: Class 2C
---------------------------------	--------------------------	-----------------------	----------------------------

Average Plate Settlement (mm)	Load (kN/m ²)	Time (mins)
0	0	0
0.72	50	5
1.60	100	10
2.61	150	15
1.07	0	20

Deformation Modulus (E)	24.7	kN/m ²
Degree of Rebound	59.0	%
Load required to achieve 1.25mm settlement	71.8	kN/m ²
Modulus of subgrade reaction (k762)	65374	kPa/m
Approximate CBR value	14.9	%



Notes:

- 1: Circular steel plate bedded on uniform coarse sand.
- 2: Tracked excavator used as counter weight.
- 3: Load applied to plate via hydraulic jack and loading columns.
- 4: Each load increment applied until plate settlement less than 0.01mm per minute.
- 5: Plate settlement measured by three travel gauges fixed to datum beams.
- 6: Load measured using UKAS calibrated electric load cell.



**SOUTH WALES
GROUND TESTING**

Approved by : *D. McArthur*

David McArthur BSc MSc ARSM

REMARKS: Test carried out in accordance with BS1377.1990, Part 9.

k762 for 600mm circular plate = pressure required to achieve 1.25mm penetration x 0.91 (HD 25/94)
Size factor correction after Croney 1991. CBR derivation from CBR USA FAA (Tulebek and Brill)

CONTRACT: Bishop Hedley School Merthyr

Date: 12.06.24
Sheet 1 of 1

SOUTH WALES GROUND TESTING

Plate Load Test Settlement v Time Data

Contract: Bishop Hedley School

Date: 12.06.24

Test Reference: Plate Test 4
1m Uplift

Test Depth: Surface

Plate Diameter: 600mm

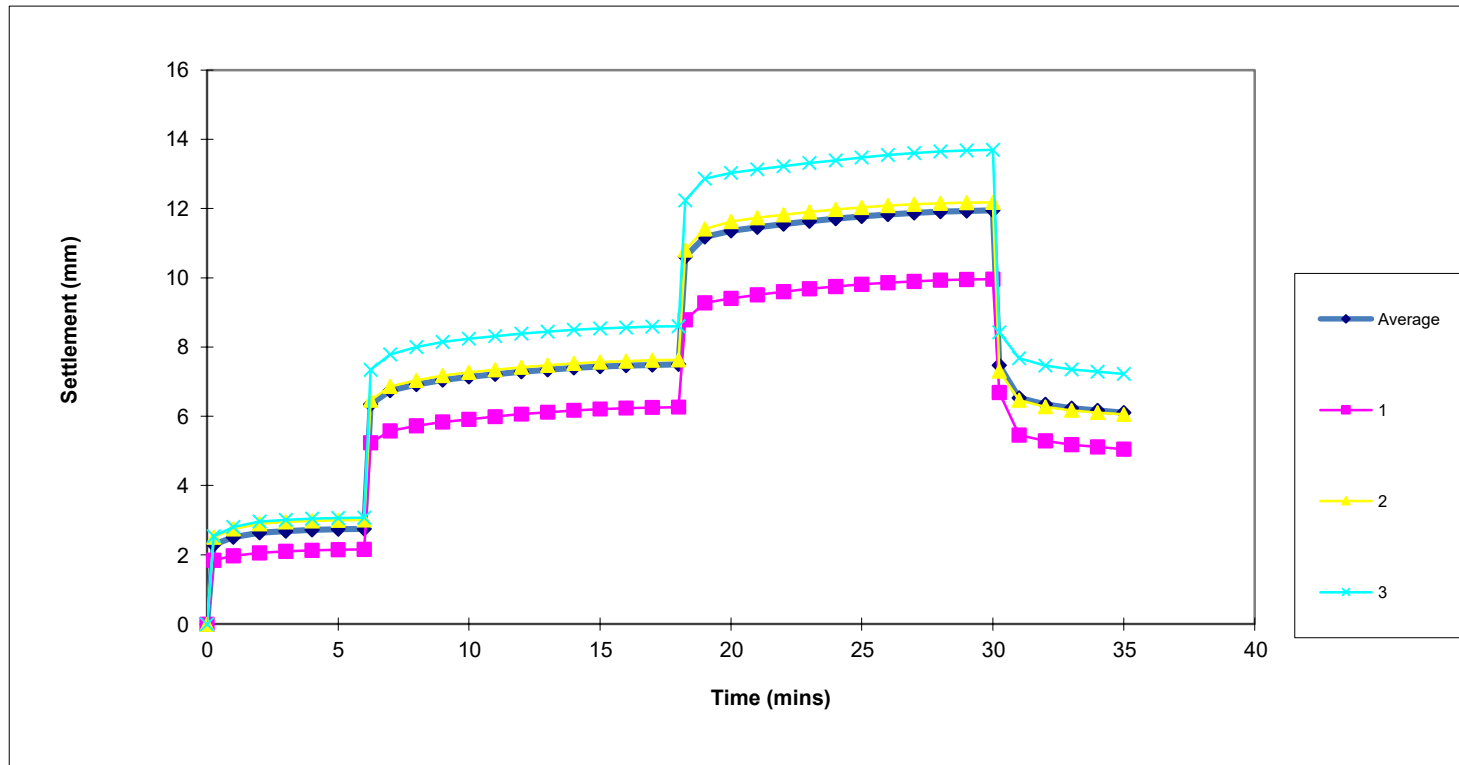
Seating Load: 7.5kN/m²

	Time (mins)	Travel Gauges set on plate			Average Plate Settlement mm
		Gauge 1	Gauge 2	Gauge 3	
50kN/m ² Load	0	0	0	0	0
	0.25	1.84	2.51	2.54	2.30
	1	1.97	2.75	2.80	2.51
	2	2.06	2.90	2.96	2.64
	3	2.10	2.95	3.01	2.69
	4	2.13	2.98	3.04	2.72
	5	2.15	3.00	3.06	2.74
	6	2.16	3.01	3.07	2.75
100kN/m ² Load	6.25	5.23	6.47	7.35	6.35
	7	5.57	6.87	7.79	6.74
	8	5.72	7.04	8.00	6.92
	9	5.83	7.18	8.15	7.05
	10	5.91	7.27	8.24	7.14
	11	5.99	7.35	8.32	7.22
	12	6.06	7.42	8.39	7.29
	13	6.12	7.48	8.45	7.35
	14	6.17	7.53	8.50	7.40
	15	6.21	7.57	8.54	7.44
	16	6.24	7.60	8.57	7.47
	17	6.26	7.62	8.59	7.49
	18	6.27	7.63	8.60	7.50
	18.25	8.79	10.80	12.23	10.61
	19	9.28	11.41	12.86	11.18
	20	9.41	11.62	13.03	11.35
	21	9.51	11.73	13.13	11.46
	22	9.60	11.82	13.22	11.55
150kN/m ² Load	23	9.68	11.90	13.31	11.63
	24	9.75	11.97	13.39	11.70
	25	9.81	12.03	13.47	11.77
	26	9.86	12.08	13.54	11.83
	27	9.90	12.12	13.60	11.87
	28	9.93	12.15	13.64	11.91
	29	9.95	12.17	13.67	11.93
	30	9.96	12.18	13.69	11.94
0kN/m ² Unload	30.25	6.69	7.31	8.43	7.48
	31	5.45	6.47	7.68	6.53
	32	5.29	6.28	7.47	6.35
	33	5.18	6.17	7.36	6.24
	34	5.11	6.11	7.29	6.17
	35	5.05	6.05	7.23	6.11

SOUTH WALES GROUND TESTING

Plate Load Test Settlement v Time Graph

Test Reference: Plate Test 4
1m Uplift



Contract:

Bishop Hedley School

Date:

12.06.24

SOUTH WALES GROUND TESTING

PLATE LOAD TEST SUMMARY

Test Reference: Plate Test 4	Test Depth: 1m Uplift	Plate Diameter: 600mm	Soil Description: Class 2C
---------------------------------	--------------------------	-----------------------	----------------------------

Average Plate Settlement (mm)	Load (kN/m ²)	Time (mins)
0	0	0
2.75	50	6
7.50	100	18
11.94	150	30
6.11	0	35

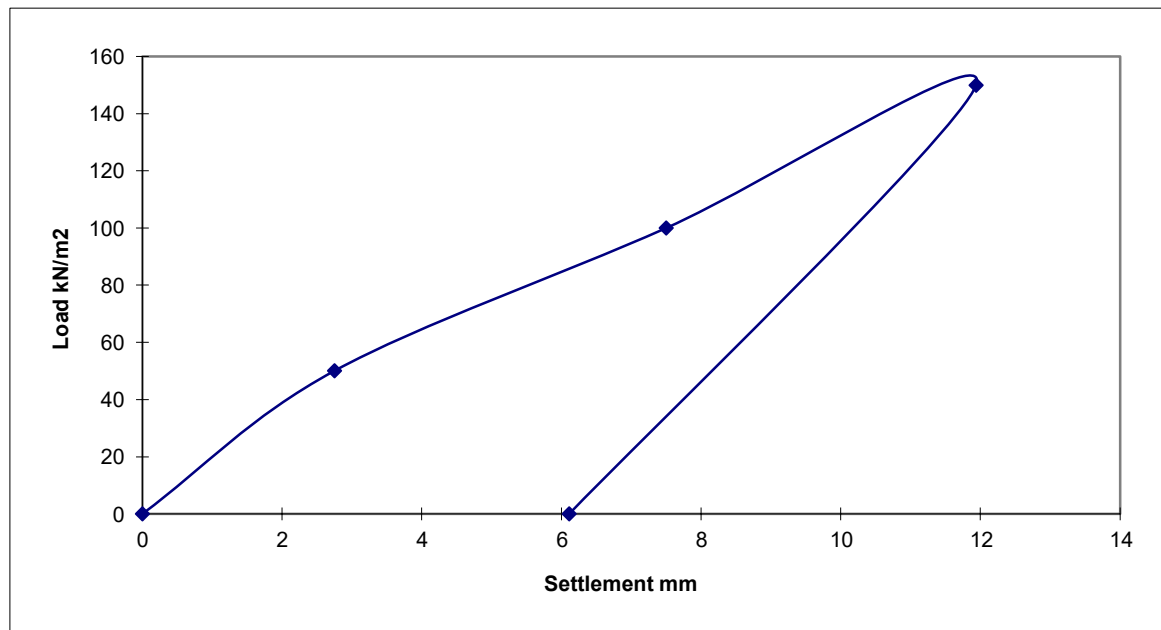
Deformation Modulus (E) 5.4 kN/m²

Degree of Rebound 48.8 %

Load required to achieve 1.25mm settlement 15.7 kN/m²

Modulus of subgrade reaction (k762) 14290 kPa/m

Approximate CBR value 2.1 %



Notes:

- 1: Circular steel plate bedded on uniform coarse sand.
- 2: Tracked excavator used as counter weight.
- 3: Load applied to plate via hydraulic jack and loading columns.
- 4: Each load increment applied until plate settlement less than 0.01mm per minute.
- 5: Plate settlement measured by three travel gauges fixed to datum beams.
- 6: Load measured using UKAS calibrated electric load cell.



**SOUTH WALES
GROUND TESTING**

Approved by :

D. McArthur

David McArthur BSc MSc ARSM

REMARKS: Test carried out in accordance with BS1377.1990, Part 9.

k762 for 600mm circular plate = pressure required to achieve 1.25mm penetration x 0.91 (HD 25/94)

Size factor correction after Croney 1991. CBR derivation from CBR USA FAA (Tulebek and Brill)

CONTRACT:

Bishop Hedley School Merthyr

Date: 12.06.24

Sheet 1 of 1

Plate Load Test Settlement v Time Data

Date: 20.06.24

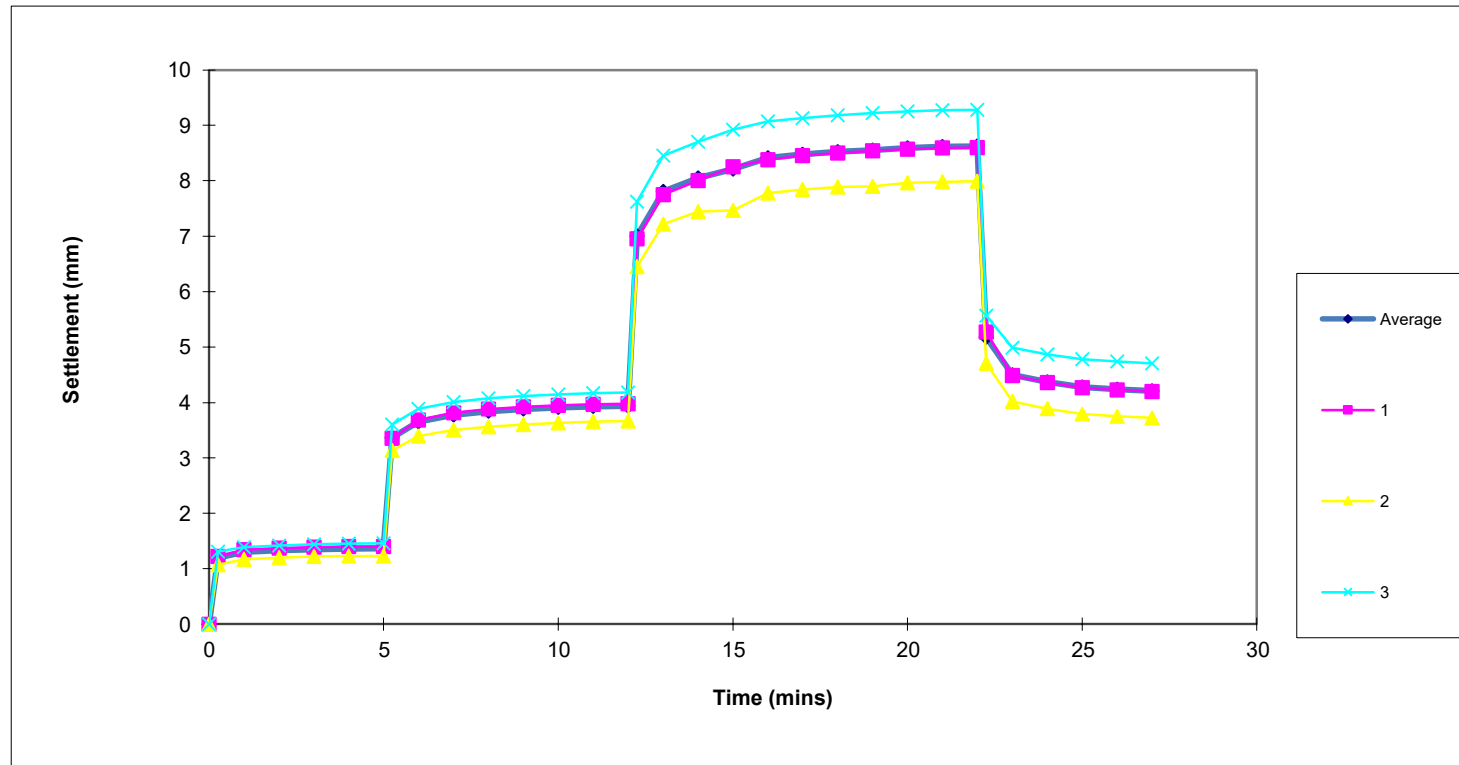
Seating Load: 7.5kN/m^2 

**SOUTH WALES
GROUND TESTING**

SOUTH WALES GROUND TESTING

Plate Load Test Settlement v Time Graph

Test Reference: Plate Test 5
2m Uplift



Contract:

Bishop Hedley School

Date:

20.06.24

SOUTH WALES GROUND TESTING

PLATE LOAD TEST SUMMARY

Test Reference: Plate Test 5	Test Depth: 2m Uplift	Plate Diameter: 600mm	Soil Description: Class 2C
---------------------------------	--------------------------	-----------------------	----------------------------

Average Plate Settlement (mm)	Load (kN/m ²)	Time (mins)
0	0	0
1.36	50	5
3.94	100	12
8.62	150	22
4.21	0	27

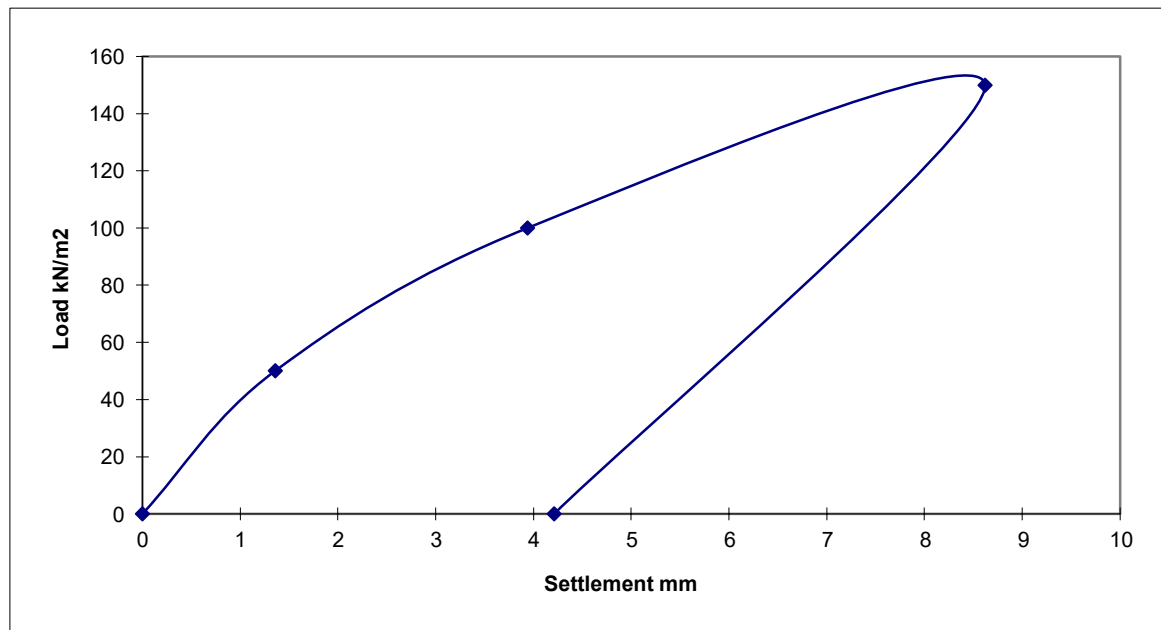
Deformation Modulus (E) 7.5 kN/m²

Degree of Rebound 51.2 %

Load required to achieve 1.25mm settlement 21.8 kN/m²

Modulus of subgrade reaction (k762) 19794 kPa/m

Approximate CBR value 3.2 %



Notes:

- 1: Circular steel plate bedded on uniform coarse sand.
- 2: Tracked excavator used as counter weight.
- 3: Load applied to plate via hydraulic jack and loading columns.
- 4: Each load increment applied until plate settlement less than 0.01mm per minute.
- 5: Plate settlement measured by three travel gauges fixed to datum beams.
- 6: Load measured using UKAS calibrated electric load cell.



**SOUTH WALES
GROUND TESTING**

Approved by :

D. McArthur

David McArthur BSc MSc ARSM

REMARKS: Test carried out in accordance with BS1377.1990, Part 9.

k762 for 600mm circular plate = pressure required to achieve 1.25mm penetration x 0.91 (HD 25/94)

Size factor correction after Croney 1991. CBR derivation from CBR USA FAA (Tulebek and Brill)

CONTRACT:

Bishop Hedley School Merthyr

Date: 20.06.24

Sheet 1 of 1

SOUTH WALES GROUND TESTING

Plate Load Test Settlement v Time Data

Contract: Bishop Hedley School

Date: 20.06.24

Test Reference: Plate Test 6
2m Uplift

Test Depth: Surface

Plate Diameter: 600mm

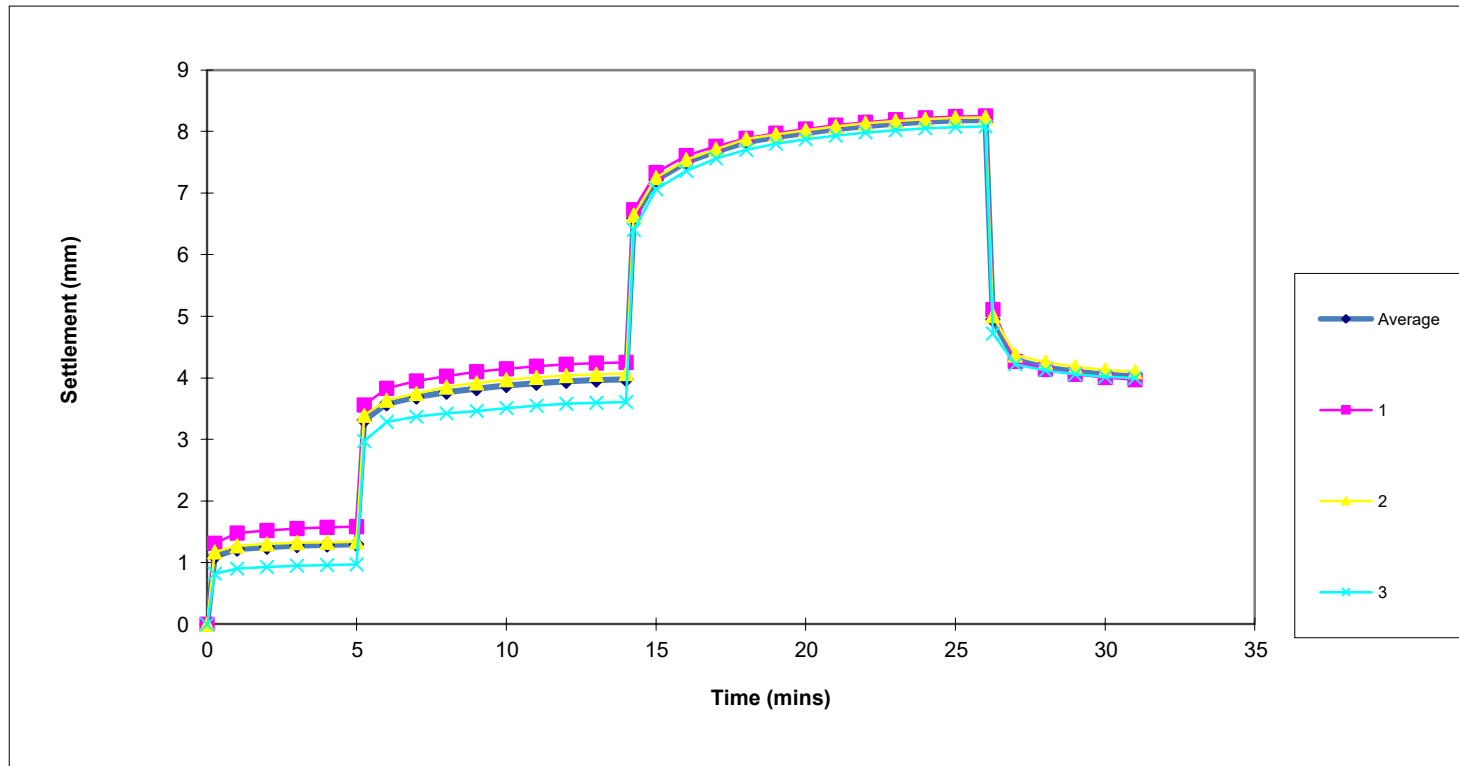
Seating Load: 7.5kN/m²

	Time (mins)	Travel Gauges set on plate			Average Plate Settlement mm
		Gauge 1	Gauge 2	Gauge 3	
50kN/m ² Load	0	0	0	0	0
	0.25	1.31	1.17	0.82	1.10
	1	1.48	1.27	0.90	1.22
	2	1.52	1.30	0.93	1.25
	3	1.55	1.32	0.95	1.27
	4	1.57	1.33	0.96	1.29
	5	1.58	1.34	0.97	1.30
100kN/m ² Load	5.25	3.56	3.39	2.97	3.31
	6	3.83	3.64	3.28	3.58
	7	3.95	3.75	3.37	3.69
	8	4.03	3.85	3.42	3.77
	9	4.10	3.92	3.46	3.83
	10	4.15	3.97	3.51	3.88
	11	4.19	4.01	3.55	3.92
	12	4.22	4.04	3.58	3.95
	13	4.24	4.06	3.60	3.97
	14	4.25	4.07	3.61	3.98
	14.25	6.73	6.64	6.40	6.59
	15	7.33	7.25	7.06	7.21
	16	7.61	7.54	7.36	7.50
	17	7.76	7.71	7.56	7.68
150kN/m ² Load	18	7.89	7.88	7.70	7.82
	19	7.97	7.95	7.80	7.91
	20	8.04	8.02	7.87	7.98
	21	8.10	8.08	7.93	8.04
	22	8.15	8.13	7.98	8.09
	23	8.19	8.17	8.02	8.13
	24	8.22	8.20	8.05	8.16
	25	8.24	8.22	8.07	8.18
	26	8.25	8.23	8.08	8.19
	26.25	5.11	5.01	4.72	4.95
	27	4.27	4.37	4.22	4.29
	28	4.14	4.25	4.12	4.17
	29	4.06	4.18	4.06	4.10
	30	4.01	4.13	4.02	4.05
0kN/m ² Unload	31	3.97	4.10	4.00	4.02

SOUTH WALES GROUND TESTING

Plate Load Test Settlement v Time Graph

Test Reference: Plate Test 6
2m Uplift



Contract:

Bishop Hedley School

Date:

20.06.24

SOUTH WALES GROUND TESTING

PLATE LOAD TEST SUMMARY

Test Reference: Plate Test 6	Test Depth: 2m Uplift	Plate Diameter: 600mm	Soil Description: Class 2C
---------------------------------	--------------------------	-----------------------	----------------------------

Average Plate Settlement (mm)	Load (kN/m ²)	Time (mins)
0	0	0
1.30	50	5
3.98	100	14
8.19	150	26
4.02	0	31

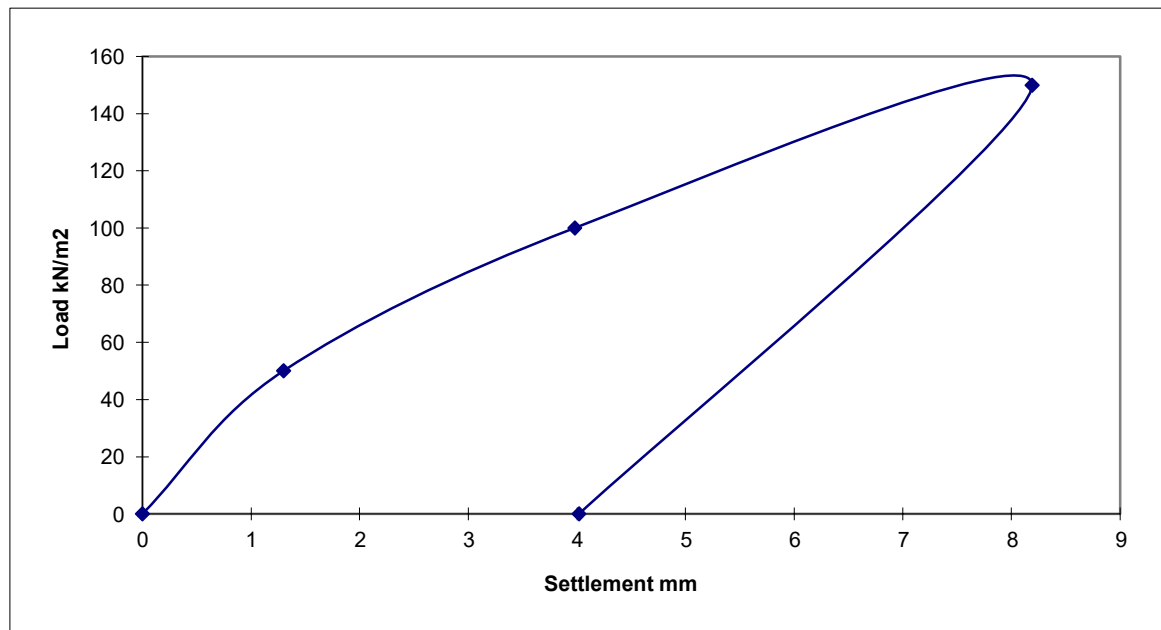
Deformation Modulus (E) 7.9 kN/m²

Degree of Rebound 50.9 %

Load required to achieve 1.25mm settlement 22.9 kN/m²

Modulus of subgrade reaction (k762) 20833 kPa/m

Approximate CBR value 3.4 %



Notes:

- 1: Circular steel plate bedded on uniform coarse sand.
- 2: Tracked excavator used as counter weight.
- 3: Load applied to plate via hydraulic jack and loading columns.
- 4: Each load increment applied until plate settlement less than 0.01mm per minute.
- 5: Plate settlement measured by three travel gauges fixed to datum beams.
- 6: Load measured using UKAS calibrated electric load cell.



**SOUTH WALES
GROUND TESTING**

Approved by :

D. McArthur

David McArthur BSc MSc ARSM

REMARKS: Test carried out in accordance with BS1377.1990, Part 9.

k762 for 600mm circular plate = pressure required to achieve 1.25mm penetration x 0.91 (HD 25/94)

Size factor correction after Croney 1991. CBR derivation from CBR USA FAA (Tulebek and Brill)

CONTRACT:

Bishop Hedley School Merthyr

Date: 20.06.24

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Plate Load Test Settlement v Time Data

Date: 20.06.24

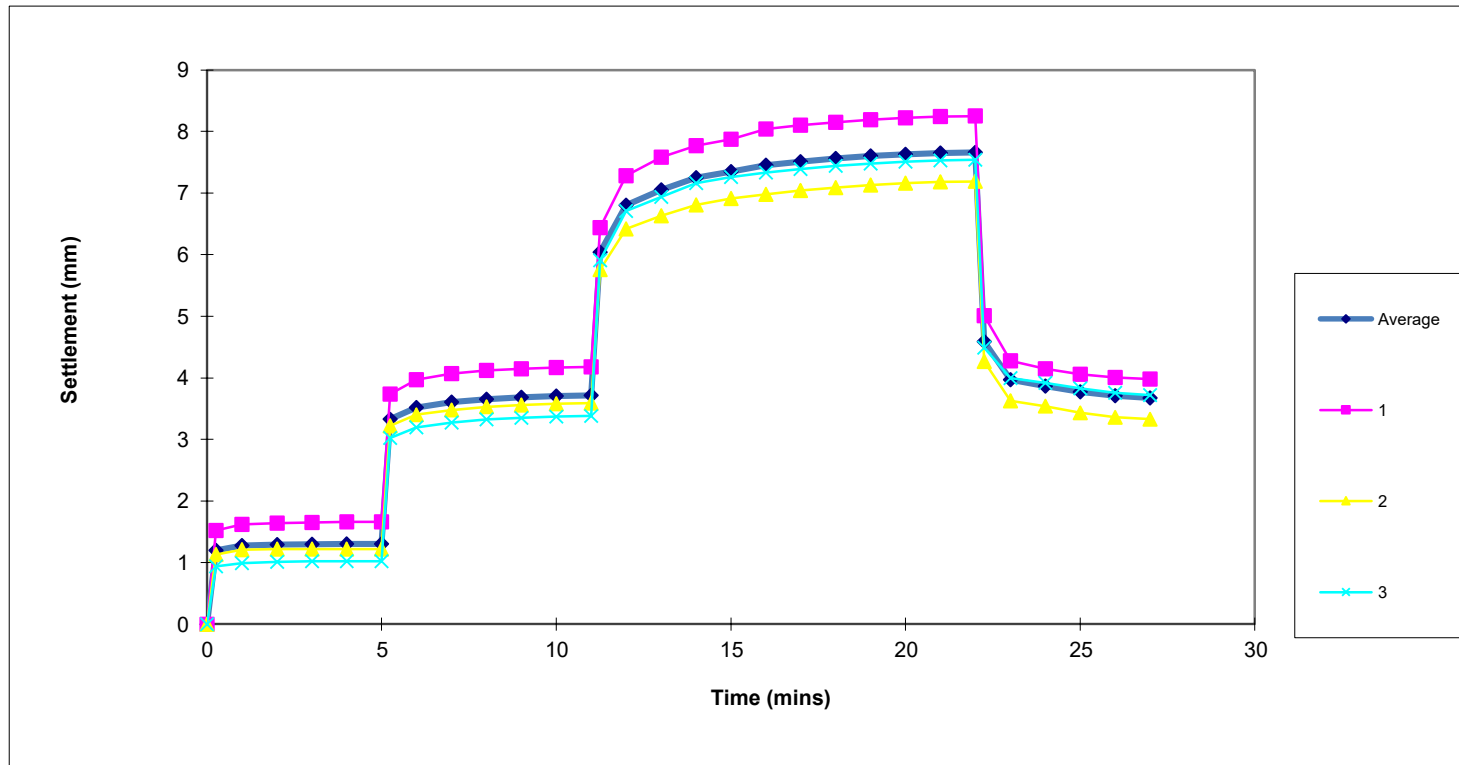
Seating Load: 7.5 kN/m^2 

**SOUTH WALES
GROUND TESTING**

SOUTH WALES GROUND TESTING

Plate Load Test Settlement v Time Graph

Test Reference: Plate Test 7
2m Uplift



Contract:

Bishop Hedley School

Date:

20.06.24

SOUTH WALES GROUND TESTING

PLATE LOAD TEST SUMMARY

Test Reference: Plate Test 7	Test Depth: 2m Uplift	Plate Diameter: 600mm	Soil Description: Class 2C
---------------------------------	--------------------------	-----------------------	----------------------------

Average Plate Settlement (mm)	Load (kN/m ²)	Time (mins)
0	0	0
1.30	50	5
3.72	100	11
7.66	150	22
3.68	0	27

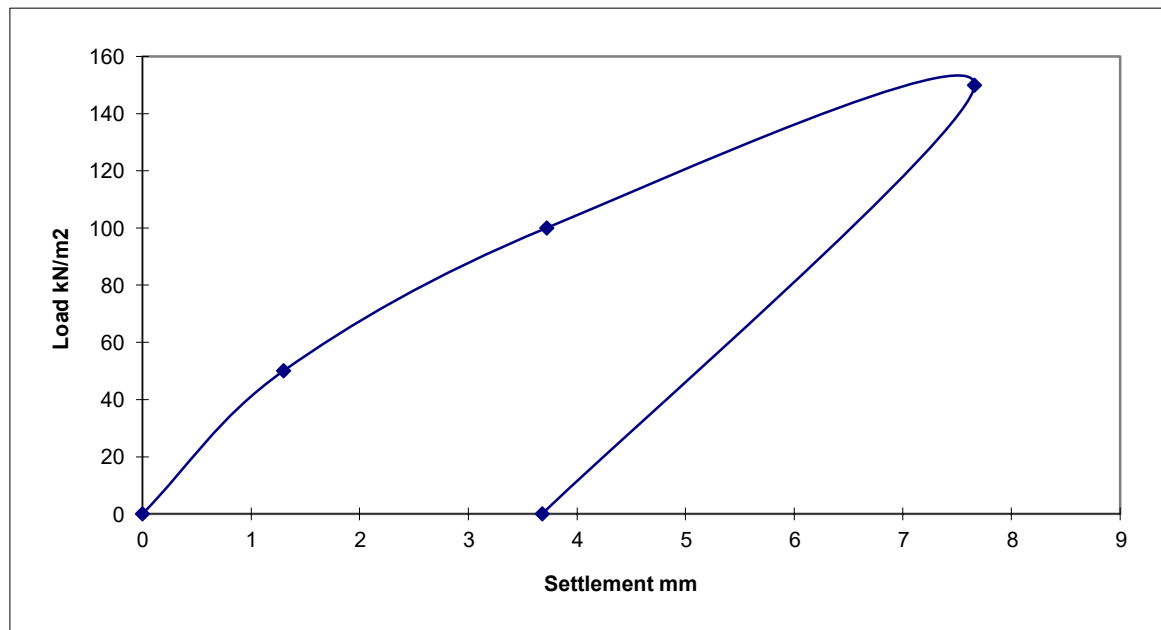
Deformation Modulus (E) 8.4 kN/m²

Degree of Rebound 52.0 %

Load required to achieve 1.25mm settlement 24.5 kN/m²

Modulus of subgrade reaction (k762) 22275 kPa/m

Approximate CBR value 3.7 %



Notes:

- 1: Circular steel plate bedded on uniform coarse sand.
- 2: Tracked excavator used as counter weight.
- 3: Load applied to plate via hydraulic jack and loading columns.
- 4: Each load increment applied until plate settlement less than 0.01mm per minute.
- 5: Plate settlement measured by three travel gauges fixed to datum beams.
- 6: Load measured using UKAS calibrated electric load cell.



**SOUTH WALES
GROUND TESTING**

Approved by :

D. McArthur

David McArthur BSc MSc ARSM

REMARKS: Test carried out in accordance with BS1377.1990, Part 9.

k762 for 600mm circular plate = pressure required to achieve 1.25mm penetration x 0.91 (HD 25/94)

Size factor correction after Croney 1991. CBR derivation from CBR USA FAA (Tulebek and Brill)

CONTRACT:

Bishop Hedley School Merthyr

Date: 20.06.24

Sheet 1 of 1

Plate Load Test Settlement v Time Data

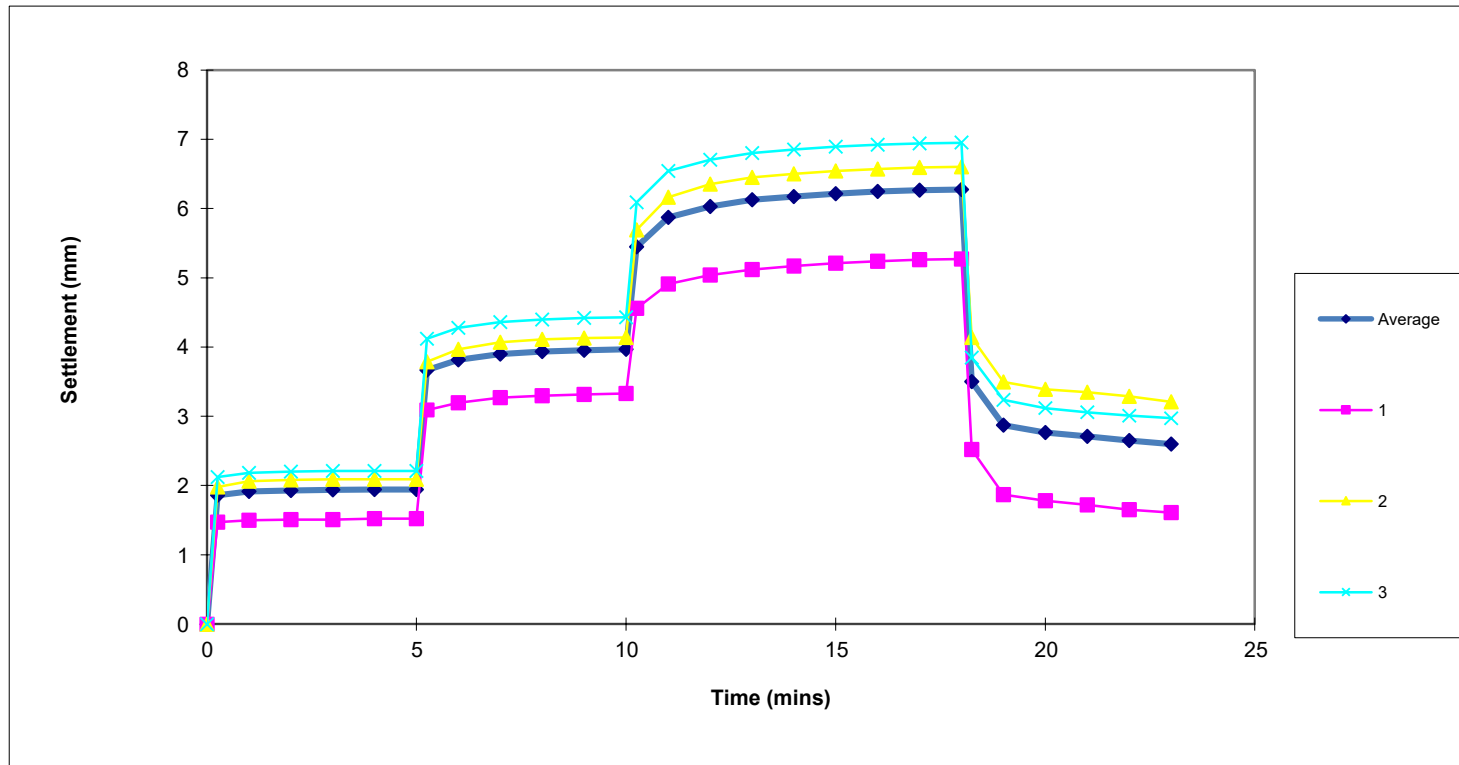
Date: 20.06.24

Seating Load: 7.5kN/m^2 

**SOUTH WALES
GROUND TESTING**

SOUTH WALES GROUND TESTING

Plate Load Test Settlement v Time Graph

Test Reference: Plate Test 8
2m Uplift

Contract:

Bishop Hedley School

Date:

20.06.24

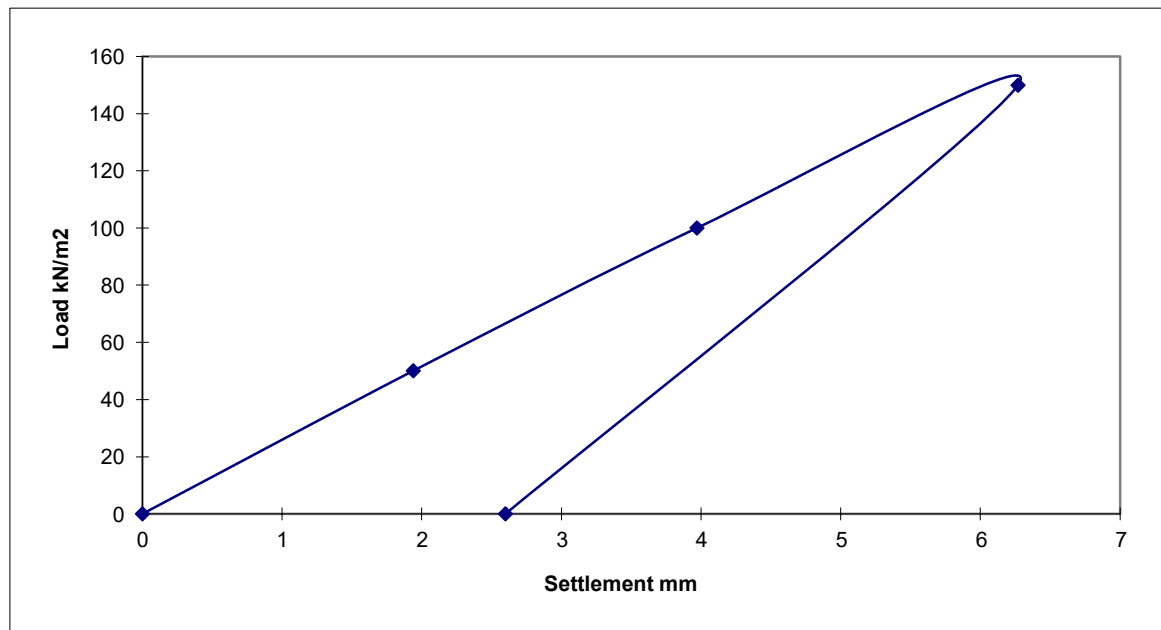
SOUTH WALES GROUND TESTING

PLATE LOAD TEST SUMMARY

Test Reference: Plate Test 8	Test Depth: 2m Uplift	Plate Diameter: 600mm	Soil Description: Class 2C
---------------------------------	--------------------------	-----------------------	----------------------------

Average Plate Settlement (mm)	Load (kN/m ²)	Time (mins)
0	0	0
1.94	50	5
3.97	100	10
6.27	150	18
2.60	0	23

Deformation Modulus (E)	10.3	kN/m ²
Degree of Rebound	58.5	%
Load required to achieve 1.25mm settlement	29.9	kN/m ²
Modulus of subgrade reaction (k762)	27213	kPa/m
Approximate CBR value	4.8	%



Notes:

- 1: Circular steel plate bedded on uniform coarse sand.
- 2: Tracked excavator used as counter weight.
- 3: Load applied to plate via hydraulic jack and loading columns.
- 4: Each load increment applied until plate settlement less than 0.01mm per minute.
- 5: Plate settlement measured by three travel gauges fixed to datum beams.
- 6: Load measured using UKAS calibrated electric load cell.



**SOUTH WALES
GROUND TESTING**

Approved by :

David McArthur BSc MSc ARSM

REMARKS: Test carried out in accordance with BS1377.1990, Part 9.

k762 for 600mm circular plate = pressure required to achieve 1.25mm penetration x 0.91 (HD 25/94)
Size factor correction after Croney 1991. CBR derivation from CBR USA FAA (Tulebek and Brill)

CONTRACT:

Bishop Hedley School Merthyr

Date: 20.06.24

Sheet 1 of 1

SOUTH WALES GROUND TESTING

Plate Load Test Settlement v Time Data

Contract: Bishop Hedley School

Date: 25.06.24

Test Reference: Plate Test 9
1m Uplift

Test Depth: Surface

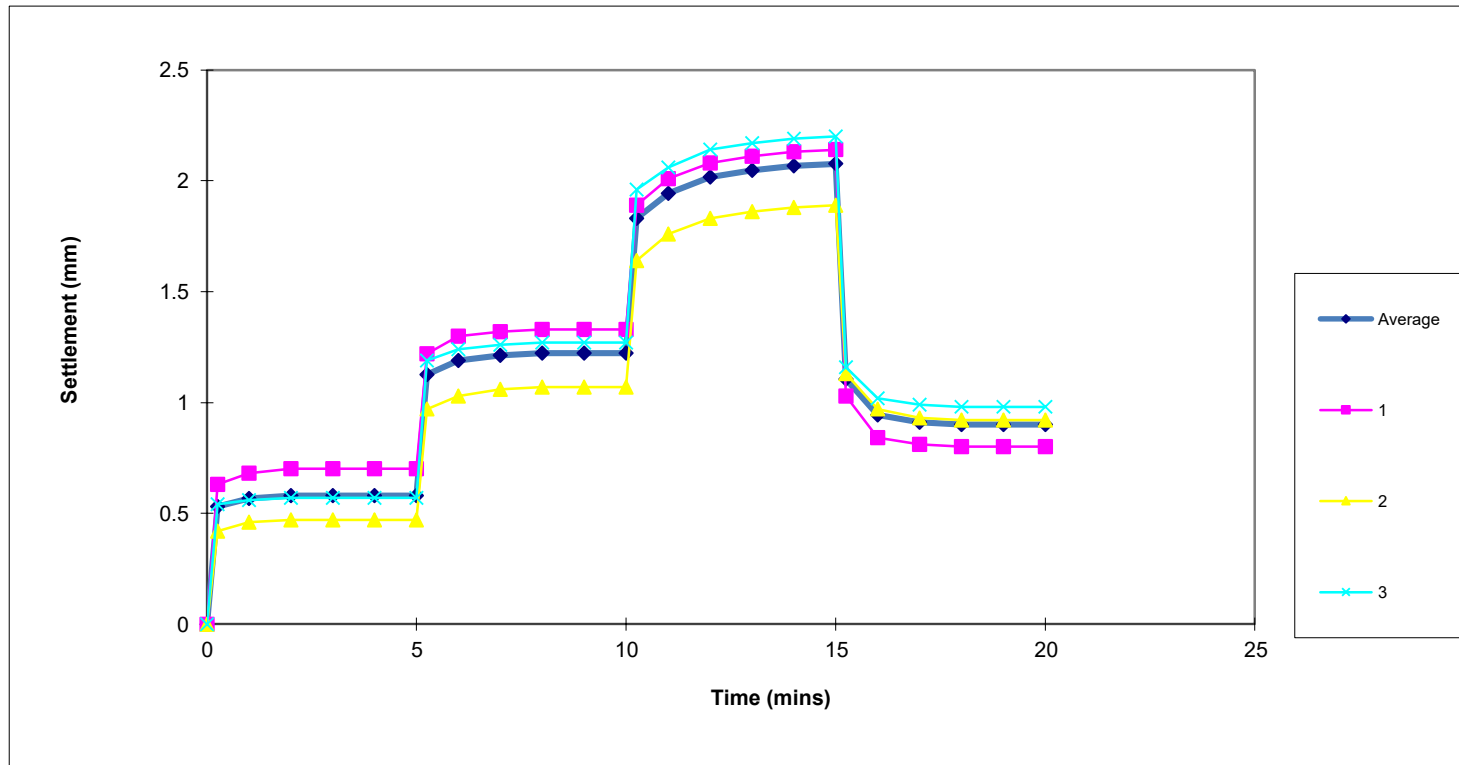
Plate Diameter: 600mm

Seating Load: 7.5kN/m²

	Time (mins)	Travel Gauges set on plate			Average Plate Settlement mm
		Gauge 1	Gauge 2	Gauge 3	
50kN/m ² Load	0	0	0	0	0
	0.25	0.63	0.42	0.54	0.53
	1	0.68	0.46	0.56	0.57
	2	0.70	0.47	0.57	0.58
	3	0.70	0.47	0.57	0.58
	4	0.70	0.47	0.57	0.58
	5	0.70	0.47	0.57	0.58
100kN/m ² Load	5.25	1.22	0.97	1.19	1.13
	6	1.30	1.03	1.24	1.19
	7	1.32	1.06	1.26	1.21
	8	1.33	1.07	1.27	1.22
	9	1.33	1.07	1.27	1.22
	10	1.33	1.07	1.27	1.22
150kN/m ² Load	10.25	1.89	1.64	1.96	1.83
	11	2.01	1.76	2.06	1.94
	12	2.08	1.83	2.14	2.02
	13	2.11	1.86	2.17	2.05
	14	2.13	1.88	2.19	2.07
	15	2.14	1.89	2.20	2.08
0kN/m ² Unload	15.25	1.03	1.13	1.16	1.11
	16	0.84	0.97	1.02	0.94
	17	0.81	0.93	0.99	0.91
	18	0.80	0.92	0.98	0.90
	19	0.80	0.92	0.98	0.90
	20	0.80	0.92	0.98	0.90

SOUTH WALES GROUND TESTING

Plate Load Test Settlement v Time Graph

Test Reference: Plate Test 9
1m Uplift

Contract:

Bishop Hedley School

Date:

25.06.24

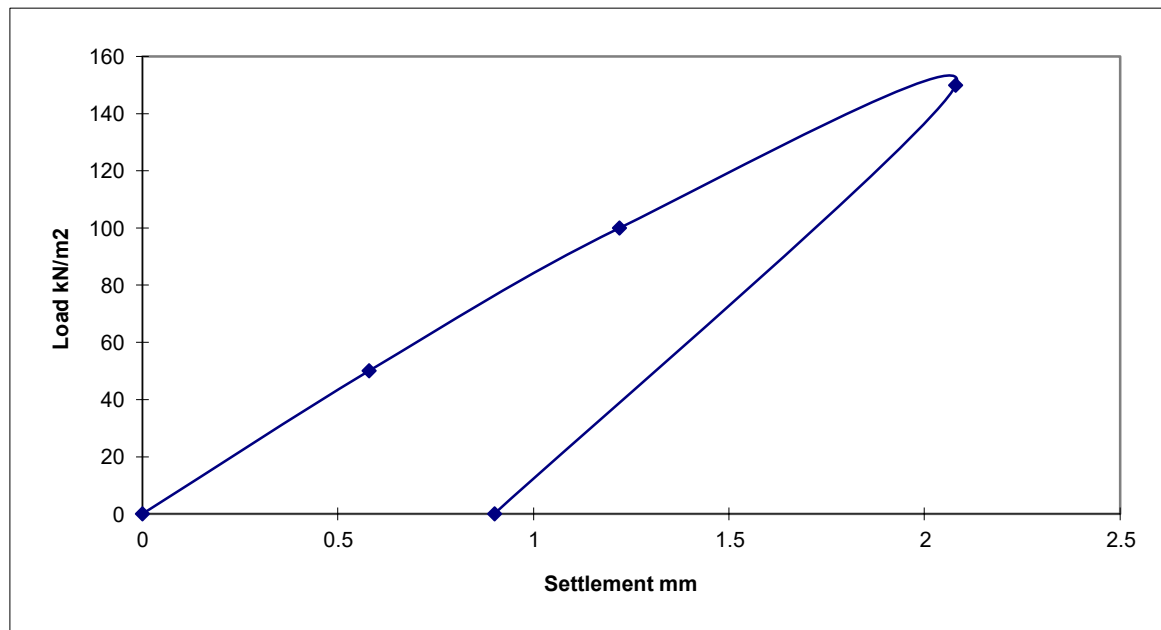
SOUTH WALES GROUND TESTING

PLATE LOAD TEST SUMMARY

Test Reference: Plate Test 9	Test Depth: 1m Uplift	Plate Diameter: 600mm	Soil Description: Class 2C
---------------------------------	--------------------------	-----------------------	----------------------------

Average Plate Settlement (mm)	Load (kN/m ²)	Time (mins)
0	0	0
0.58	50	5
1.22	100	10
2.08	150	15
0.90	0	20

Deformation Modulus (E)	31.0	kN/m ²
Degree of Rebound	56.7	%
Load required to achieve 1.25mm settlement	90.1	kN/m ²
Modulus of subgrade reaction (k762)	82031	kPa/m
Approximate CBR value	19.9	%



Notes:

- 1: Circular steel plate bedded on uniform coarse sand.
- 2: Tracked excavator used as counter weight.
- 3: Load applied to plate via hydraulic jack and loading columns.
- 4: Each load increment applied until plate settlement less than 0.01mm per minute.
- 5: Plate settlement measured by three travel gauges fixed to datum beams.
- 6: Load measured using UKAS calibrated electric load cell.



**SOUTH WALES
GROUND TESTING**

Approved by :

David McArthur BSc MSc ARSM

REMARKS: Test carried out in accordance with BS1377.1990, Part 9.

k762 for 600mm circular plate = pressure required to achieve 1.25mm penetration x 0.91 (HD 25/94)
Size factor correction after Croney 1991. CBR derivation from CBR USA FAA (Tulebek and Brill)

CONTRACT:

Bishop Hedley School Merthyr

Date: 25.06.24

Sheet 1 of 1

Plate Load Test Settlement v Time Data

Date: 25.06.24

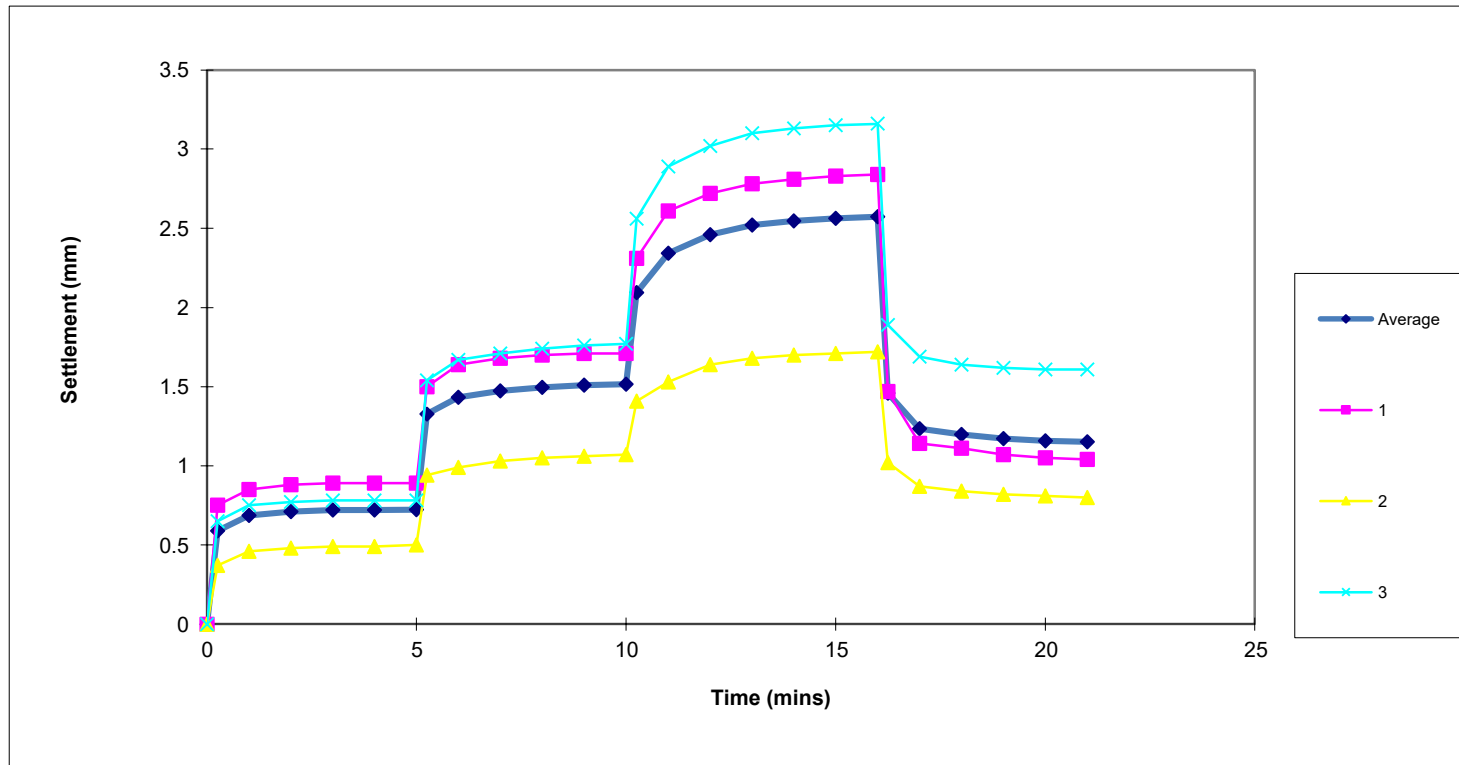
Seating Load: 7.5kN/m^2 

**SOUTH WALES
GROUND TESTING**

SOUTH WALES GROUND TESTING

Plate Load Test Settlement v Time Graph

Test Reference: Plate Test 10
1m Uplift



Contract:

Bishop Hedley School

Date:

25.06.24

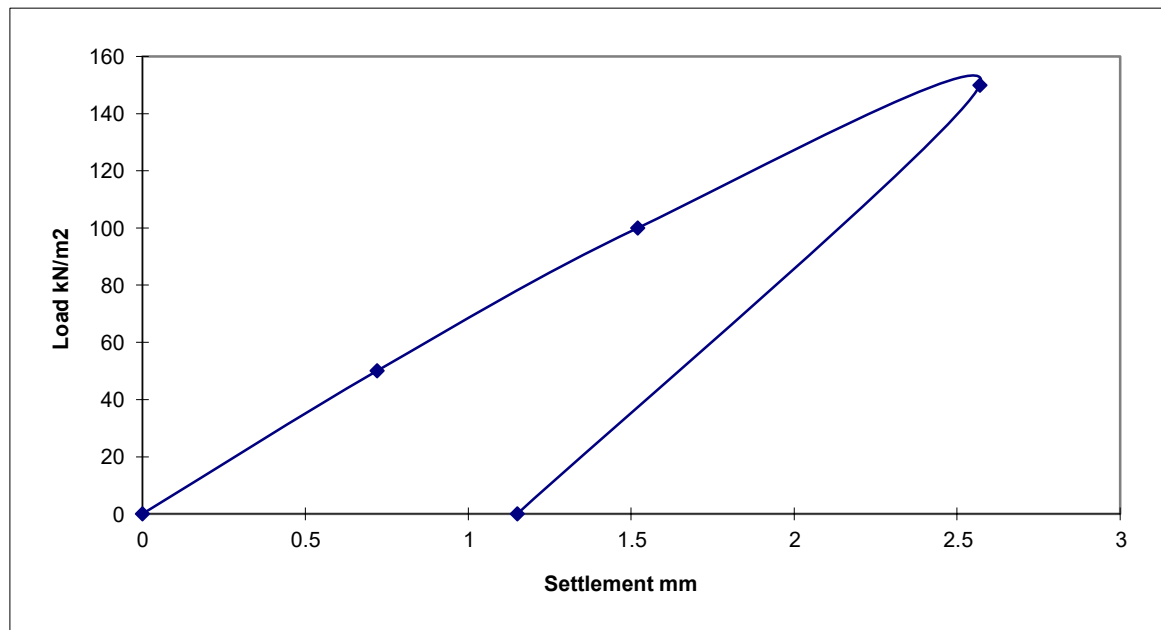
SOUTH WALES GROUND TESTING

PLATE LOAD TEST SUMMARY

Test Reference: Plate Test 10	Test Depth: 1m Uplift	Plate Diameter: 600mm	Soil Description: Class 2C
----------------------------------	--------------------------	-----------------------	----------------------------

Average Plate Settlement (mm)	Load (kN/m ²)	Time (mins)
0	0	0
0.72	50	5
1.52	100	10
2.57	150	16
1.15	0	21

Deformation Modulus (E)	25.1	kN/m ²
Degree of Rebound	55.3	%
Load required to achieve 1.25mm settlement	73.0	kN/m ²
Modulus of subgrade reaction (k762)	66391	kPa/m
Approximate CBR value	15.2	%



Notes:

- 1: Circular steel plate bedded on uniform coarse sand.
- 2: Tracked excavator used as counter weight.
- 3: Load applied to plate via hydraulic jack and loading columns.
- 4: Each load increment applied until plate settlement less than 0.01mm per minute.
- 5: Plate settlement measured by three travel gauges fixed to datum beams.
- 6: Load measured using UKAS calibrated electric load cell.



**SOUTH WALES
GROUND TESTING**

Approved by :

David McArthur BSc MSc ARSM

REMARKS: Test carried out in accordance with BS1377.1990, Part 9.

k762 for 600mm circular plate = pressure required to achieve 1.25mm penetration x 0.91 (HD 25/94)
Size factor correction after Croney 1991. CBR derivation from CBR USA FAA (Tulebek and Brill)

CONTRACT: Bishop Hedley School Merthyr

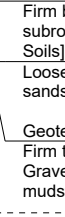
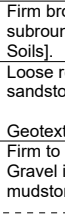
Date: 25.06.24
Sheet 1 of 1

APPENDIX F

WINDOWLESS SAMPLE LOGS

[illegible]

		Intégral House, 7 Beddau Way Castlegate Business Park Caerphilly CF83 2AX Tel. 029 20807991 Fax. 029 20862176 mail@integralgeotec.com		Project Name: Bishop Hedley School Campus		Project No.: 14075 2026		Borehole No.: WS02 Sheet 1 of 1	
Location: Merthyr Tydfil				Client: Willmott Dixon Construction Ltd		Coordinates:		Hole Type: WLS	
Equipment: Tracked windowless sampling rig				Diameter of Casing:		Level:		Scale 1:25	
Diameter of Boring: 102mm				Depth of Casing:		Dates 28/05/2026 -		Logged By: JM	

Well	Water Strikes	Samples & In situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.50	ES		0.20			
					0.30			
					0.70			
								End of Borehole at 0.70 m

Remarks: Windowless sample borehole from GL to 0.70m. No groundwater encountered.		Key: D - Small disturbed sample B - Bulk disturbed sample ES - Environmental soil sample SPT - Standard Penetration Test (split spoon) CPT - Standard Penetration Test (solid cone)		W - Water sample U - Undisturbed sample TCR - Total Core Recovery SCR - Solid Core Recovery RQD - Rock Quality Designation			
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		Intégral House, 7 Beddau Way Castlegate Business Park Caerphilly CF83 2AX Tel. 029 20807991 Fax. 029 20862176 mail@integralgeotec.com		Project Name: Bishop Hedley School Campus		Project No.: 14075 2026		Borehole No.: WS03 Sheet 1 of 1	
Location: Merthyr Tydfil				Client: Willmott Dixon Construction Ltd		Coordinates:		Hole Type: WLS	
Equipment: Tracked windowless sampling rig				Diameter of Casing:		Level:		Scale 1:25	
Diameter of Boring: 102+86mm				Depth of Casing:		Dates 28/05/2026 -		Logged By: JM	

Well	Water Strikes	Samples & In situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.70	ES		0.20		Firm brown sandy slightly gravelly clayey SILT. Gravel is angular to subrounded fine to coarse of sandstone [Pitch Make-Up / Capping Soils].	1	
					0.30		Loose reddish brown gravelly SAND. Gravel is angular to subangular of sandstone [Pitch Make-Up / Capping Soils].		
					Geotextile membrane at base of pitch make-up / capping soils. Firm to stiff dark grey sandy gravelly CLAY with low cobble content. Gravel is angular to subrounded fine to coarse of limestone and mudstone. Cobbles are subrounded of limestone [Engineered Fill].				
					1.30		Firm dark grey and black gravelly CLAY. Gravel is fine to coarse angular of mudstone [Historical Made Ground].		
					1.50		End of Borehole at 1.50 m	2	
								3	
								4	
								5	

Remarks: Windowless sample borehole from GL to 1.50m. No groundwater encountered.		Key: D - Small disturbed sample B - Bulk disturbed sample ES - Environmental soil sample SPT - Standard Penetration Test (split spoon) CPT - Standard Penetration Test (solid cone)		W - Water sample U - Undisturbed sample TCR - Total Core Recovery SCR - Solid Core Recovery RQD - Rock Quality Designation		
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		Intégral House, 7 Beddau Way Castlegate Business Park Caerphilly CF83 2AX Tel. 029 20807991 Fax. 029 20862176 mail@integralgeotec.com		Project Name: Bishop Hedley School Campus			Project No.: 14075 2026		Borehole No.: WS04 Sheet 1 of 1	
Location: Merthyr Tydfil				Client: Willmott Dixon Construction Ltd			Coordinates:		Hole Type: WLS	
Equipment: Tracked windowless sampling rig				Diameter of Casing:			Level:		Scale 1:25	
Diameter of Boring: 102+86mm				Depth of Casing:			Dates 28/05/2026 -		Logged By: JM	

Well	Water Strikes	Samples & In situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.60	ES		0.20		Firm brown sandy slightly gravelly clayey SILT. Gravel is angular to subrounded fine to coarse of sandstone [Pitch Make-Up / Capping Soils].	1	
					0.30		Loose reddish brown gravelly SAND. Gravel is angular to subangular of sandstone [Pitch Make-Up / Capping Soils].		
							Geotextile membrane at base of pitch make-up / capping soils. Firm to stiff dark grey sandy gravelly CLAY with low cobble content. Gravel is angular to subrounded fine to coarse of limestone and mudstone. Cobbles are subrounded of sandstone [Engineered Fill].		
					1.00		End of Borehole at 1.00 m	5	

Remarks: Windowless sample borehole from GL to 1.00m. No groundwater encountered.				Key: D - Small disturbed sample B - Bulk disturbed sample ES - Environmental soil sample SPT - Standard Penetration Test (split spoon) CPT - Standard Penetration Test (solid cone)				W - Water sample U - Undisturbed sample TCR - Total Core Recovery SCR - Solid Core Recovery RQD - Rock Quality Designation			
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		Intégral House, 7 Beddau Way Castlegate Business Park Caerphilly CF83 2AX Tel. 029 20807991 Fax. 029 20862176 mail@integralgeotec.com		Project Name: Bishop Hedley School Campus		Project No.: 14075 2026		Borehole No.: WS05 Sheet 1 of 1	
Location: Merthyr Tydfil				Client: Willmott Dixon Construction Ltd		Coordinates:		Hole Type: WLS	
Equipment: Tracked windowless sampling rig				Diameter of Casing:		Level:		Scale 1:25	
Diameter of Boring: 102+86mm				Depth of Casing:		Dates 28/05/2026 -		Logged By: JM	

Well	Water Strikes	Samples & In situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.70	ES		0.20		Firm brown sandy slightly gravelly clayey SILT. Gravel is angular to subrounded fine to coarse of sandstone [Pitch Make-Up / Capping Soils].	1	
					0.30		Loose reddish brown gravelly SAND. Gravel is angular to subangular of sandstone [Pitch Make-Up / Capping Soils].		
					Geotextile membrane at base of pitch make-up / capping soils.				
					Firm to stiff dark grey sandy gravelly CLAY with low cobble content. Gravel is angular to subrounded fine to coarse of limestone and mudstone. Cobbles are subrounded of sandstone [Engineered Fill].				
					1.20		Firm dark grey and black gravelly CLAY. Gravel is fine to coarse angular of mudstone [Historical Made Ground].	2	
					1.50				
					End of Borehole at 1.50 m				
								3	
								4	
								5	

Remarks: Windowless sample borehole from GL to 1.50m. No groundwater encountered.		Key: D - Small disturbed sample B - Bulk disturbed sample ES - Environmental soil sample SPT - Standard Penetration Test (split spoon) CPT - Standard Penetration Test (solid cone)		W - Water sample U - Undisturbed sample TCR - Total Core Recovery SCR - Solid Core Recovery RQD - Rock Quality Designation		
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		Intégral House, 7 Beddau Way Castlegate Business Park Caerphilly CF83 2AX Tel. 029 20807991 Fax. 029 20862176 mail@integralgeotec.com		Project Name: Bishop Hedley School Campus			Project No.: 14075 2026		Borehole No.: WS06 Sheet 1 of 1	
Location: Merthyr Tydfil				Client: Willmott Dixon Construction Ltd			Coordinates:		Hole Type: WLS	
Equipment: Tracked windowless sampling rig				Diameter of Casing:			Level:		Scale 1:25	
Diameter of Boring: 102mm				Depth of Casing:			Dates 28/05/2026 -		Logged By: JM	

Well	Water Strikes	Samples & In situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.50	ES		0.20		Firm brown sandy slightly gravelly clayey SILT. Gravel is angular to subrounded fine to coarse of sandstone [Pitch Make-Up / Capping Soils].	1	
					0.30		Loose reddish brown gravelly SAND. Gravel is angular to subangular of sandstone [Pitch Make-Up / Capping Soils].		
							Geotextile membrane at base of pitch make-up / capping soils. Firm to stiff dark grey sandy gravelly CLAY with low cobble content. Gravel is angular to subrounded fine to coarse of limestone and mudstone. Cobbles are subrounded of sandstone [Engineered Fill].		
					1.00		End of Borehole at 1.00 m	5	

Remarks: Windowless sample borehole from GL to 1.00m. No groundwater encountered.				Key: D - Small disturbed sample B - Bulk disturbed sample ES - Environmental soil sample SPT - Standard Penetration Test (split spoon) CPT - Standard Penetration Test (solid cone)				W - Water sample U - Undisturbed sample TCR - Total Core Recovery SCR - Solid Core Recovery RQD - Rock Quality Designation			
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		Intégral House, 7 Beddau Way Castlegate Business Park Caerphilly CF83 2AX Tel. 029 20807991 Fax. 029 20862176 mail@integralgeotec.com		Project Name: Bishop Hedley School Campus			Project No.: 14075 2026		Borehole No.: WS07 Sheet 1 of 1	
Location: Merthyr Tydfil				Client: Willmott Dixon Construction Ltd			Coordinates:		Hole Type: WLS	
Equipment: Tracked windowless sampling rig				Diameter of Casing:			Level:		Scale 1:25	
Diameter of Boring: 102mm				Depth of Casing:			Dates 28/05/2026 -		Logged By: JM	

Well	Water Strikes	Samples & In situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.20			Firm brown sandy slightly gravelly clayey SILT. Gravel is angular to subrounded fine to coarse of sandstone [Pitch Make-Up / Capping Soils]. Loose reddish brown gravelly SAND. Gravel is angular to subangular of sandstone [Pitch Make-Up / Capping Soils]. Geotextile membrane at base of pitch make-up / capping soils. Firm to stiff dark grey sandy gravelly CLAY with low cobble content. Gravel is angular to subrounded fine to coarse of limestone and mudstone. Cobbles are subrounded of sandstone [Engineered Fill].	
					0.30				
		0.50	ES						
					1.00				1
End of Borehole at 1.00 m									
									2
									3
									4
									5

Remarks: Windowless sample borehole from GL to 1.00m. No groundwater encountered.		Key: D - Small disturbed sample B - Bulk disturbed sample ES - Environmental soil sample SPT - Standard Penetration Test (split spoon) CPT - Standard Penetration Test (solid cone)		W - Water sample U - Undisturbed sample TCR - Total Core Recovery SCR - Solid Core Recovery RQD - Rock Quality Designation		
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		Intégral House, 7 Beddau Way Castlegate Business Park Caerphilly CF83 2AX Tel. 029 20807991 Fax. 029 20862176 mail@integralgeotec.com		Project Name: Bishop Hedley School Campus		Project No.: 14075 2026		Borehole No.: WS08 Sheet 1 of 1	
Location: Merthyr Tydfil				Client: Willmott Dixon Construction Ltd		Coordinates:		Hole Type: WLS	
Equipment: Tracked windowless sampling rig				Diameter of Casing:		Level:		Scale 1:25	
Diameter of Boring: 102+86mm				Depth of Casing:		Dates 28/05/2026 -		Logged By: JM	

Well	Water Strikes	Samples & In situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.90	ES		0.20			Firm brown sandy slightly gravelly clayey SILT. Gravel is angular to subrounded fine to coarse of sandstone [Pitch Make-Up / Capping Soils].	1
					0.30			Loose reddish brown gravelly SAND. Gravel is angular to subangular of sandstone [Pitch Make-Up / Capping Soils].	
								Geotextile membrane at base of pitch make-up / capping soils.	
								Firm to stiff dark grey sandy gravelly CLAY with low cobble content. Gravel is angular to subrounded fine to coarse of limestone and mudstone. Cobbles are subrounded of sandstone [Engineered Fill].	
					1.30			Firm dark grey and black gravelly CLAY. Gravel is fine to coarse angular of mudstone [Historical Made Ground].	2
				1.50			End of Borehole at 1.50 m		
								3	
									4
									5

Remarks: Windowless sample borehole from GL to 1.50m. No groundwater encountered.		Key: D - Small disturbed sample B - Bulk disturbed sample ES - Environmental soil sample SPT - Standard Penetration Test (split spoon) CPT - Standard Penetration Test (solid cone)		W - Water sample U - Undisturbed sample TCR - Total Core Recovery SCR - Solid Core Recovery RQD - Rock Quality Designation		
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		Integral House, 7 Beddau Way Castlegate Business Park Caerphilly CF83 2AX Tel. 029 20807991 Fax. 029 20862176 mail@integralgeotec.com		Project Name: Bishop Hedley School Campus		Project No.: 14075 2026		Borehole No.: WS09 Sheet 1 of 1	
Location: Merthyr Tydfil				Client: Willmott Dixon Construction Ltd		Coordinates:		Hole Type: WLS	
Equipment: Tracked windowless sampling rig				Diameter of Casing:		Level:		Scale 1:25	
Diameter of Boring: 102+86mm				Depth of Casing:		Dates 25/05/2026 -		Logged By: JM	

Well	Water Strikes	Samples & In situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.60	ES		0.20		Firm brown sandy slightly gravelly clayey SILT. Gravel is angular to subrounded fine to coarse of sandstone [Pitch Make-Up / Capping Soils].	1	
					0.30		Loose reddish brown gravelly SAND. Gravel is angular to subangular of sandstone [Pitch Make-Up / Capping Soils].		
					Geotextile membrane at base of pitch make-up / capping soils. Firm to stiff dark grey sandy gravelly CLAY with low cobble content. Gravel is angular to subrounded fine to coarse of limestone and mudstone. Cobbles are subrounded of sandstone [Engineered Fill].				
					1.30		Firm dark grey and black gravelly CLAY. Gravel is fine to coarse angular of mudstone [Historical Made Ground].		
					1.50		End of Borehole at 1.50 m	2	
								3	
								4	
								5	

Remarks: Windowless sample borehole from GL to 1.50m. No groundwater encountered.		Key: D - Small disturbed sample B - Bulk disturbed sample ES - Environmental soil sample SPT - Standard Penetration Test (split spoon) CPT - Standard Penetration Test (solid cone)		W - Water sample U - Undisturbed sample TCR - Total Core Recovery SCR - Solid Core Recovery RQD - Rock Quality Designation		
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		Intégral House, 7 Beddau Way Castlegate Business Park Caerphilly CF83 2AX Tel. 029 20807991 Fax. 029 20862176 mail@integralgeotec.com		Project Name: Bishop Hedley School Campus			Project No.: 14075 2026		Borehole No.: WS10 Sheet 1 of 1	
Location: Merthyr Tydfil				Client: Willmott Dixon Construction Ltd			Coordinates:		Hole Type: WLS	
Equipment: Tracked windowless sampling rig				Diameter of Casing:			Level:		Scale 1:25	
Diameter of Boring: 102+86mm				Depth of Casing:			Dates 28/05/2026 -		Logged By: JM	

Well	Water Strikes	Samples & In situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.40	ES		0.20			Firm brown sandy slightly gravelly clayey SILT. Gravel is angular to subrounded fine to coarse of sandstone [Pitch Make-Up / Capping Soils].	
					0.30				
								Geotextile membrane at base of pitch make-up / capping soils.	
					1.40			Firm to stiff dark grey sandy gravelly CLAY with low cobble content. Gravel is angular to subrounded fine to coarse of limestone and mudstone. Cobbles are subrounded of sandstone [Engineered Fill].	1
					1.50			Firm dark grey and black gravelly CLAY. Gravel is fine to coarse angular of mudstone [Historical Made Ground].	
								End of Borehole at 1.50 m	2
									3
									4
									5

Remarks: Windowless sample borehole from GL to 1.50m. No groundwater encountered.		Key: D - Small disturbed sample B - Bulk disturbed sample ES - Environmental soil sample SPT - Standard Penetration Test (split spoon) CPT - Standard Penetration Test (solid cone)		W - Water sample U - Undisturbed sample TCR - Total Core Recovery SCR - Solid Core Recovery RQD - Rock Quality Designation		
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		Intégral House, 7 Beddau Way Castlegate Business Park Caerphilly CF83 2AX Tel. 029 20807991 Fax. 029 20862176 mail@integralgeotec.com		Project Name: Bishop Hedley School Campus			Project No.: 14075 2026		Borehole No.: WS11 Sheet 1 of 1	
Location: Merthyr Tydfil				Client: Willmott Dixon Construction Ltd			Coordinates:		Hole Type: WLS	
Equipment: Tracked windowless sampling rig				Diameter of Casing:			Level:		Scale 1:25	
Diameter of Boring: 102+86mm				Depth of Casing:			Dates 28/05/2026 -		Logged By: JM	

Well	Water Strikes	Samples & In situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.80	ES		0.20			Firm brown sandy slightly gravelly clayey SILT. Gravel is angular to subrounded fine to coarse of sandstone [Pitch Make-Up / Capping Soils].	1
					0.30			Loose reddish brown gravelly SAND. Gravel is angular to subangular of sandstone [Pitch Make-Up / Capping Soils].	
								Geotextile membrane at base of pitch make-up / capping soils.	
								Firm to stiff dark grey sandy gravelly CLAY with low cobble content. Gravel is angular to subrounded fine to coarse of limestone and mudstone. Cobbles are subrounded of sandstone [Engineered Fill].	
					1.40			Firm dark grey and black gravelly CLAY. Gravel is fine to coarse angular of mudstone [Historical Made Ground].	2
				1.50			End of Borehole at 1.50 m		
									3
									4
									5

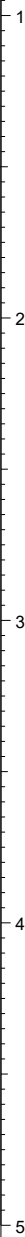
Remarks: Windowless sample borehole from GL to 1.50m. No groundwater encountered.		Key: D - Small disturbed sample B - Bulk disturbed sample ES - Environmental soil sample SPT - Standard Penetration Test (split spoon) CPT - Standard Penetration Test (solid cone)		W - Water sample U - Undisturbed sample TCR - Total Core Recovery SCR - Solid Core Recovery RQD - Rock Quality Designation		
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		Intégral House, 7 Beddau Way Castlegate Business Park Caerphilly CF83 2AX Tel. 029 20807991 Fax. 029 20862176 mail@integralgeotec.com		Project Name: Bishop Hedley School Campus		Project No.: 14075 2026		Borehole No.: WS12 Sheet 1 of 1	
Location: Merthyr Tydfil				Client: Willmott Dixon Construction Ltd		Coordinates:		Hole Type: WLS	
Equipment: Tracked windowless sampling rig				Diameter of Casing:		Level:		Scale 1:25	
Diameter of Boring: 102+86mm				Depth of Casing:		Dates 28/05/2026 -		Logged By: JM	

Well	Water Strikes	Samples & In situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.70	ES		0.20		Firm brown sandy slightly gravelly clayey SILT. Gravel is angular to subrounded fine to coarse of sandstone [Pitch Make-Up / Capping Soils].	1	
					0.30		Loose reddish brown gravelly SAND. Gravel is angular to subangular of sandstone [Pitch Make-Up / Capping Soils].		
					Geotextile membrane at base of pitch make-up / capping soils. Firm to stiff dark grey sandy gravelly CLAY with low cobble content. Gravel is angular to subrounded fine to coarse of limestone and mudstone. Cobbles are subrounded of sandstone [Engineered Fill].				
					1.30		Firm dark grey and black gravelly CLAY. Gravel is fine to coarse angular of mudstone [Historical Made Ground].		
					1.50		End of Borehole at 1.50 m	2	
								3	
								4	
								5	

Remarks: Windowless sample borehole from GL to 1.50m. No groundwater encountered.		Key: D - Small disturbed sample B - Bulk disturbed sample ES - Environmental soil sample SPT - Standard Penetration Test (split spoon) CPT - Standard Penetration Test (solid cone)		W - Water sample U - Undisturbed sample TCR - Total Core Recovery SCR - Solid Core Recovery RQD - Rock Quality Designation		
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		Intégral House, 7 Beddau Way Castlegate Business Park Caerphilly CF83 2AX Tel. 029 20807991 Fax. 029 20862176 mail@integralgeotec.com		Project Name: Bishop Hedley School Campus		Project No.: 14075 2026		Borehole No.: WS13 Sheet 1 of 1	
Location: Merthyr Tydfil				Client: Willmott Dixon Construction Ltd		Coordinates:		Hole Type: WLS	
Equipment: Tracked windowless sampling rig				Diameter of Casing:		Level:		Scale 1:25	
Diameter of Boring: 102+86mm				Depth of Casing:		Dates 28/05/2026 -		Logged By: JM	

Well	Water Strikes	Samples & In situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.60	ES		0.20		Firm brown sandy slightly gravelly clayey SILT. Gravel is angular to subrounded fine to coarse of sandstone [Pitch Make-Up / Capping Soils]. Loose reddish brown gravelly SAND. Gravel is angular to subangular of sandstone [Pitch Make-Up / Capping Soils]. Geotextile membrane at base of pitch make-up / capping soils. Firm to stiff dark grey sandy gravelly CLAY with low cobble content. Gravel is angular to subrounded fine to coarse of limestone and mudstone. Cobbles are subrounded of sandstone [Engineered Fill].		
					0.30				
					1.50				
							End of Borehole at 1.50 m		

Remarks: Windowless sample borehole from GL to 1.50m. No groundwater encountered.		Key: D - Small disturbed sample B - Bulk disturbed sample ES - Environmental soil sample SPT - Standard Penetration Test (split spoon) CPT - Standard Penetration Test (solid cone)		W - Water sample U - Undisturbed sample TCR - Total Core Recovery SCR - Solid Core Recovery RQD - Rock Quality Designation		
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		Intégral House, 7 Beddau Way Castlegate Business Park Caerphilly CF83 2AX Tel. 029 20807991 Fax. 029 20862176 mail@integralgeotec.com		Project Name: Bishop Hedley School Campus		Project No.: 14075 2026		Borehole No.: WS14 Sheet 1 of 1	
Location: Merthyr Tydfil				Client: Willmott Dixon Construction Ltd		Coordinates:		Hole Type: WLS	
Equipment: Tracked windowless sampling rig				Diameter of Casing:		Level:		Scale 1:25	
Diameter of Boring: 102+86mm				Depth of Casing:		Dates 28/05/2026 -		Logged By: JM	

Well	Water Strikes	Samples & In situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.90	ES		0.20			Firm brown sandy slightly gravelly clayey SILT. Gravel is angular to subrounded fine to coarse of sandstone [Pitch Make-Up / Capping Soils].	1
					0.30			Loose reddish brown gravelly SAND. Gravel is angular to subangular of sandstone [Pitch Make-Up / Capping Soils].	
								Geotextile membrane at base of pitch make-up / capping soils. Firm to stiff dark grey sandy gravelly CLAY with low cobble content. Gravel is angular to subrounded fine to coarse of limestone and mudstone. Cobbles are subrounded of sandstone [Engineered Fill].	
					1.70			Firm dark grey and black gravelly CLAY. Gravel is fine to coarse angular of mudstone [Historical Made Ground].	2
					2.00			End of Borehole at 2.00 m	
									3
									4
									5

Remarks: Windowless sample borehole from GL to 2.00m. No groundwater encountered.		Key: D - Small disturbed sample B - Bulk disturbed sample ES - Environmental soil sample SPT - Standard Penetration Test (split spoon) CPT - Standard Penetration Test (solid cone)		W - Water sample U - Undisturbed sample TCR - Total Core Recovery SCR - Solid Core Recovery RQD - Rock Quality Designation		
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		Intégral House, 7 Beddau Way Castlegate Business Park Caerphilly CF83 2AX Tel. 029 20807991 Fax. 029 20862176 mail@integralgeotec.com		Project Name: Bishop Hedley School Campus		Project No.: 14075 2026		Borehole No.: WS15 Sheet 1 of 1	
Location: Merthyr Tydfil				Client: Willmott Dixon Construction Ltd		Coordinates:		Hole Type: WLS	
Equipment: Tracked windowless sampling rig				Diameter of Casing:		Level:		Scale 1:25	
Diameter of Boring: 102+86mm				Depth of Casing:		Dates 28/05/2026 -		Logged By: JM	

Well	Water Strikes	Samples & In situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		1.10	ES		0.20		Firm brown sandy slightly gravelly clayey SILT. Gravel is angular to subrounded fine to coarse of sandstone [Pitch Make-Up / Capping Soils]. Loose reddish brown gravelly SAND. Gravel is angular to subangular of sandstone [Pitch Make-Up / Capping Soils]. Geotextile membrane at base of pitch make-up / capping soils. Firm to stiff dark grey sandy gravelly CLAY with low cobble content. Gravel is angular to subrounded fine to coarse of limestone and mudstone. Cobbles are subrounded of sandstone [Engineered Fill].	1	
					0.30				
					1.70				
					2.00				
							Firm dark grey and black gravelly CLAY. Gravel is fine to coarse angular of mudstone [Historical Made Ground].	2	
							End of Borehole at 2.00 m	3	
								4	
								5	

Remarks: Windowless sample borehole from GL to 2.00m. No groundwater encountered.		Key: D - Small disturbed sample B - Bulk disturbed sample ES - Environmental soil sample SPT - Standard Penetration Test (split spoon) CPT - Standard Penetration Test (solid cone)		W - Water sample U - Undisturbed sample TCR - Total Core Recovery SCR - Solid Core Recovery RQD - Rock Quality Designation		
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		Intégral House, 7 Beddau Way Castlegate Business Park Caerphilly CF83 2AX Tel. 029 20807991 Fax. 029 20862176 mail@integralgeotec.com		Project Name: Bishop Hedley School Campus		Project No.: 14075 2026		Borehole No.: WS18 Sheet 1 of 1	
Location: Merthyr Tydfil				Client: Willmott Dixon Construction Ltd		Coordinates:		Hole Type: WLS	
Equipment: Tracked windowless sampling rig				Diameter of Casing:		Level:		Scale 1:25	
Diameter of Boring: 102+86mm				Depth of Casing:		Dates 29/05/2026 -		Logged By: JM	

Well	Water Strikes	Samples & In situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.70	ES		0.20		Firm brown sandy slightly gravelly clayey SILT. Gravel is angular to subrounded fine to coarse of sandstone [Pitch Make-Up / Capping Soils].	1	
					0.30		Loose reddish brown gravelly SAND. Gravel is angular to subangular of sandstone [Pitch Make-Up / Capping Soils].		
					Geotextile membrane at base of pitch make-up / capping soils. Firm to stiff dark grey sandy gravelly CLAY with low cobble content. Gravel is angular to subrounded fine to coarse of limestone and mudstone. Cobbles are subrounded of sandstone [Engineered Fill].				
					2.00		End of Borehole at 2.00 m	2	
								3	
								4	
								5	

Remarks: Windowless sample borehole from GL to 2.00m. No groundwater encountered.		Key: D - Small disturbed sample B - Bulk disturbed sample ES - Environmental soil sample SPT - Standard Penetration Test (split spoon) CPT - Standard Penetration Test (solid cone)		W - Water sample U - Undisturbed sample TCR - Total Core Recovery SCR - Solid Core Recovery RQD - Rock Quality Designation		
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		Intégral House, 7 Beddau Way Castlegate Business Park Caerphilly CF83 2AX Tel. 029 20807991 Fax. 029 20862176 mail@integralgeotec.com		Project Name: Bishop Hedley School Campus		Project No.: 14075 2026		Borehole No.: WS19 Sheet 1 of 1	
Location: Merthyr Tydfil				Client: Willmott Dixon Construction Ltd		Coordinates:		Hole Type: WLS	
Equipment: Tracked windowless sampling rig				Diameter of Casing:		Level:		Scale 1:25	
Diameter of Boring: 102+86+76mm				Depth of Casing:		Dates 29/05/2026 -		Logged By: JM	

Well	Water Strikes	Samples & In situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.60	ES		0.20			Medium dense grey clayey SAND and GRAVEL with low cobble content. Gravel is angular to subangular fine to coarse of limestone, mudstone and sandstone. Cobbles are subangular of limestone. Inclusions of metal and concrete [Engineered Fill].	1
					1.60			Loose black sandy slightly clayey GRAVEL. Gravel is angular to subangular fine to coarse of coal and limestone. Inclusions of glass, brick and slag [Historical Made Ground].	
					2.00			Firm dark grey and black gravelly CLAY. Gravel is fine to coarse angular of mudstone [Historical Made Ground].	
					3.00			End of Borehole at 3.00 m	
									2
									3
									4
									5

Remarks: Windowless sample borehole from GL to 3.00m. No groundwater encountered.		Key: D - Small disturbed sample B - Bulk disturbed sample ES - Environmental soil sample SPT - Standard Penetration Test (split spoon) CPT - Standard Penetration Test (solid cone)		W - Water sample U - Undisturbed sample TCR - Total Core Recovery SCR - Solid Core Recovery RQD - Rock Quality Designation		
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		Intégral House, 7 Beddau Way Castlegate Business Park Caerphilly CF83 2AX Tel. 029 20807991 Fax. 029 20862176 mail@integralgeotec.com		Project Name: Bishop Hedley School Campus		Project No.: 14075 2026		Borehole No.: WS20 Sheet 1 of 1	
Location: Merthyr Tydfil				Client: Willmott Dixon Construction Ltd		Coordinates:		Hole Type: WLS	
Equipment: Tracked windowless sampling rig				Diameter of Casing:		Level:		Scale 1:25	
Diameter of Boring: 102+86+76mm				Depth of Casing:		Dates 29/05/2026 -		Logged By: JM	

Well	Water Strikes	Samples & In situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description		
		Depth (m)	Type	Results						
		0.20			0.20			Medium dense grey clayey SAND and GRAVEL with low cobble content. Gravel is angular to subangular fine to coarse of limestone, mudstone and sandstone. Cobbles are subangular of limestone. Inclusions of metal and concrete [Engineered Fill]. Firm to stiff dark grey sandy gravelly CLAY with low cobble content. Gravel is angular to subrounded fine to coarse of limestone and mudstone. Cobbles are subrounded of sandstone [Engineered Fill].	1	
		0.70	ES							2
		2.40								3
					3.00			End of Borehole at 3.00 m	4	
									5	

Remarks: Windowless sample borehole from GL to 3.00m. No groundwater encountered.		Key: D - Small disturbed sample B - Bulk disturbed sample ES - Environmental soil sample SPT - Standard Penetration Test (split spoon) CPT - Standard Penetration Test (solid cone)		W - Water sample U - Undisturbed sample TCR - Total Core Recovery SCR - Solid Core Recovery RQD - Rock Quality Designation		
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		Intégral House, 7 Beddau Way Castlegate Business Park Caerphilly CF83 2AX Tel. 029 20807991 Fax. 029 20862176 mail@integralgeotec.com		Project Name: Bishop Hedley School Campus			Project No.: 14075 2026		Borehole No.: WS21 Sheet 1 of 1	
Location: Merthyr Tydfil				Client: Willmott Dixon Construction Ltd			Coordinates:		Hole Type: WLS	
Equipment: Tracked windowless sampling rig				Diameter of Casing:			Level:		Scale 1:25	
Diameter of Boring: 102+86mm				Depth of Casing:			Dates 29/06/2026 -		Logged By: JM	

Well	Water Strikes	Samples & In situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.20			Medium dense grey clayey SAND and GRAVEL with low cobble content. Gravel is angular to subangular fine to coarse of limestone, mudstone and sandstone. Cobbles are subangular of limestone. Inclusions of metal and concrete [Engineered Fill]. Firm to stiff dark grey sandy gravelly CLAY with low cobble content. Gravel is angular to subrounded fine to coarse of limestone and mudstone. Cobbles are subrounded of sandstone [Engineered Fill].	1
		0.50	ES						
					1.20				
					2.00			Firm dark grey and black gravelly CLAY. Gravel is fine to coarse angular of mudstone [Historical Made Ground]. End of Borehole at 2.00 m	2
									3
									4
									5

Remarks: Windowless sample borehole from GL to 2.00m. No groundwater encountered.				Key: D - Small disturbed sample B - Bulk disturbed sample ES - Environmental soil sample SPT - Standard Penetration Test (split spoon) CPT - Standard Penetration Test (solid cone)				W - Water sample U - Undisturbed sample TCR - Total Core Recovery SCR - Solid Core Recovery RQD - Rock Quality Designation			
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		Intégral House, 7 Beddau Way Castlegate Business Park Caerphilly CF83 2AX Tel. 029 20807991 Fax. 029 20862176 mail@integralgeotec.com		Project Name: Bishop Hedley School Campus		Project No.: 14075 2026		Borehole No.: WSA Sheet 1 of 1	
Location: Merthyr Tydfil				Client: Willmott Dixon Construction Ltd		Coordinates:		Hole Type: WLS	
Equipment: Dart 554				Diameter of Casing:		Level:		Scale 1:25	
Diameter of Boring: 102+86+76mm				Depth of Casing:		Dates 11/06/2026 -		Logged By: PD	

Well	Water Strikes	Samples & In situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.50	ES		0.09		Tarmac.		
							Hardcore/Subbase.		
							Firm to stiff dark grey sandy gravelly CLAY with low cobble content. Gravel is angular to subrounded fine to coarse of limestone and mudstone. Cobbles are subrounded of sandstone [Engineered Fill].		
					2.70		End of Borehole at 2.70 m		

Remarks: Terminated at 2.70m bgl. No groundwater encountered.		Key: D - Small disturbed sample B - Bulk disturbed sample ES - Environmental soil sample SPT - Standard Penetration Test (split spoon) CPT - Standard Penetration Test (solid cone)		W - Water sample U - Undisturbed sample TCR - Total Core Recovery SCR - Solid Core Recovery RQD - Rock Quality Designation		
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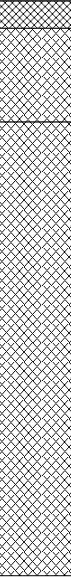
		Intégral House, 7 Beddau Way Castlegate Business Park Caerphilly CF83 2AX Tel. 029 20807991 Fax. 029 20862176 mail@integralgeotec.com		Project Name: Bishop Hedley School Campus			Project No.: 14075 2026		Borehole No.: WSC Sheet 1 of 1	
Location: Merthyr Tydfil				Client: Willmott Dixon Construction Ltd			Coordinates:		Hole Type: WLS	
Equipment: Dart 554				Diameter of Casing:			Level:		Scale 1:25	
Diameter of Boring: 102+86mm				Depth of Casing:			Dates 11/06/2026 -		Logged By: PD	

Well	Water Strikes	Samples & In situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description	
		Depth (m)	Type	Results					
[Pattern]					0.40			Hardcore/Subbase.	
		1.00	ES					Firm to stiff dark grey sandy gravelly CLAY with low cobble content. Gravel is angular to subrounded fine to coarse of limestone and mudstone. Cobbles are subrounded of sandstone [Engineered Fill].	1
					1.70			End of Borehole at 1.70 m	2
									3
									4
									5

Remarks: Terminated at 1.70m bgl. No groundwater encountered.				Key: D - Small disturbed sample B - Bulk disturbed sample ES - Environmental soil sample SPT - Standard Penetration Test (split spoon) CPT - Standard Penetration Test (solid cone)				W - Water sample U - Undisturbed sample TCR - Total Core Recovery SCR - Solid Core Recovery RQD - Rock Quality Designation			
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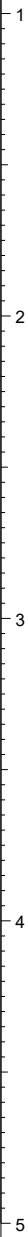
		Intégral House, 7 Beddau Way Castlegate Business Park Caerphilly CF83 2AX Tel. 029 20807991 Fax. 029 20862176 mail@integralgeotec.com		Project Name: Bishop Hedley School Campus			Project No.: 14075 2026		Borehole No.: WSD Sheet 1 of 1	
Location: Merthyr Tydfil				Client: Willmott Dixon Construction Ltd			Coordinates:		Hole Type: WLS	
Equipment: Dart 554				Diameter of Casing:			Level:		Scale 1:25	
Diameter of Boring: 102+86mm				Depth of Casing:			Dates 11/06/2026 -		Logged By: PD	

Well	Water Strikes	Samples & In situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		1.00	ES		0.09		Tarmac.	1	
					0.40		Hardcore/Subbase.		
							Firm to stiff dark grey sandy gravelly CLAY with low cobble content. Gravel is angular to subrounded fine to coarse of limestone and mudstone. Cobbles are subrounded of sandstone [Engineered Fill].		
					1.90		End of Borehole at 1.90 m	2	
								3	
								4	
								5	

Remarks: Terminated at 1.90m bgl. No groundwater encountered.				Key: D - Small disturbed sample B - Bulk disturbed sample ES - Environmental soil sample SPT - Standard Penetration Test (split spoon) CPT - Standard Penetration Test (solid cone)				W - Water sample U - Undisturbed sample TCR - Total Core Recovery SCR - Solid Core Recovery RQD - Rock Quality Designation			
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		Intégral House, 7 Beddau Way Castlegate Business Park Caerphilly CF83 2AX Tel. 029 20807991 Fax. 029 20862176 mail@integralgeotec.com		Project Name: Bishop Hedley School Campus			Project No.: 14075 2026		Borehole No.: WSE Sheet 1 of 1	
Location: Merthyr Tydfil				Client: Willmott Dixon Construction Ltd			Coordinates:		Hole Type: WLS	
Equipment: Dart 554				Diameter of Casing:			Level:		Scale 1:25	
Diameter of Boring: 102+86mm				Depth of Casing:			Dates 11/06/2026 -		Logged By: PD	

Well	Water Strikes	Samples & In situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		1.50	ES		0.12		Tarmac.		
					0.40		Hardcore/Subbase.		
					1.70		Firm to stiff dark grey sandy gravelly CLAY with low cobble content. Gravel is angular to subrounded fine to coarse of limestone and mudstone. Cobbles are subrounded of sandstone [Engineered Fill].		
							End of Borehole at 1.70 m		

Remarks: Terminated at 1.70m bgl. No groundwater encountered.				Key: D - Small disturbed sample B - Bulk disturbed sample ES - Environmental soil sample SPT - Standard Penetration Test (split spoon) CPT - Standard Penetration Test (solid cone)				W - Water sample U - Undisturbed sample TCR - Total Core Recovery SCR - Solid Core Recovery RQD - Rock Quality Designation			
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APPENDIX G

CONTINUOUS SPT PROBING RESULTS

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

SOUTH WALES GROUND TESTING - Continuous CPT													CONTRACT: Bishop Headley School										Date: 27.05.26		
Hole Ref CPT 31						Hole Ref CPT 32							Hole Ref CPT 33							Hole Ref CPT 34					
Depth	Blows per 75mm SPT N					Depth	Blows per 75mm SPT N						Depth	Blows per 75mm SPT N						Depth	Blows per 75mm SPT N				
0.00-0.30	1	1	1	1	4	0.00-0.30	1	1	1	1	4		0.00-0.30	1	1	1	1	4	0.00-0.30	1	1	0	1	3	
0.30-0.60	2	2	1	2	7	0.30-0.60	2	2	4	3	11		0.30-0.60	0	2	2	3	7	0.30-0.60	1	2	2	2	7	
0.60-0.90	2	2	1	2	7	0.60-0.90	2	2	2	1	7		0.60-0.90	2	2	1	2	7	0.60-0.90	3	4	3	2	12	
0.90-1.20	2	2	2	2	8	0.90-1.20	1	2	2	2	7		0.90-1.20	1	1	2	3	7	0.90-1.20	2	1	2	2	7	
1.20-1.50	2	2	2	2	8	1.20-1.50	3	3	2	1	9		1.20-1.50	7	8	6	9	30	1.20-1.50	2	3	2	3	10	
1.50-1.80	1	4	3	3	11	1.50-1.80	4	3	2	3	12		1.50-1.80	4	3	3	3	13	1.50-1.80	3	2	2	2	9	
1.80-2.10	2	3	2	2	9	1.80-2.10	3	5	5	3	16		1.80-2.10	4	3	5	4	16	1.80-2.10	2	3	2	3	10	
2.10-2.40	2	2	2	4	10	2.10-2.40	3	2	2	2	9		2.10-2.40	5	4	4	4	17	2.10-2.40	3	3	3	2	11	
2.40-2.70	3	2	2	1	8	2.40-2.70	3	1	2	1	7		2.40-2.70	4	4	4	4	16	2.40-2.70	3	4	4	4	15	
2.70-3.00	2	3	2	2	9	2.70-3.00	1	0	1	2	4		2.70-3.00	2	1	1	2	6	2.70-3.00	4	3	2	2	11	
3.00-3.30	3	4	3	3	13	3.00-3.30	2	2	4	3	11		3.00-3.30	1	1	1	1	4	3.00-3.30	1	1	1	1	4	
3.30-3.60	3	2	1	1	7	3.30-3.60	3	5	2	3	13		3.30-3.60	0	1	0	1	2	3.30-3.60	0	2	1	1	4	
3.60-3.90	1	0	2	1	4	3.60-3.90	3	3	3	3	12		3.60-3.90	1	1	1	1	4	3.60-3.90	0	1	0	1	2	
3.90-4.20	1	2	1	1	5	3.90-4.20	2	3	2	2	9		3.90-4.20	1	0	1	1	3	3.90-4.20	2	4	3	2	11	
4.20-4.50	1	1	2	1	5	4.20-4.50	4	2	3	3	12		4.20-4.50	1	2	1	1	5	4.20-4.50	3	3	3	3	12	
4.50-4.80	1	2	2	2	7								4.50-4.80	1	1	2	2	6							
4.80-5.10	1	2	0	1	4								4.80-5.10	6	4	3	3	16							
5.10-5.40	1	1	0	1	3																				
Hole Ref CPT 35						Hole Ref							Hole Ref							Hole Ref					
Depth	Blows per 75mm SPT N					Depth	Blows per 75mm SPT N						Depth	Blows per 75mm SPT N						Depth	Blows per 75mm SPT N				
0.00-0.30	1	1	1	0	3																				
0.30-0.60	1	0	2	3	6																				
0.60-0.90	2	4	4	4	14																				
0.90-1.20	4	4	4	3	15																				
1.20-1.50	4	6	7	7	24																				
1.50-1.73	5	4	34	7	50/230																				
				5																					

[illegible]

[illegible]

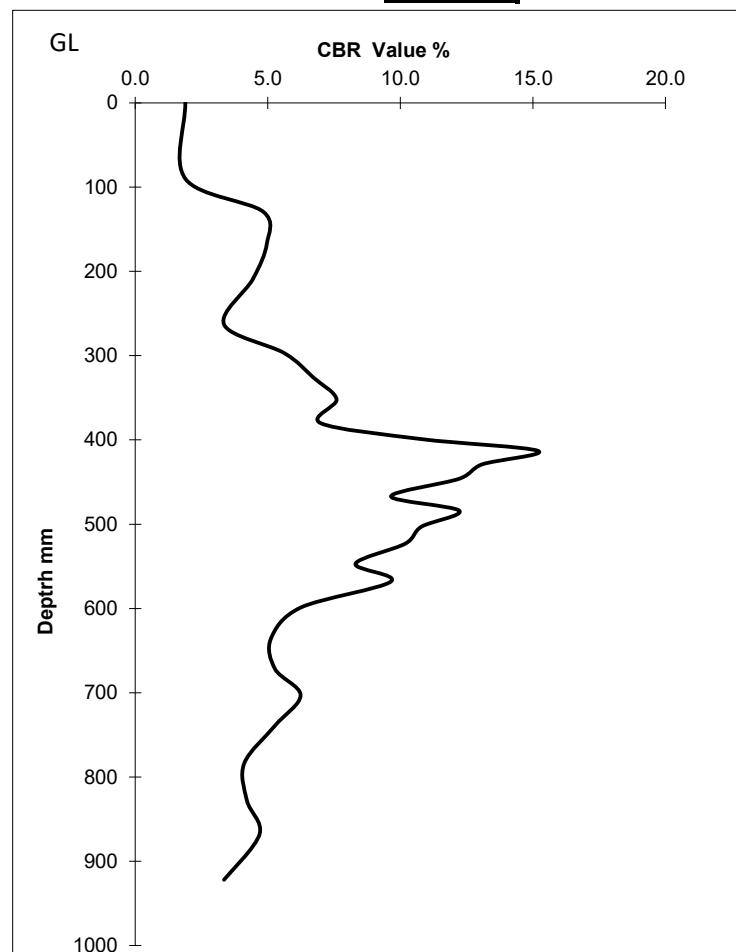
APPENDIX H

DCP RESULTS

South Wales Ground Testing - In situ CBR by DCP Probe

CBR Value %	mm per blow	Reading on Scale (mm)	Depth From GL (mm)	CBR Value %	mm per blow	Reading on Scale (mm)	Depth From GL (mm)
1.9			0				
1.9	90	118	90				
4.8	39	157	129				
5.0	38	195	167				
4.4	42	237	209				
3.4	54	291	263				
5.6	34	325	297				
6.7	29	354	326				
7.6	26	380	352				
7.0	28	408	380				
10.8	19	427	399				
15.2	14	441	413				
13.1	16	457	429				
12.2	17	474	446				
9.6	21	495	467				
12.2	17	512	484				
10.8	19	531	503				
10.2	20	551	523				
8.3	24	575	547				
9.6	21	596	568				
6.2	31	627	599				
5.1	37	664	636				
5.3	36	700	672				
6.2	31	731	703				
5.3	36	767	739				
4.1	45	812	784				
4.2	44	856	828				
4.7	40	896	868				
3.4	54	950	922				

Remarks: Tests commenced from ground level
 Zero reading = start depth below ground surface
 Reading on scale GL 28 (mm)
 Zero Reading test start 91 (mm)



CBR derivation after Webster et al, 1992

Remarks: After Transport Research Laboratory 2004

Project: Bishop Headley School

Date: 27.05.26

Reference: TRL 1

Page 1 of 1

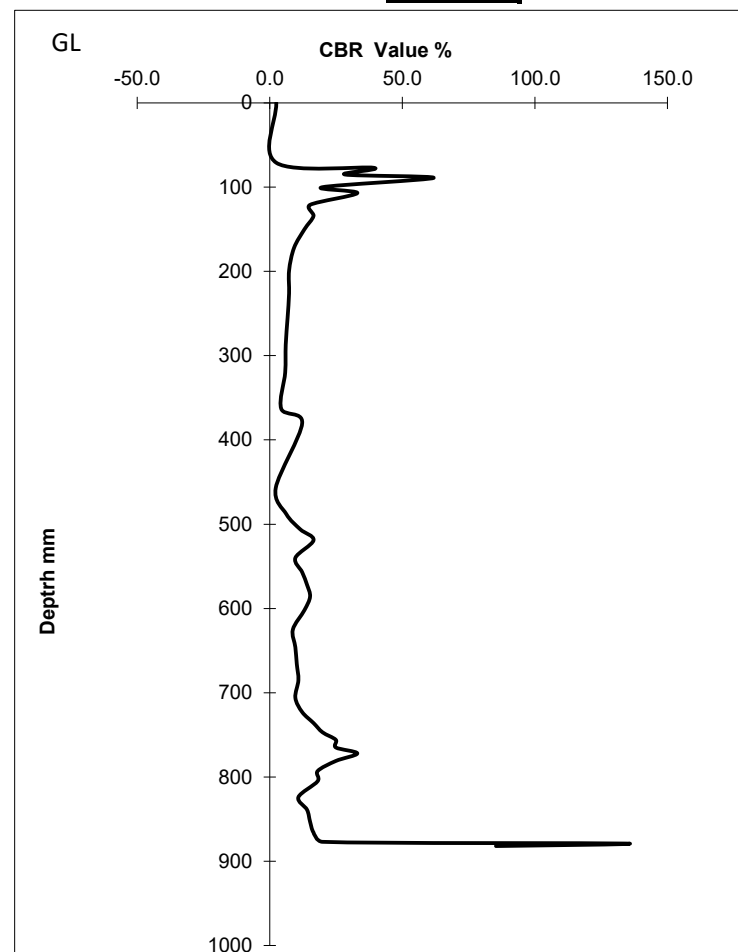


**SOUTH WALES
GROUND TESTING**

South Wales Ground Testing - In situ CBR by DCP Probe

CBR Value %	mm per blow	Reading on Scale (mm)	Depth From GL (mm)	CBR Value %	mm per blow	Reading on Scale (mm)	Depth From GL (mm)
2.5			0				
2.5	71	99	71				
39.3	6	105	77	19.9	11	905	877
28.4	8	113	85	134.3	2	907	879
61.8	4	117	89	85.3	3	910	882
19.9	11	128	100				
33.0	7	135	107				
15.2	14	149	121				
16.5	13	162	134				
13.1	16	178	150				
9.2	22	200	172				
7.3	27	227	199				
7.3	27	254	226				
6.7	29	283	255				
6.0	32	315	287				
5.8	33	348	320				
4.3	43	391	363				
12.2	17	408	380				
2.3	77	485	457				
6.2	31	516	488				
11.5	18	534	506				
16.5	13	547	519				
9.6	21	568	540				
12.2	17	585	557				
14.1	15	600	572				
15.2	14	614	586				
13.1	16	630	602				
8.7	23	653	625				
9.6	21	674	646				
10.2	20	694	666				
10.8	19	713	685				
9.6	21	734	706				
12.2	17	751	723				
16.5	13	764	736				
19.9	11	775	747				
24.9	9	784	756				
24.9	9	793	765				
33.0	7	800	772				
24.9	9	809	781				
18.1	12	821	793				
18.1	12	833	805				
10.8	19	852	824				
14.1	15	867	839				
15.2	14	881	853				
16.5	13	894	866				

Remarks: Tests commenced from ground level
 Zero reading = start depth below ground surface
 Reading on scale GL 28 (mm)
 Zero Reading test start 86 (mm)



CBR derivation after Webster et al, 1992

Remarks: After Transport Research Laboratory 2004

Date: 27.05.26

Reference: TRL 2

Project: Bishop Headley School

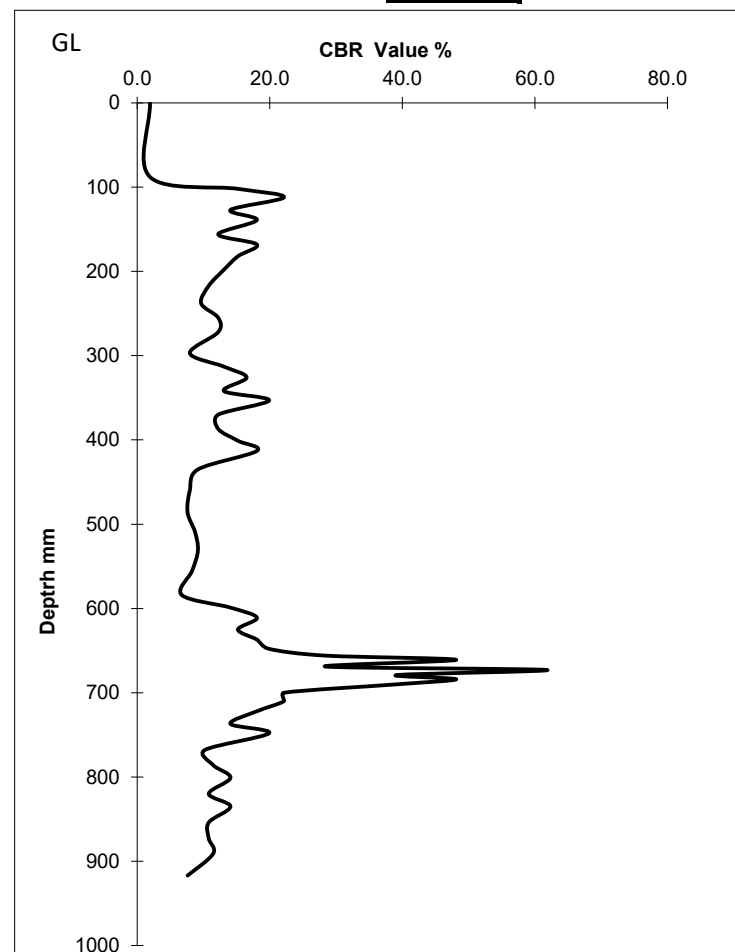
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South Wales Ground Testing - In situ CBR by DCP Probe

CBR Value %	mm per blow	Reading on Scale (mm)	Depth From GL (mm)	CBR Value %	mm per blow	Reading on Scale (mm)	Depth From GL (mm)
1.9			0				
1.9	88	116	88				
15.2	14	130	102	14.1	15	765	737
22.2	10	140	112	19.9	11	776	748
14.1	15	155	127	10.2	20	796	768
18.1	12	167	139	11.5	18	814	786
12.2	17	184	156	14.1	15	829	801
18.1	12	196	168	10.8	19	848	820
15.2	14	210	182	14.1	15	863	835
13.1	16	226	198	10.8	19	882	854
10.8	19	245	217	10.8	19	901	873
9.6	21	266	238	11.5	18	919	891
12.2	17	283	255	7.6	26	945	917
12.2	17	300	272				
7.9	25	325	297				
13.1	16	341	313				
16.5	13	354	326				
13.1	16	370	342				
19.9	11	381	353				
12.2	17	398	370				
12.2	17	415	387				
15.2	14	429	401				
18.1	12	441	413				
9.2	22	463	435				
7.9	25	488	460				
7.6	26	514	486				
8.7	23	537	509				
9.2	22	559	531				
8.3	24	583	555				
6.7	29	612	584				
14.1	15	627	599				
18.1	12	639	611				
15.2	14	653	625				
18.1	12	665	637				
19.9	11	676	648				
28.4	8	684	656				
48.1	5	689	661				
28.4	8	697	669				
61.8	4	701	673				
39.3	6	707	679				
48.1	5	712	684				
39.3	6	718	690				
22.2	10	728	700				
22.2	10	738	710				
18.1	12	750	722				

Remarks: Tests commenced from ground level
 Zero reading = start depth below ground surface
 Reading on scale GL 28 (mm)
 Zero Reading test start 95 (mm)



CBR derivation after Webster et al, 1992

Remarks: After Transport Research Laboratory 2004

Date: 27.05.26

Reference: TRL 3

Project: Bishop Headley School

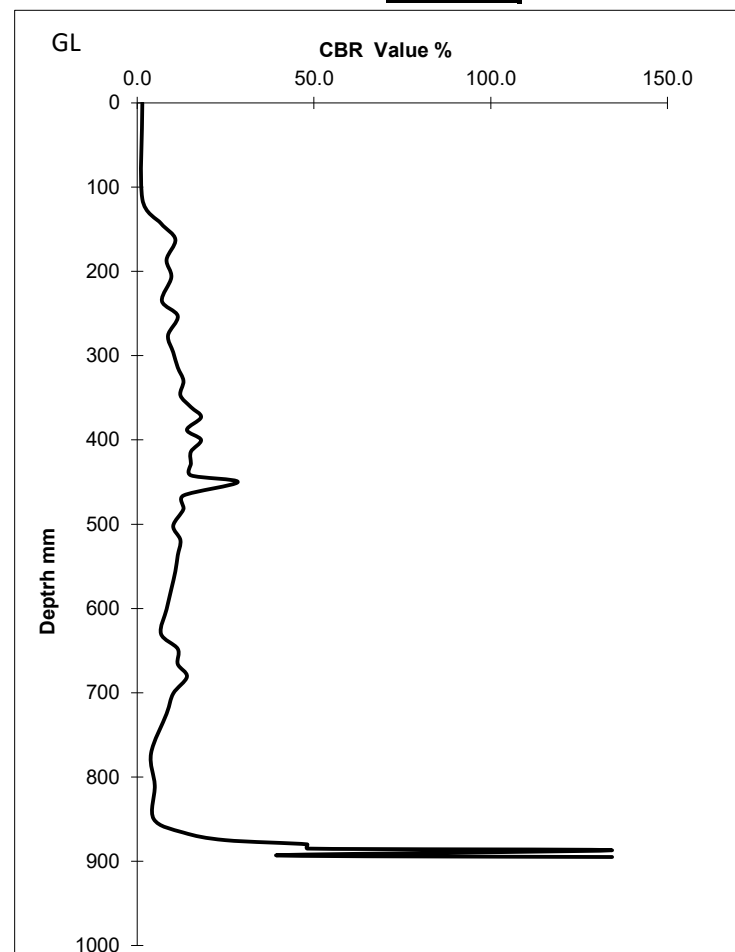
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South Wales Ground Testing - In situ CBR by DCP Probe

CBR Value %	mm per blow	Reading on Scale (mm)	Depth From GL (mm)	CBR Value %	mm per blow	Reading on Scale (mm)	Depth From GL (mm)
1.5			0				
1.5	114	142	114				
6.7	29	171	143				
10.8	19	190	162				
8.3	24	214	186				
9.6	21	235	207				
7.0	28	263	235				
11.5	18	281	253				
8.7	23	304	276				
10.2	20	324	296				
11.5	18	342	314				
13.1	16	358	330				
12.2	17	375	347				
15.2	14	389	361				
18.1	12	401	373				
14.1	15	416	388				
18.1	12	428	400				
15.2	14	442	414				
15.2	14	456	428				
15.2	14	470	442				
28.4	8	478	450				
13.1	16	494	466				
13.1	16	510	482				
10.2	20	530	502				
12.2	17	547	519				
11.5	18	565	537				
10.8	19	584	556				
9.6	21	605	577				
8.3	24	629	601				
6.7	29	658	630				
11.5	18	676	648				
11.5	18	694	666				
14.1	15	709	681				
10.2	20	729	701				
8.3	24	753	725				
3.9	47	800	772				
5.0	38	838	810				
4.7	40	878	850				
13.1	16	894	866				
24.9	9	903	875				
48.1	5	908	880				
48.1	5	913	885				
134.3	2	915	887				
39.3	6	921	893				
134.3	2	923	895				

Remarks: Tests commenced from ground level
 Zero reading = start depth below ground surface
 Reading on scale GL 28 (mm)
 Zero Reading test start 109 (mm)



CBR derivation after Webster et al, 1992

Remarks: After Transport Research Laboratory 2004

Date: 27.05.26

Reference: TRL 4

Project: Bishop Headley School

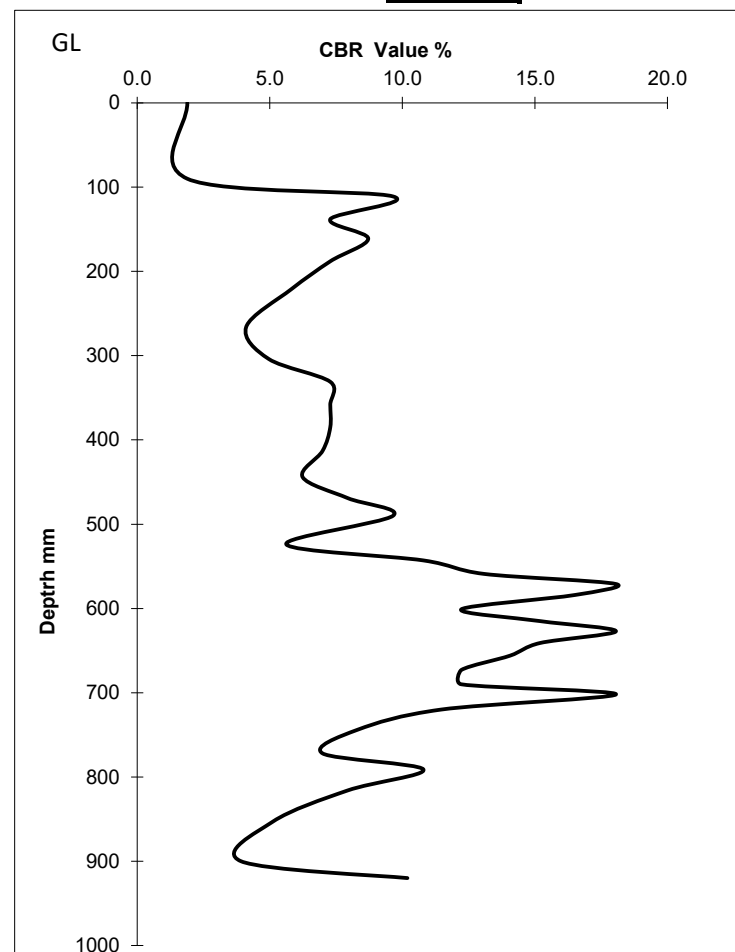
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South Wales Ground Testing - In situ CBR by DCP Probe

CBR Value %	mm per blow	Reading on Scale (mm)	Depth From GL (mm)	CBR Value %	mm per blow	Reading on Scale (mm)	Depth From GL (mm)
1.9			0				
1.9	90	118	90				
9.6	21	139	111				
7.3	27	166	138				
8.7	23	189	161				
7.3	27	216	188				
5.8	33	249	221				
4.1	45	294	266				
5.0	38	332	304				
7.3	27	359	331				
7.3	27	386	358				
7.3	27	413	385				
7.0	28	441	413				
6.2	31	472	444				
7.9	25	497	469				
9.6	21	518	490				
5.6	34	552	524				
10.8	19	571	543				
13.1	16	587	559				
18.1	12	599	571				
16.5	13	612	584				
12.2	17	629	601				
15.2	14	643	615				
18.1	12	655	627				
15.2	14	669	641				
14.1	15	684	656				
12.2	17	701	673				
12.2	17	718	690				
18.1	12	730	702				
11.5	18	748	720				
8.3	24	772	744				
7.0	28	800	772				
10.8	19	819	791				
7.9	25	844	816				
5.1	37	881	853				
3.9	47	928	900				
10.2	20	948	920				

Remarks: Tests commenced from ground level
 Zero reading = start depth below ground surface
 Reading on scale GL 28 (mm)
 Zero Reading test start 90 (mm)



CBR derivation after Webster et al, 1992

Remarks: After Transport Research Laboratory 2004

Date: 27.05.26

Reference: TRL 5

Project: Bishop Headley School

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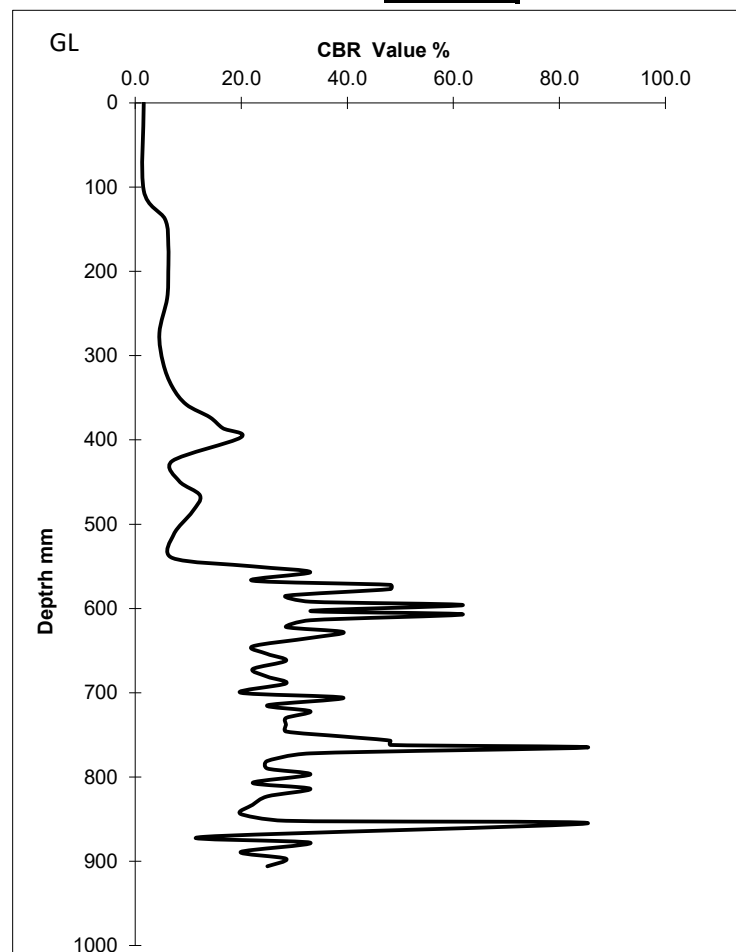


**SOUTH WALES
GROUND TESTING**

South Wales Ground Testing - In situ CBR by DCP Probe

CBR Value %	mm per blow	Reading on Scale (mm)	Depth From GL (mm)	CBR Value %	mm per blow	Reading on Scale (mm)	Depth From GL (mm)
1.6			0				
1.6	104	132	104				
5.6	34	166	138	28.4	8	774	746
6.2	31	197	169	39.3	6	780	752
6.2	31	228	200	48.1	5	785	757
6.0	32	260	232	48.1	5	790	762
4.6	41	301	273	85.3	3	793	765
5.3	36	337	309	33.0	7	800	772
7.0	28	365	337	24.9	9	809	781
9.6	21	386	358	24.9	9	818	790
14.1	15	401	373	33.0	7	825	797
16.5	13	414	386	22.2	10	835	807
19.9	11	425	397	33.0	7	842	814
7.0	28	453	425	24.9	9	851	823
8.3	24	477	449	22.2	10	861	833
12.2	17	494	466	19.9	11	872	844
10.8	19	513	485	28.4	8	880	852
7.3	27	540	512	85.3	3	883	855
7.0	28	568	540	13.1	16	899	871
22.2	10	578	550	33.0	7	906	878
33.0	7	585	557	19.9	11	917	889
22.2	10	595	567	28.4	8	925	897
48.1	5	600	572	24.9	9	934	906
48.1	5	605	577				
28.4	8	613	585				
33.0	7	620	592				
61.8	4	624	596				
33.0	7	631	603				
61.8	4	635	607				
33.0	7	642	614				
28.4	8	650	622				
39.3	6	656	628				
33.0	7	663	635				
22.2	10	673	645				
24.9	9	682	654				
28.4	8	690	662				
22.2	10	700	672				
24.9	9	709	681				
28.4	8	717	689				
19.9	11	728	700				
39.3	6	734	706				
24.9	9	743	715				
33.0	7	750	722				
28.4	8	758	730				
28.4	8	766	738				

Remarks: Tests commenced from ground level
 Zero reading = start depth below ground surface
 Reading on scale GL 28 (mm)
 Zero Reading test start 97 (mm)



CBR derivation after Webster et al, 1992

Remarks: After Transport Research Laboratory 2004

Date: 27.05.26

Reference: TRL 6

Project: Bishop Headley School

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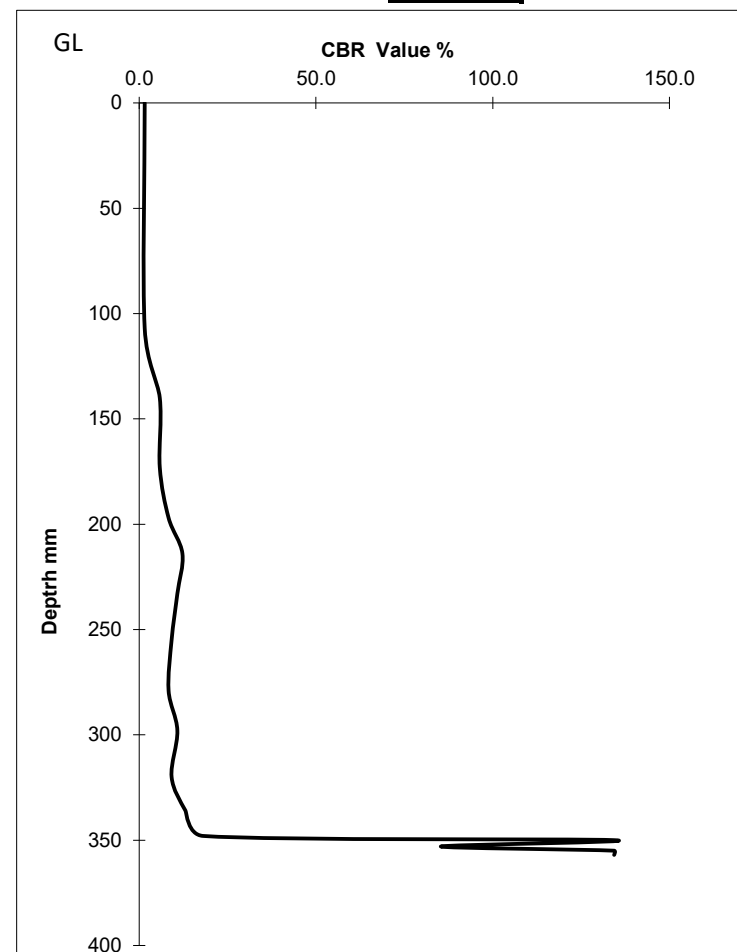


**SOUTH WALES
GROUND TESTING**

South Wales Ground Testing - In situ CBR by DCP Probe

CBR Value %	mm per blow	Reading on Scale (mm)	Depth From GL (mm)	CBR Value %	mm per blow	Reading on Scale (mm)	Depth From GL (mm)
1.6			0				
1.6	107	135	107				
5.8	33	168	140				
5.8	33	201	173				
8.3	24	225	197				
12.2	17	242	214				
10.8	19	261	233				
9.2	22	283	255				
8.3	24	307	279				
10.8	19	326	298				
9.2	22	348	320				
13.1	16	364	336				
18.1	12	376	348				
134.3	2	378	350				
85.3	3	381	353				
134.3	2	383	355				
134.3	2	385	357				

Remarks: Tests commenced from ground level
 Zero reading = start depth below ground surface
 Reading on scale GL 28 (mm)
 Zero Reading test start 94 (mm)



CBR derivation after Webster et al, 1992

Remarks: After Transport Research Laboratory 2004

Impenetrable at 385mm

Project: Bishop Headley School

Date: 27.05.26

Reference: TRL 7

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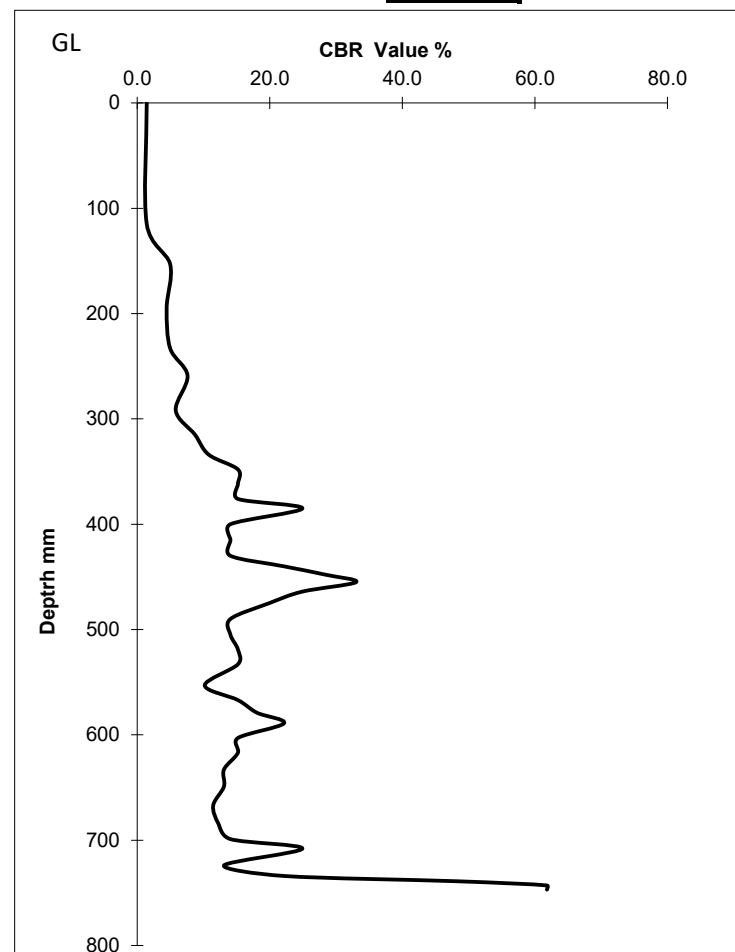


**SOUTH WALES
GROUND TESTING**

South Wales Ground Testing - In situ CBR by DCP Probe

CBR Value %	mm per blow	Reading on Scale (mm)	Depth From GL (mm)	CBR Value %	mm per blow	Reading on Scale (mm)	Depth From GL (mm)
1.4			0				
1.4	115	143	115				
5.0	38	181	153				
4.4	42	223	195				
5.0	38	261	233				
7.6	26	287	259				
5.8	33	320	292				
8.7	23	343	315				
10.8	19	362	334				
15.2	14	376	348				
15.2	14	390	362				
15.2	14	404	376				
24.9	9	413	385				
14.1	15	428	400				
14.1	15	443	415				
14.1	15	458	430				
22.2	10	468	440				
28.4	8	476	448				
33.0	7	483	455				
24.9	9	492	464				
19.9	11	503	475				
14.1	15	518	490				
14.1	15	533	505				
15.2	14	547	519				
15.2	14	561	533				
10.2	20	581	553				
15.2	14	595	567				
18.1	12	607	579				
22.2	10	617	589				
15.2	14	631	603				
15.2	14	645	617				
13.1	16	661	633				
13.1	16	677	649				
11.5	18	695	667				
12.2	17	712	684				
14.1	15	727	699				
24.9	9	736	708				
13.1	16	752	724				
22.2	10	762	734				
48.1	5	767	739				
61.8	4	771	743				
61.8	4	775	747				

Remarks: Tests commenced from ground level
 Zero reading = start depth below ground surface
 Reading on scale GL 28 (mm)
 Zero Reading test start 95 (mm)



CBR derivation after Webster et al, 1992

Remarks: After Transport Research Laboratory 2004

Impenetrable at 775mm

Project: Bishop Headley School

Date: 27.05.26

Reference: TRL 8

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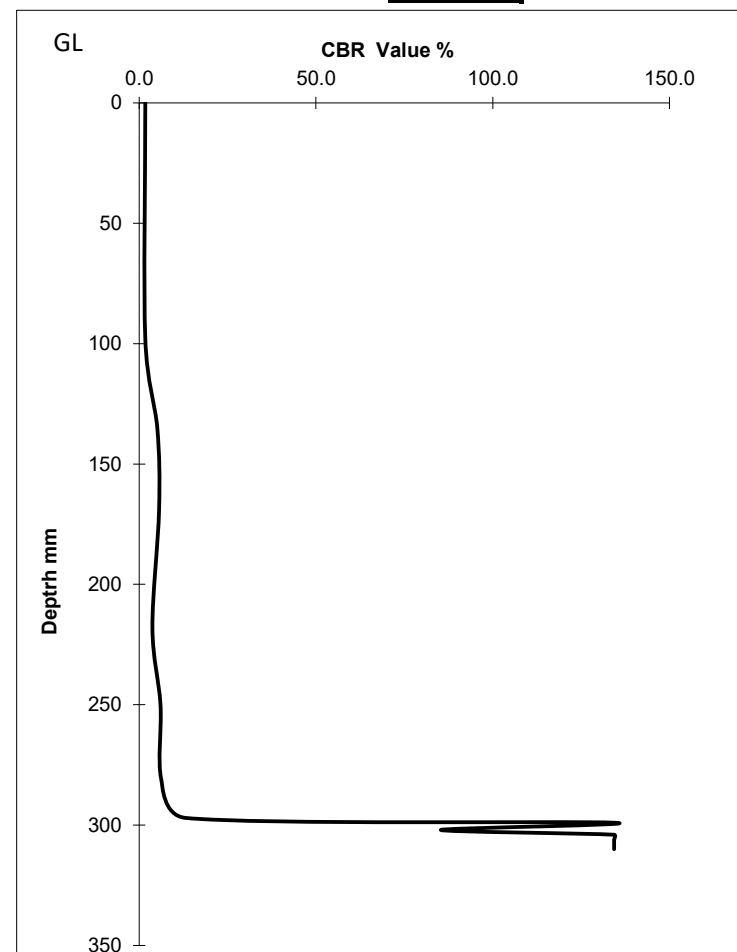


**SOUTH WALES
GROUND TESTING**

South Wales Ground Testing - In situ CBR by DCP Probe

CBR Value %	mm per blow	Reading on Scale (mm)	Depth From GL (mm)	CBR Value %	mm per blow	Reading on Scale (mm)	Depth From GL (mm)
1.7			0				
1.7	98	126	98				
5.1	37	163	135				
5.6	34	197	169				
3.7	49	246	218				
6.0	32	278	250				
6.2	31	309	281				
13.1	16	325	297				
134.3	2	327	299				
85.3	3	330	302				
134.3	2	332	304				
134.3	2	334	306				
134.3	2	336	308				
134.3	2	338	310				

Remarks: Tests commenced from ground level
 Zero reading = start depth below ground surface
 Reading on scale GL 28 (mm)
 Zero Reading test start 95 (mm)



CBR derivation after Webster et al, 1992

Remarks: After Transport Research Laboratory 2004

Impenetrable at 338mm

Project: Bishop Headley School

Date: 27.05.26

Reference: TRL 9

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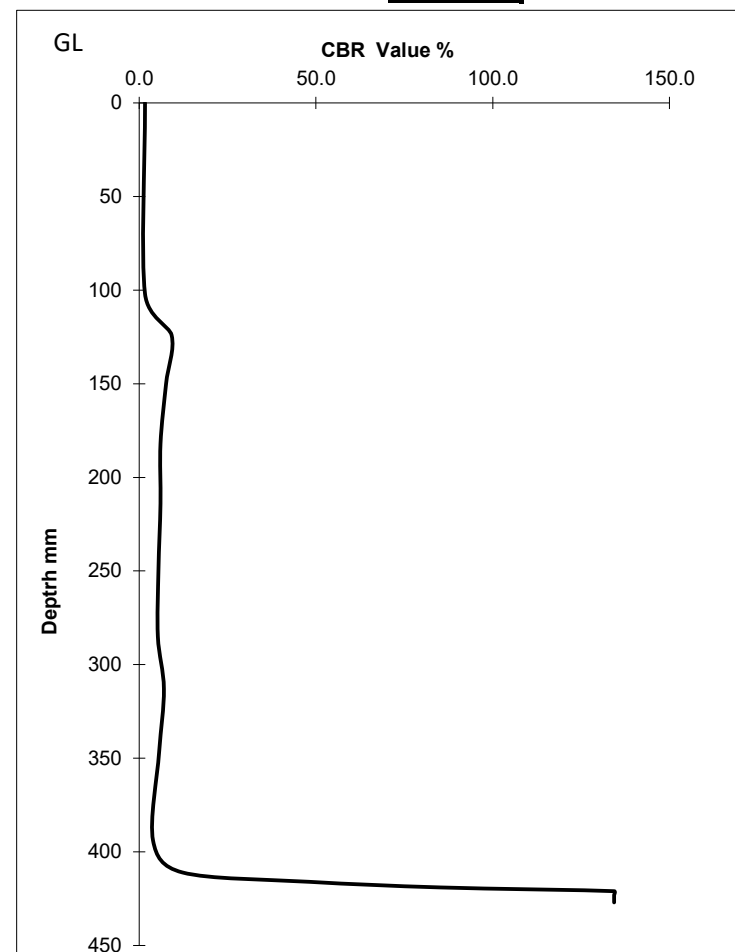


**SOUTH WALES
GROUND TESTING**

South Wales Ground Testing - In situ CBR by DCP Probe

CBR Value %	mm per blow	Reading on Scale (mm)	Depth From GL (mm)	CBR Value %	mm per blow	Reading on Scale (mm)	Depth From GL (mm)
1.6			0				
1.6	102	130	102				
9.2	22	152	124				
7.6	26	178	150				
6.0	32	210	182				
6.0	32	242	214				
5.4	35	277	249				
5.3	36	313	285				
7.0	28	341	313				
5.6	34	375	347				
3.9	47	422	394				
12.2	17	439	411				
48.1	5	444	416				
85.3	3	447	419				
134.3	2	449	421				
134.3	2	451	423				
134.3	2	453	425				
134.3	2	455	427				

Remarks: Tests commenced from ground level
 Zero reading = start depth below ground surface
 Reading on scale GL 28 (mm)
 Zero Reading test start 92 (mm)



CBR derivation after Webster et al, 1992

Remarks: After Transport Research Laboratory 2004

Impenetrable at 455mm

Project: Bishop Headley School

Date: 27.05.26

Reference: TRL 10

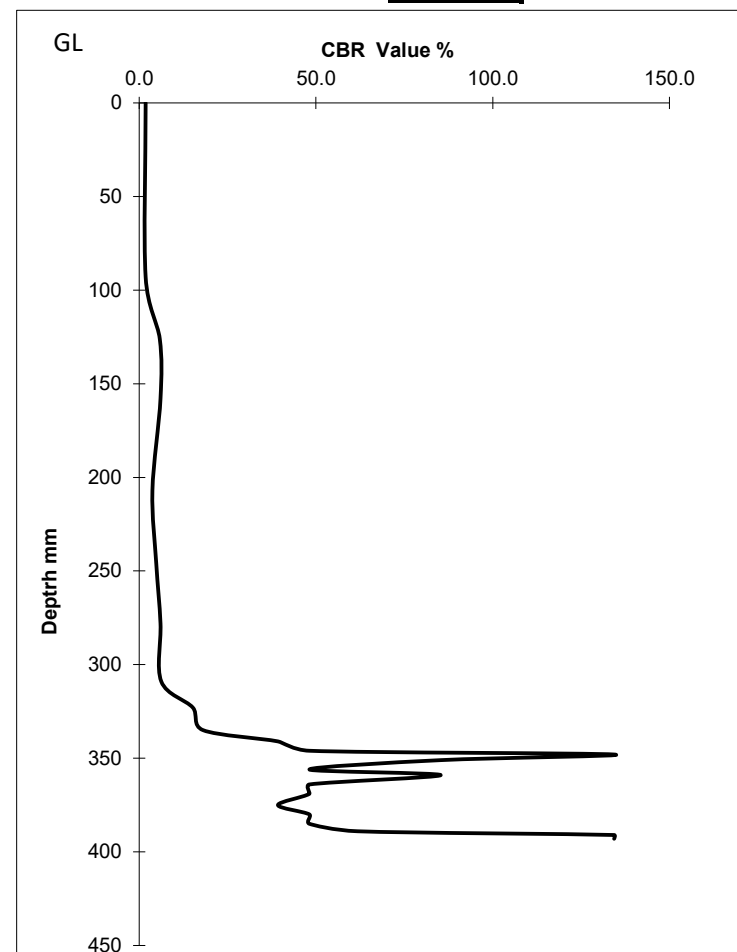
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South Wales Ground Testing - In situ CBR by DCP Probe

CBR Value %	mm per blow	Reading on Scale (mm)	Depth From GL (mm)	CBR Value %	mm per blow	Reading on Scale (mm)	Depth From GL (mm)
1.8			0				
1.8	93	121	93				
5.8	33	154	126				
6.0	32	186	158				
3.7	49	235	207				
4.8	39	274	246				
6.0	32	306	278				
6.2	31	337	309				
15.2	14	351	323				
18.1	12	363	335				
39.3	6	369	341				
48.1	5	374	346				
134.3	2	376	348				
85.3	3	379	351				
48.1	5	384	356				
85.3	3	387	359				
48.1	5	392	364				
48.1	5	397	369				
39.3	6	403	375				
48.1	5	408	380				
48.1	5	413	385				
61.8	4	417	389				
134.3	2	419	391				
134.3	2	421	393				

Remarks: Tests commenced from ground level
 Zero reading = start depth below ground surface
 Reading on scale GL 28 (mm)
 Zero Reading test start 86 (mm)



CBR derivation after Webster et al, 1992

Remarks: After Transport Research Laboratory 2004

Impenetrable at 421mm

Project: Bishop Headley School

Date: 27.05.26

Reference: TRL 11

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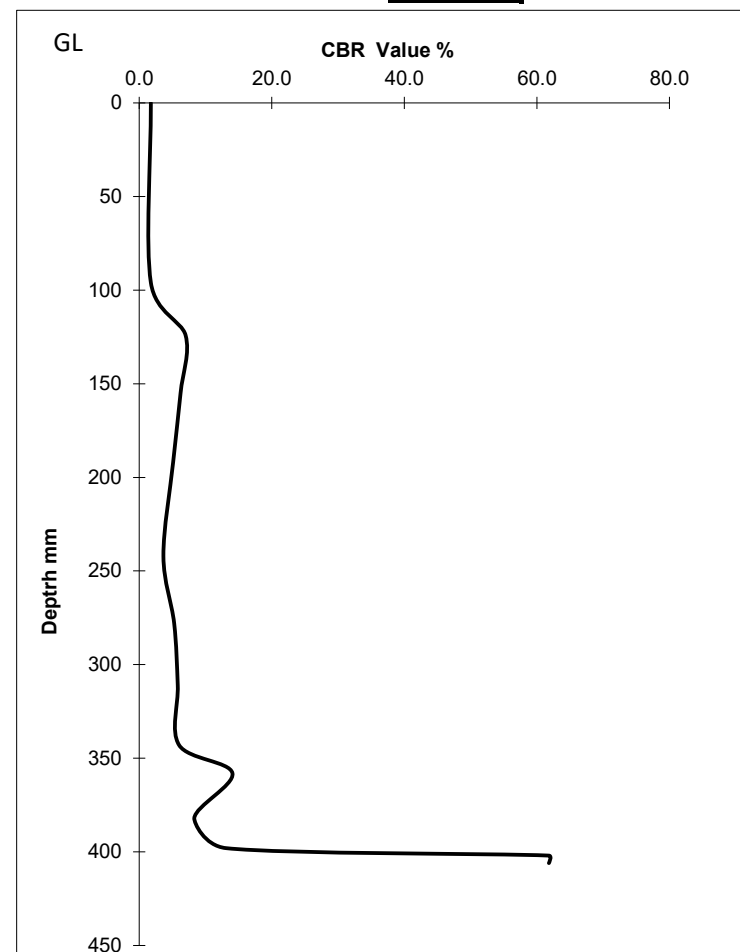


**SOUTH WALES
GROUND TESTING**

South Wales Ground Testing - In situ CBR by DCP Probe

CBR Value %	mm per blow	Reading on Scale (mm)	Depth From GL (mm)	CBR Value %	mm per blow	Reading on Scale (mm)	Depth From GL (mm)
1.8			0				
1.8	96	124	96				
7.0	28	152	124				
6.2	31	183	155				
5.1	37	220	192				
3.7	50	270	242				
5.3	36	306	278				
5.8	33	339	311				
6.0	32	371	343				
14.1	15	386	358				
8.3	24	410	382				
13.1	16	426	398				
61.8	4	430	402				
61.8	4	434	406				

Remarks: Tests commenced from ground level
 Zero reading = start depth below ground surface
 Reading on scale GL 28 (mm)
 Zero Reading test start 90 (mm)



CBR derivation after Webster et al, 1992

Remarks: After Transport Research Laboratory 2004

Impenetrable at 434mm

Project: Bishop Headley School

Date: 27.05.26

Reference: TRL 12

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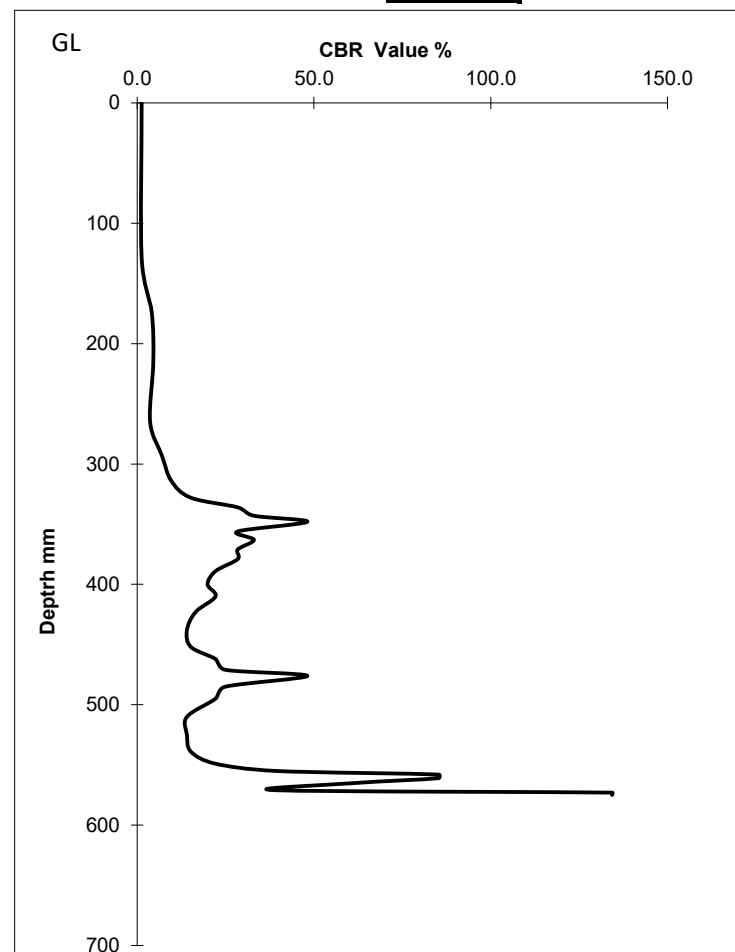


**SOUTH WALES
GROUND TESTING**

South Wales Ground Testing - In situ CBR by DCP Probe

CBR Value %	mm per blow	Reading on Scale (mm)	Depth From GL (mm)	CBR Value %	mm per blow	Reading on Scale (mm)	Depth From GL (mm)
1.3			0				
1.3	129	157	129				
4.1	45	202	174				
4.6	41	243	215				
3.7	50	293	265				
7.0	28	321	293				
9.6	21	342	314				
15.2	14	356	328				
28.4	8	364	336				
33.0	7	371	343				
48.1	5	376	348				
28.4	8	384	356				
33.0	7	391	363				
28.4	8	399	371				
28.4	8	407	379				
22.2	10	417	389				
19.9	11	428	400				
22.2	10	438	410				
16.5	13	451	423				
14.1	15	466	438				
15.2	14	480	452				
22.2	10	490	462				
24.9	9	499	471				
48.1	5	504	476				
24.9	9	513	485				
22.2	10	523	495				
14.1	15	538	510				
14.1	15	553	525				
15.2	14	567	539				
22.2	10	577	549				
39.3	6	583	555				
85.3	3	586	558				
85.3	3	589	561				
61.8	4	593	565				
39.3	6	599	571				
134.3	2	601	573				
134.3	2	603	575				

Remarks: Tests commenced from ground level
 Zero reading = start depth below ground surface
 Reading on scale GL 28 (mm)
 Zero Reading test start 101 (mm)



CBR derivation after Webster et al, 1992

Remarks: After Transport Research Laboratory 2004

Impenetrable at 603mm

Project: Bishop Headley School

Date: 27.05.26

Reference: TRL 13

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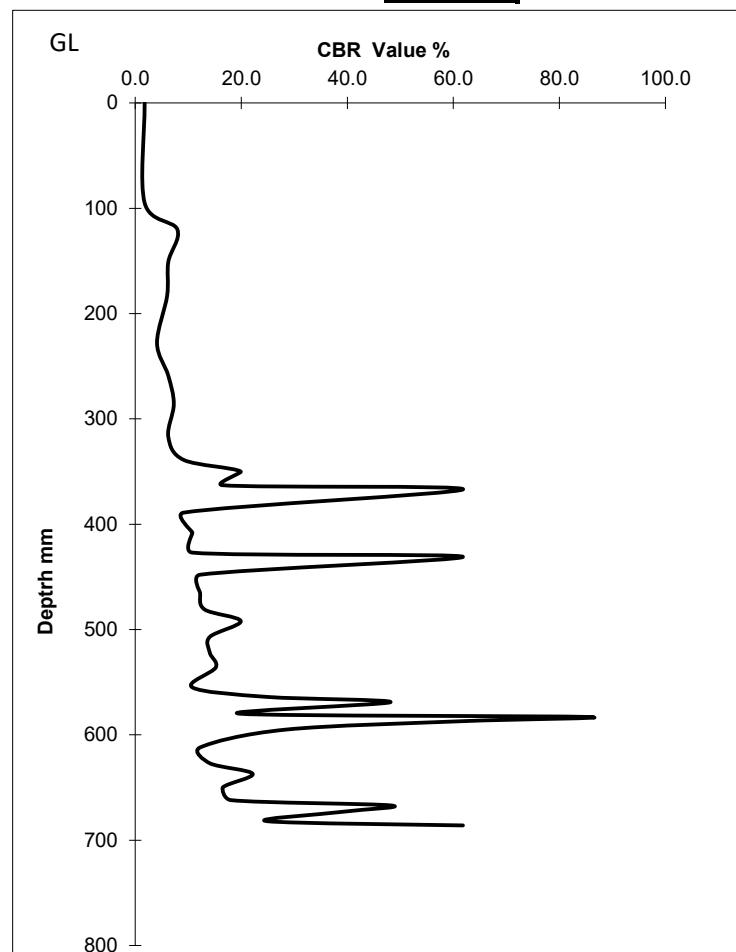


**SOUTH WALES
GROUND TESTING**

South Wales Ground Testing - In situ CBR by DCP Probe

CBR Value %	mm per blow	Reading on Scale (mm)	Depth From GL (mm)	CBR Value %	mm per blow	Reading on Scale (mm)	Depth From GL (mm)
1.8			0				
1.8	95	123	95				
7.9	25	148	120				
6.2	31	179	151				
6.0	32	211	183				
4.1	45	256	228				
6.2	31	287	259				
7.3	27	314	286				
6.2	31	345	317				
9.2	22	367	339				
19.9	11	378	350				
16.5	13	391	363				
61.8	4	395	367				
9.2	22	417	389				
10.8	19	436	408				
10.8	19	455	427				
61.8	4	459	431				
12.2	17	476	448				
12.2	17	493	465				
13.1	16	509	481				
19.9	11	520	492				
14.1	15	535	507				
14.1	15	550	522				
15.2	14	564	536				
10.8	19	583	555				
24.9	9	592	564				
48.1	5	597	569				
19.9	11	608	580				
85.3	3	611	583				
61.8	4	615	587				
28.4	8	623	595				
12.2	17	640	612				
14.1	15	655	627				
22.2	10	665	637				
16.5	13	678	650				
18.1	12	690	662				
48.1	5	695	667				
39.3	6	701	673				
24.9	9	710	682				
61.8	4	714	686				

Remarks: Tests commenced from ground level
 Zero reading = start depth below ground surface
 Reading on scale GL 28 (mm)
 Zero Reading test start 86 (mm)



CBR derivation after Webster et al, 1992

Remarks: After Transport Research Laboratory 2004

Impenetrable at 714mm

Project: Bishop Headley School

Date: 27.05.26

Reference: TRL 14

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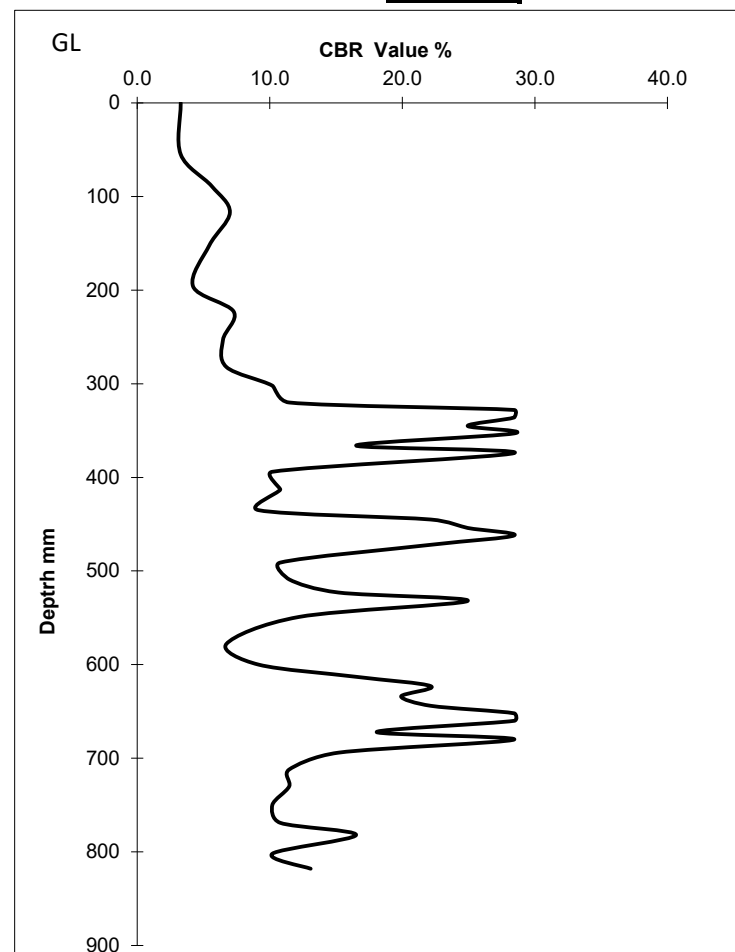


**SOUTH WALES
GROUND TESTING**

South Wales Ground Testing - In situ CBR by DCP Probe

CBR Value %	mm per blow	Reading on Scale (mm)	Depth From GL (mm)	CBR Value %	mm per blow	Reading on Scale (mm)	Depth From GL (mm)
3.3			0				
3.3	55	83	55				
5.6	34	117	89	10.2	20	830	802
7.0	28	145	117	13.1	16	846	818
5.4	35	180	152				
4.2	44	224	196				
7.3	27	251	223				
6.5	30	281	253				
6.7	29	310	282				
10.2	20	330	302				
11.5	18	348	320				
28.4	8	356	328				
28.4	8	364	336				
24.9	9	373	345				
28.4	8	381	353				
16.5	13	394	366				
28.4	8	402	374				
10.2	20	422	394				
10.8	19	441	413				
9.2	22	463	435				
22.2	10	473	445				
24.9	9	482	454				
28.4	8	490	462				
22.2	10	500	472				
10.8	19	519	491				
11.5	18	537	509				
15.2	14	551	523				
24.9	9	560	532				
12.2	17	577	549				
6.7	29	606	578				
9.2	22	628	600				
16.5	13	641	613				
22.2	10	651	623				
19.9	11	662	634				
22.2	10	672	644				
28.4	8	680	652				
28.4	8	688	660				
18.1	12	700	672				
28.4	8	708	680				
15.2	14	722	694				
11.5	18	740	712				
11.5	18	758	730				
10.2	20	778	750				
10.8	19	797	769				
16.5	13	810	782				

Remarks: Tests commenced from ground level
 Zero reading = start depth below ground surface
 Reading on scale GL 28 (mm)
 Zero Reading test start 43 (mm)



CBR derivation after Webster et al, 1992

Remarks: After Transport Research Laboratory 2004

Impenetrable at 847mm

Project: Bishop Headley School

Date: 27.05.26

Reference: TRL 15

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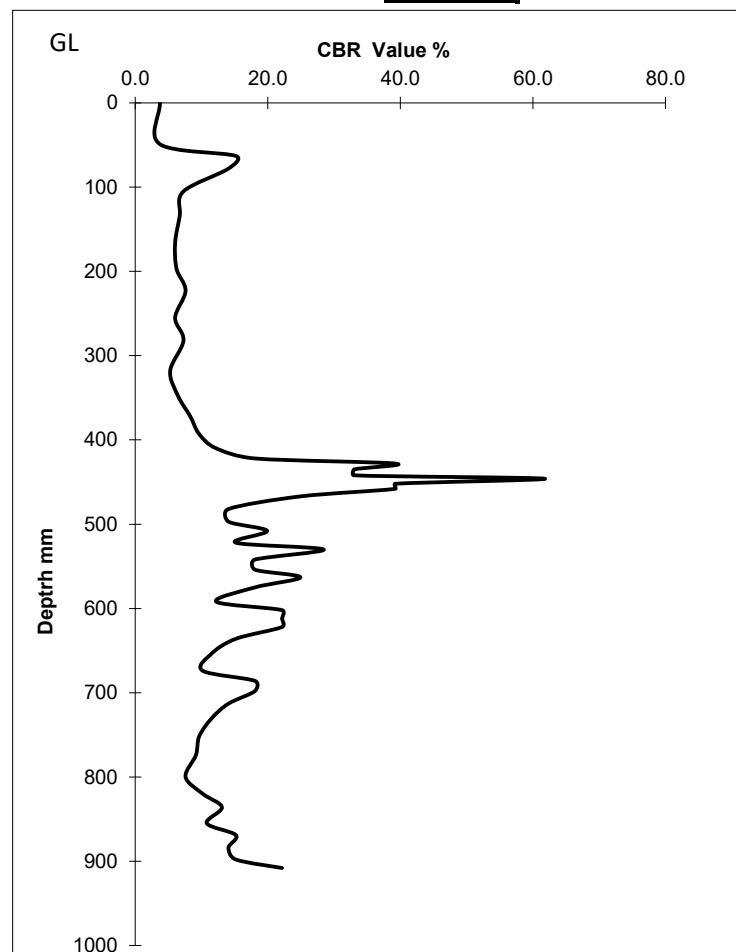


**SOUTH WALES
GROUND TESTING**

South Wales Ground Testing - In situ CBR by DCP Probe

CBR Value %	mm per blow	Reading on Scale (mm)	Depth From GL (mm)	CBR Value %	mm per blow	Reading on Scale (mm)	Depth From GL (mm)
3.7			0				
3.7	49	77	49				
15.2	14	91	63	9.2	22	802	774
14.1	15	106	78	7.6	26	828	800
7.3	27	133	105	10.2	20	848	820
6.7	29	162	134	13.1	16	864	836
6.0	32	194	166	10.8	19	883	855
6.2	31	225	197	15.2	14	897	869
7.6	26	251	223	14.1	15	912	884
6.0	32	283	255	15.2	14	926	898
7.3	27	310	282	22.2	10	936	908
5.3	36	346	318				
6.5	30	376	348				
8.3	24	400	372				
9.6	21	421	393				
12.2	17	438	410				
18.1	12	450	422				
39.3	6	456	428				
33.0	7	463	435				
33.0	7	470	442				
61.8	4	474	446				
39.3	6	480	452				
39.3	6	486	458				
24.9	9	495	467				
14.1	15	510	482				
14.1	15	525	497				
19.9	11	536	508				
15.2	14	550	522				
28.4	8	558	530				
18.1	12	570	542				
18.1	12	582	554				
24.9	9	591	563				
18.1	12	603	575				
12.2	17	620	592				
22.2	10	630	602				
22.2	10	640	612				
22.2	10	650	622				
15.2	14	664	636				
11.5	18	682	654				
10.2	20	702	674				
18.1	12	714	686				
18.1	12	726	698				
14.1	15	741	713				
11.5	18	759	731				
9.6	21	780	752				

Remarks: Tests commenced from ground level
 Zero reading = start depth below ground surface
 Reading on scale GL 28 (mm)
 Zero Reading test start 46 (mm)



CBR derivation after Webster et al, 1992

Remarks: After Transport Research Laboratory 2004

Date: 27.05.26

Reference: TRL 16

Project: Bishop Headley School

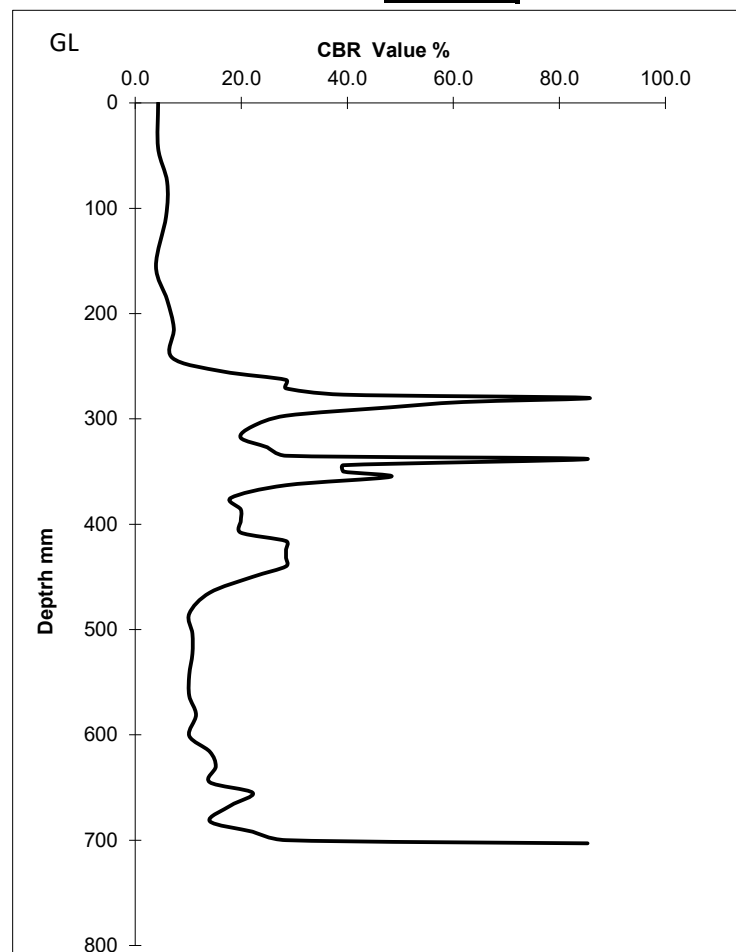
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South Wales Ground Testing - In situ CBR by DCP Probe

CBR Value %	mm per blow	Reading on Scale (mm)	Depth From GL (mm)	CBR Value %	mm per blow	Reading on Scale (mm)	Depth From GL (mm)
4.3			0				
4.3	43	71	43				
6.0	32	103	75	22.2	10	683	655
5.8	33	136	108	18.1	12	695	667
3.9	47	183	155	14.1	15	710	682
6.0	32	215	187	22.2	10	720	692
7.3	27	242	214	28.4	8	728	700
7.0	28	270	242	85.3	3	731	703
16.5	13	283	255				
28.4	8	291	263				
28.4	8	299	271				
39.3	6	305	277				
85.3	3	308	280				
61.8	4	312	284				
48.1	5	317	289				
28.4	8	325	297				
22.2	10	335	307				
19.9	11	346	318				
24.9	9	355	327				
28.4	8	363	335				
85.3	3	366	338				
39.3	6	372	344				
39.3	6	378	350				
48.1	5	383	355				
28.4	8	391	363				
18.1	12	403	375				
19.9	11	414	386				
19.9	11	425	397				
19.9	11	436	408				
28.4	8	444	416				
28.4	8	452	424				
28.4	8	460	432				
28.4	8	468	440				
22.2	10	478	450				
14.1	15	493	465				
10.2	20	513	485				
10.8	19	532	504				
10.8	19	551	523				
10.2	20	571	543				
10.2	20	591	563				
11.5	18	609	581				
10.2	20	629	601				
14.1	15	644	616				
15.2	14	658	630				
14.1	15	673	645				

Remarks: Tests commenced from ground level
 Zero reading = start depth below ground surface
 Reading on scale GL 28 (mm)
 Zero Reading test start 41 (mm)



CBR derivation after Webster et al, 1992

Remarks: After Transport Research Laboratory 2004

Impenetrable at 731mm

Project: Bishop Headley School

Date: 27.05.26

Reference: TRL 17

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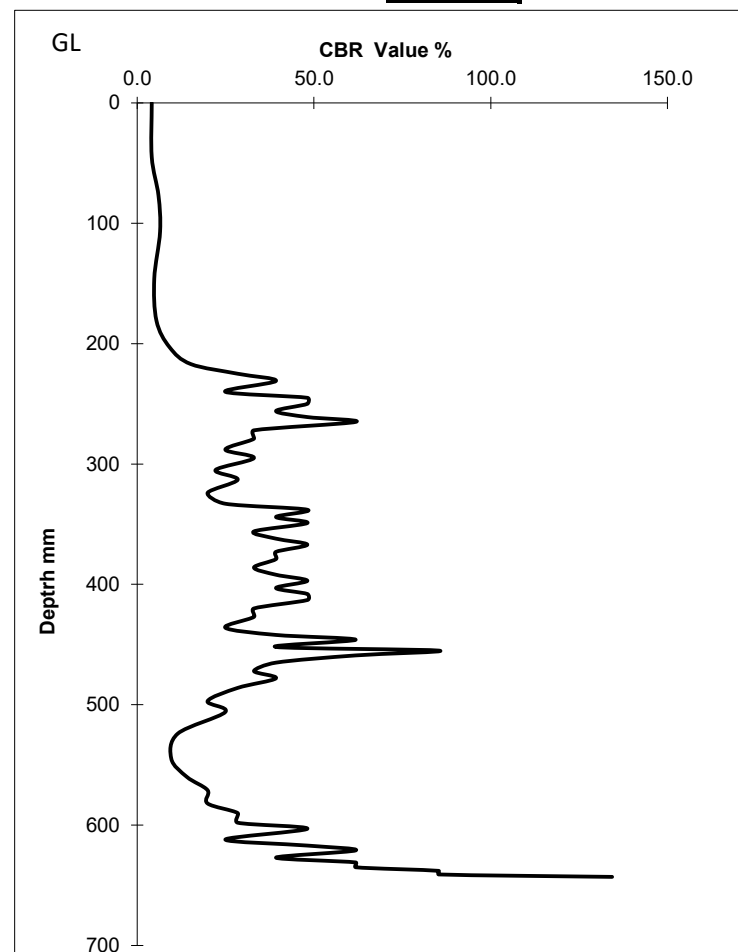


**SOUTH WALES
GROUND TESTING**

South Wales Ground Testing - In situ CBR by DCP Probe

CBR Value %	mm per blow	Reading on Scale (mm)	Depth From GL (mm)	CBR Value %	mm per blow	Reading on Scale (mm)	Depth From GL (mm)
4.1			0				
4.1	45	73	45				
6.0	32	105	77	61.8	4	487	459
6.5	30	135	107	39.3	6	493	465
4.8	39	174	146	33.0	7	500	472
5.4	35	209	181	39.3	6	506	478
9.2	22	231	203	28.4	8	514	486
15.2	14	245	217	19.9	11	525	497
28.4	8	253	225	24.9	9	534	506
39.3	6	259	231	11.5	18	552	524
24.9	9	268	240	9.6	21	573	545
48.1	5	273	245	14.1	15	588	560
48.1	5	278	250	19.9	11	599	571
39.3	6	284	256	19.9	11	610	582
48.1	5	289	261	28.4	8	618	590
61.8	4	293	265	28.4	8	626	598
33.0	7	300	272	48.1	5	631	603
33.0	7	307	279	24.9	9	640	612
24.9	9	316	288	48.1	5	645	617
33.0	7	323	295	61.8	4	649	621
22.2	10	333	305	39.3	6	655	627
28.4	8	341	313	61.8	4	659	631
19.9	11	352	324	61.8	4	663	635
24.9	9	361	333	85.3	3	666	638
48.1	5	366	338	85.3	3	669	641
39.3	6	372	344	134.3	2	671	643
48.1	5	377	349				
33.0	7	384	356				
39.3	6	390	362				
48.1	5	395	367				
39.3	6	401	373				
39.3	6	407	379				
33.0	7	414	386				
39.3	6	420	392				
48.1	5	425	397				
39.3	6	431	403				
48.1	5	436	408				
48.1	5	441	413				
33.0	7	448	420				
33.0	7	455	427				
24.9	9	464	436				
39.3	6	470	442				
61.8	4	474	446				
39.3	6	480	452				
85.3	3	483	455				

Remarks: Tests commenced from ground level
 Zero reading = start depth below ground surface
 Reading on scale GL 28 (mm)
 Zero Reading test start 40 (mm)



CBR derivation after Webster et al, 1992

Remarks: After Transport Research Laboratory 2004

Impenetrable at 671mm

Project: Bishop Headley School

Date: 27.05.26

Reference: TRL 18

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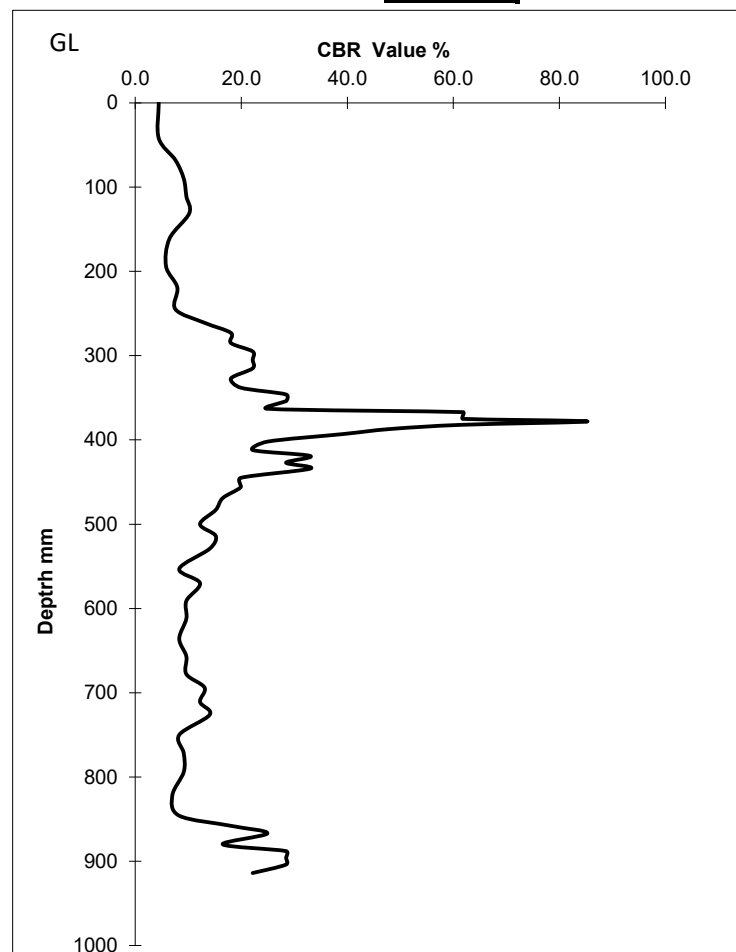


**SOUTH WALES
GROUND TESTING**

South Wales Ground Testing - In situ CBR by DCP Probe

CBR Value %	mm per blow	Reading on Scale (mm)	Depth From GL (mm)	CBR Value %	mm per blow	Reading on Scale (mm)	Depth From GL (mm)
4.4			0				
4.4	42	70	42				
7.6	26	96	68	9.6	21	685	657
9.2	22	118	90	9.6	21	706	678
9.6	21	139	111	13.1	16	722	694
10.2	20	159	131	12.2	17	739	711
6.5	30	189	161	14.1	15	754	726
5.8	33	222	194	8.3	24	778	750
7.9	25	247	219	9.2	22	800	772
7.6	26	273	245	9.2	22	822	794
13.1	16	289	261	7.0	28	850	822
18.1	12	301	273	8.3	24	874	846
18.1	12	313	285	18.1	12	886	858
22.2	10	323	295	24.9	9	895	867
22.2	10	333	305	16.5	13	908	880
22.2	10	343	315	28.4	8	916	888
18.1	12	355	327	28.4	8	924	896
19.9	11	366	338	28.4	8	932	904
28.4	8	374	346	22.2	10	942	914
28.4	8	382	354				
24.9	9	391	363				
61.8	4	395	367				
61.8	4	399	371				
61.8	4	403	375				
85.3	3	406	378				
61.8	4	410	382				
48.1	5	415	387				
39.3	6	421	393				
24.9	9	430	402				
22.2	10	440	412				
33.0	7	447	419				
28.4	8	455	427				
33.0	7	462	434				
19.9	11	473	445				
19.9	11	484	456				
16.5	13	497	469				
15.2	14	511	483				
12.2	17	528	500				
15.2	14	542	514				
14.1	15	557	529				
8.3	24	581	553				
12.2	17	598	570				
9.6	21	619	591				
9.6	21	640	612				
8.3	24	664	636				

Remarks: Tests commenced from ground level
 Zero reading = start depth below ground surface
 Reading on scale GL 28 (mm)
 Zero Reading test start 32 (mm)



CBR derivation after Webster et al, 1992

Remarks: After Transport Research Laboratory 2004

Date: 27.05.26

Reference: TRL 19

Project: Bishop Headley School

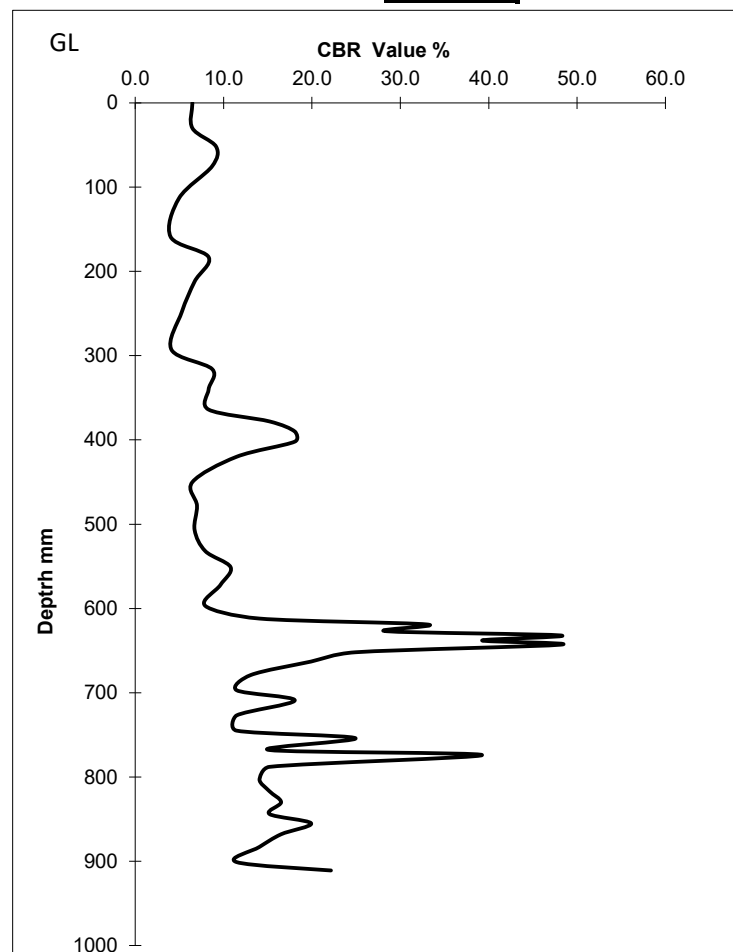
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South Wales Ground Testing - In situ CBR by DCP Probe

CBR Value %	mm per blow	Reading on Scale (mm)	Depth From GL (mm)	CBR Value %	mm per blow	Reading on Scale (mm)	Depth From GL (mm)
6.5			0				
6.5	30	58	30				
9.2	22	80	52	19.9	11	883	855
8.7	23	103	75	16.5	13	896	868
5.0	38	141	113	14.1	15	911	883
4.0	46	187	159	11.5	18	929	901
8.3	24	211	183	22.2	10	939	911
6.7	29	240	212				
5.3	36	276	248				
4.1	45	321	293				
8.7	23	344	316				
8.3	24	368	340				
8.3	24	392	364				
15.2	14	406	378				
18.1	12	418	390				
18.1	12	430	402				
11.5	18	448	420				
6.5	30	478	450				
7.0	28	506	478				
6.7	29	535	507				
7.9	25	560	532				
10.8	19	579	551				
9.6	21	600	572				
7.9	25	625	597				
14.1	15	640	612				
33.0	7	647	619				
28.4	8	655	627				
48.1	5	660	632				
39.3	6	666	638				
48.1	5	671	643				
24.9	9	680	652				
19.9	11	691	663				
13.1	16	707	679				
11.5	18	725	697				
18.1	12	737	709				
11.5	18	755	727				
11.5	18	773	745				
24.9	9	782	754				
15.2	14	796	768				
39.3	6	802	774				
15.2	14	816	788				
14.1	15	831	803				
15.2	14	845	817				
16.5	13	858	830				
15.2	14	872	844				

Remarks: Tests commenced from ground level
 Zero reading = start depth below ground surface
 Reading on scale GL 28 (mm)
 Zero Reading test start 32 (mm)



CBR derivation after Webster et al, 1992

Remarks: After Transport Research Laboratory 2004

Date: 27.05.26

Reference: TRL 20

Project: Bishop Headley School

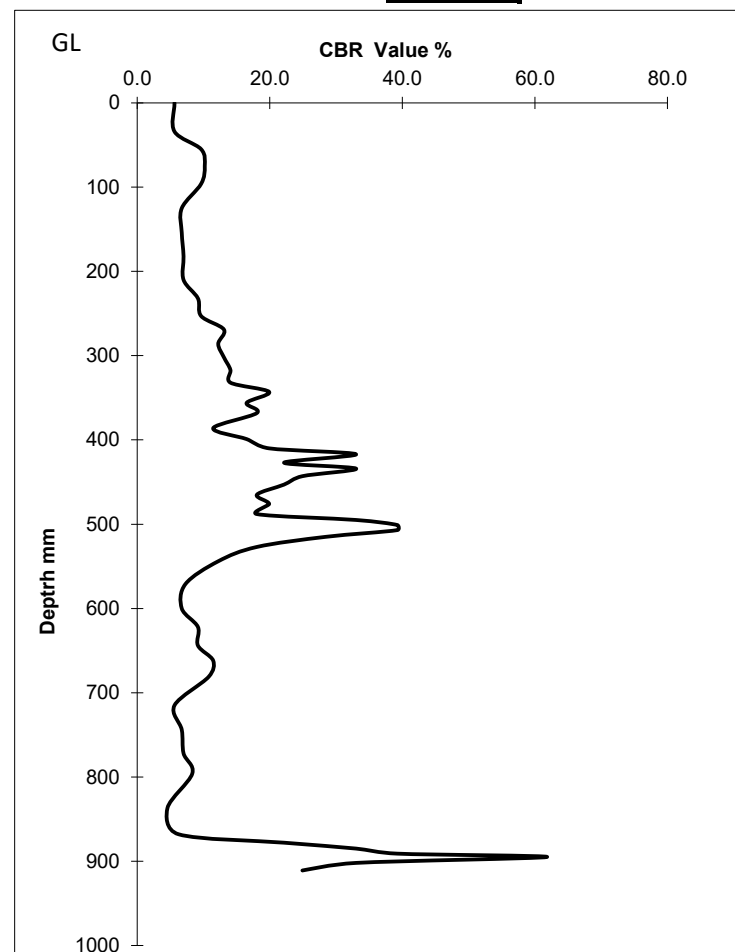
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South Wales Ground Testing - In situ CBR by DCP Probe

CBR Value %	mm per blow	Reading on Scale (mm)	Depth From GL (mm)	CBR Value %	mm per blow	Reading on Scale (mm)	Depth From GL (mm)
5.6			0				
5.6	34	62	34				
9.6	21	83	55	8.3	24	824	796
10.2	20	103	75	4.6	41	865	837
9.6	21	124	96	6.2	31	896	868
6.7	29	153	125	22.2	10	906	878
6.7	29	182	154	33.0	7	913	885
7.0	28	210	182	39.3	6	919	891
7.0	28	238	210	61.8	4	923	895
9.2	22	260	232	33.0	7	930	902
9.6	21	281	253	24.9	9	939	911
13.1	16	297	269				
12.2	17	314	286				
13.1	16	330	302				
14.1	15	345	317				
14.1	15	360	332				
19.9	11	371	343				
16.5	13	384	356				
18.1	12	396	368				
11.5	18	414	386				
16.5	13	427	399				
19.9	11	438	410				
33.0	7	445	417				
22.2	10	455	427				
33.0	7	462	434				
24.9	9	471	443				
22.2	10	481	453				
18.1	12	493	465				
19.9	11	504	476				
18.1	12	516	488				
33.0	7	523	495				
39.3	6	529	501				
39.3	6	535	507				
28.4	8	543	515				
18.1	12	555	527				
12.2	17	572	544				
7.3	27	599	571				
6.7	29	628	600				
9.2	22	650	622				
9.2	22	672	644				
11.5	18	690	662				
10.8	19	709	681				
5.6	34	743	715				
6.7	29	772	744				
7.0	28	800	772				

Remarks: Tests commenced from ground level
 Zero reading = start depth below ground surface
 Reading on scale GL 28 (mm)
 Zero Reading test start 35 (mm)



CBR derivation after Webster et al, 1992

Remarks: After Transport Research Laboratory 2004

Date: 27.05.26

Reference: TRL 21

Project: Bishop Headley School

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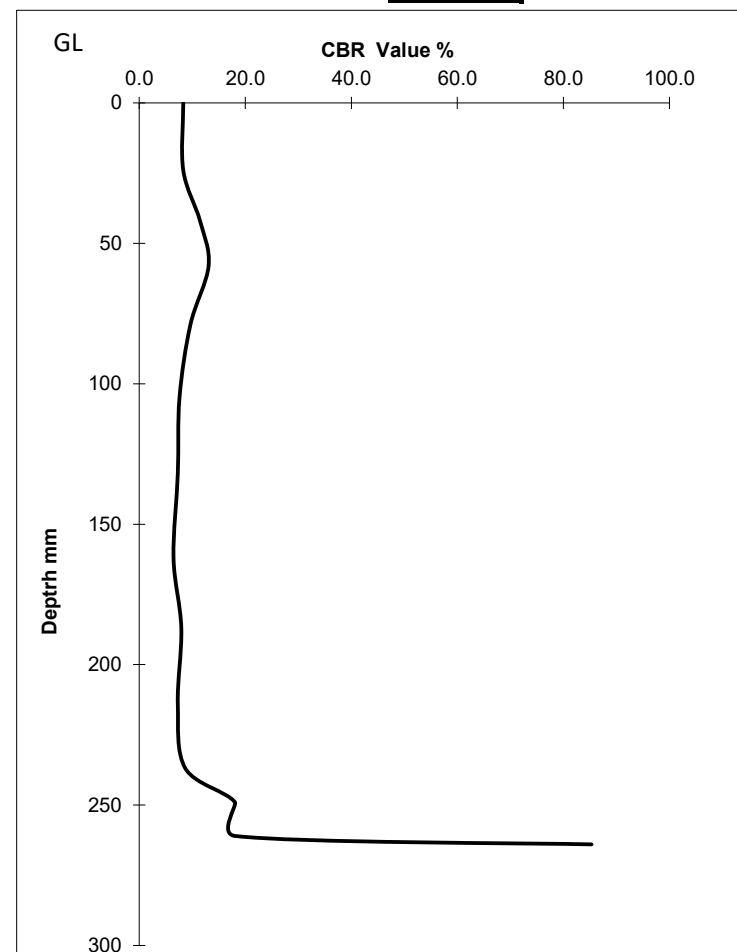


**SOUTH WALES
GROUND TESTING**

South Wales Ground Testing - In situ CBR by DCP Probe

CBR Value %	mm per blow	Reading on Scale (mm)	Depth From GL (mm)	CBR Value %	mm per blow	Reading on Scale (mm)	Depth From GL (mm)
8.3			0				
8.3	24	52	24				
11.5	18	70	42				
13.1	16	86	58				
9.6	21	107	79				
7.6	26	133	105				
7.3	27	160	132				
6.5	30	190	162				
7.9	25	215	187				
7.3	27	242	214				
8.7	23	265	237				
18.1	12	277	249				
18.1	12	289	261				
85.3	3	292	264				

Remarks: Tests commenced from ground level
 Zero reading = start depth below ground surface
 Reading on scale GL 28 (mm)
 Zero Reading test start 30 (mm)



CBR derivation after Webster et al, 1992

Remarks: After Transport Research Laboratory 2004

Impenetrable at 292mm

Project: Bishop Headley School

Date: 27.05.26

Reference: TRL 22

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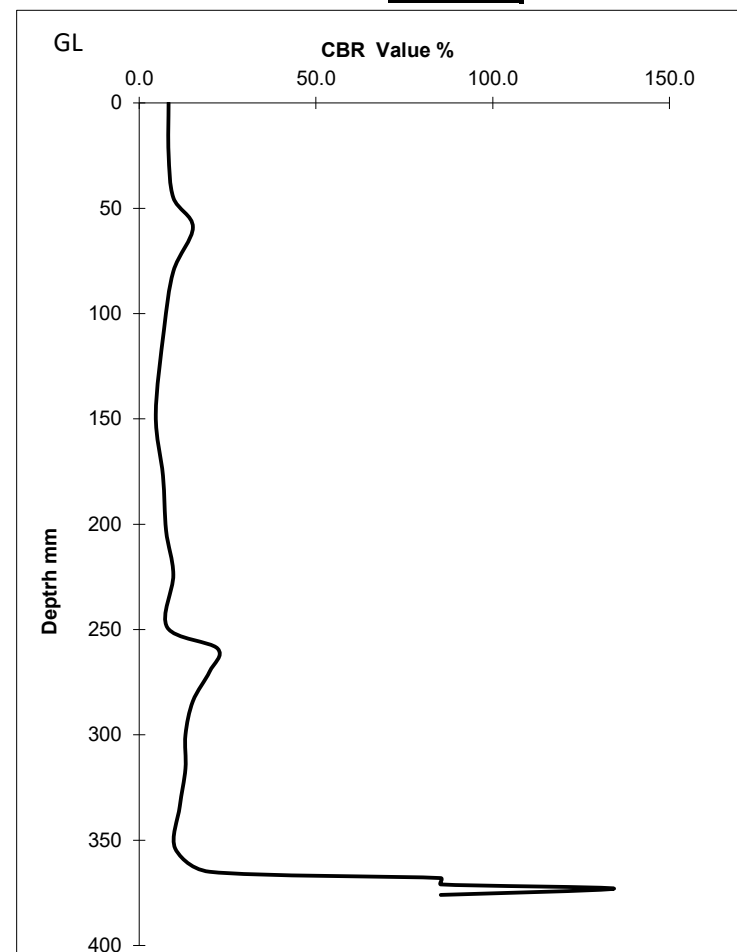


**SOUTH WALES
GROUND TESTING**

South Wales Ground Testing - In situ CBR by DCP Probe

CBR Value %	mm per blow	Reading on Scale (mm)	Depth From GL (mm)	CBR Value %	mm per blow	Reading on Scale (mm)	Depth From GL (mm)
8.3			0				
8.3	24	52	24				
9.6	21	73	45				
15.2	14	87	59				
9.6	21	108	80				
7.0	28	136	108				
4.7	40	176	148				
6.7	29	205	177				
7.6	26	231	203				
9.6	21	252	224				
7.9	25	277	249				
22.2	10	287	259				
19.9	11	298	270				
15.2	14	312	284				
13.1	16	328	300				
13.1	16	344	316				
11.5	18	362	334				
10.2	20	382	354				
19.9	11	393	365				
85.3	3	396	368				
85.3	3	399	371				
134.3	2	401	373				
85.3	3	404	376				

Remarks: Tests commenced from ground level
 Zero reading = start depth below ground surface
 Reading on scale GL 28 (mm)
 Zero Reading test start 30 (mm)



CBR derivation after Webster et al, 1992

Remarks: After Transport Research Laboratory 2004

Impenetrable at 404mm

Project: Bishop Headley School

Date: 27.05.26

Reference: TRL 23

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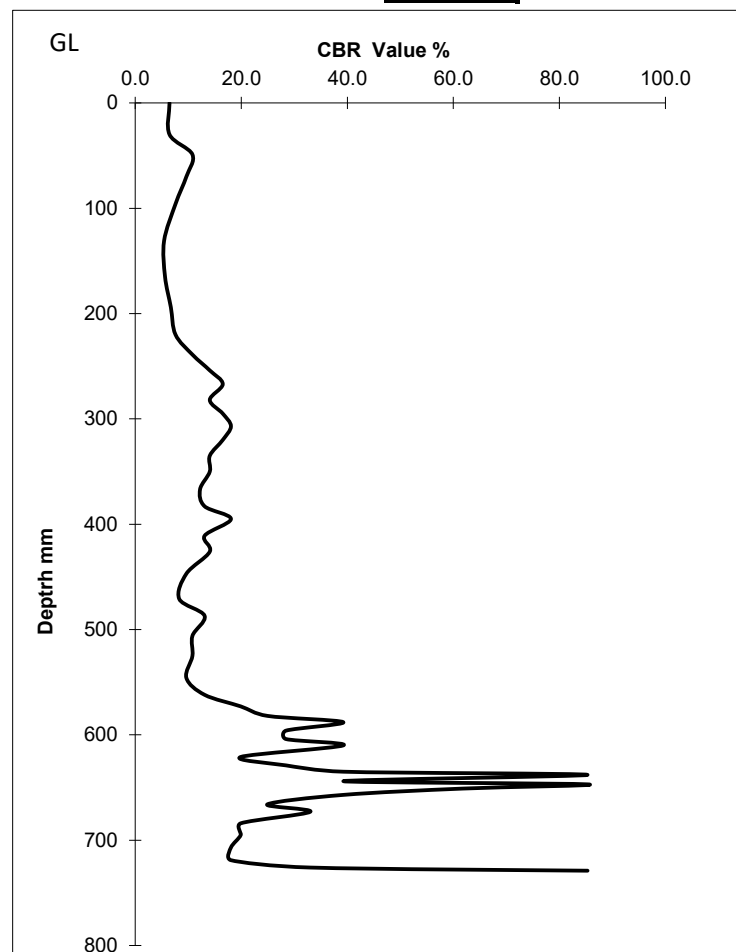


**SOUTH WALES
GROUND TESTING**

South Wales Ground Testing - In situ CBR by DCP Probe

CBR Value %	mm per blow	Reading on Scale (mm)	Depth From GL (mm)	CBR Value %	mm per blow	Reading on Scale (mm)	Depth From GL (mm)
6.5			0				
6.5	30	58	30				
10.8	19	77	49	33.0	7	701	673
9.6	21	98	70	19.9	11	712	684
7.6	26	124	96	19.9	11	723	695
5.4	35	159	131	18.1	12	735	707
5.6	34	193	165	18.1	12	747	719
6.7	29	222	194	33.0	7	754	726
7.6	26	248	220	85.3	3	757	729
10.8	19	267	239				
14.1	15	282	254				
16.5	13	295	267				
14.1	15	310	282				
16.5	13	323	295				
18.1	12	335	307				
16.5	13	348	320				
14.1	15	363	335				
14.1	15	378	350				
12.2	17	395	367				
13.1	16	411	383				
18.1	12	423	395				
13.1	16	439	411				
14.1	15	454	426				
9.6	21	475	447				
8.3	24	499	471				
13.1	16	515	487				
10.8	19	534	506				
10.8	19	553	525				
9.6	21	574	546				
13.1	16	590	562				
19.9	11	601	573				
24.9	9	610	582				
39.3	6	616	588				
28.4	8	624	596				
28.4	8	632	604				
39.3	6	638	610				
19.9	11	649	621				
28.4	8	657	629				
39.3	6	663	635				
85.3	3	666	638				
39.3	6	672	644				
85.3	3	675	647				
61.8	4	679	651				
39.3	6	685	657				
24.9	9	694	666				

Remarks: Tests commenced from ground level
 Zero reading = start depth below ground surface
 Reading on scale GL 28 (mm)
 Zero Reading test start 29 (mm)



CBR derivation after Webster et al, 1992

Remarks: After Transport Research Laboratory 2004

Impenetrable at 757mm

Project: Bishop Headley School

Date: 27.05.26

Reference: TRL 24

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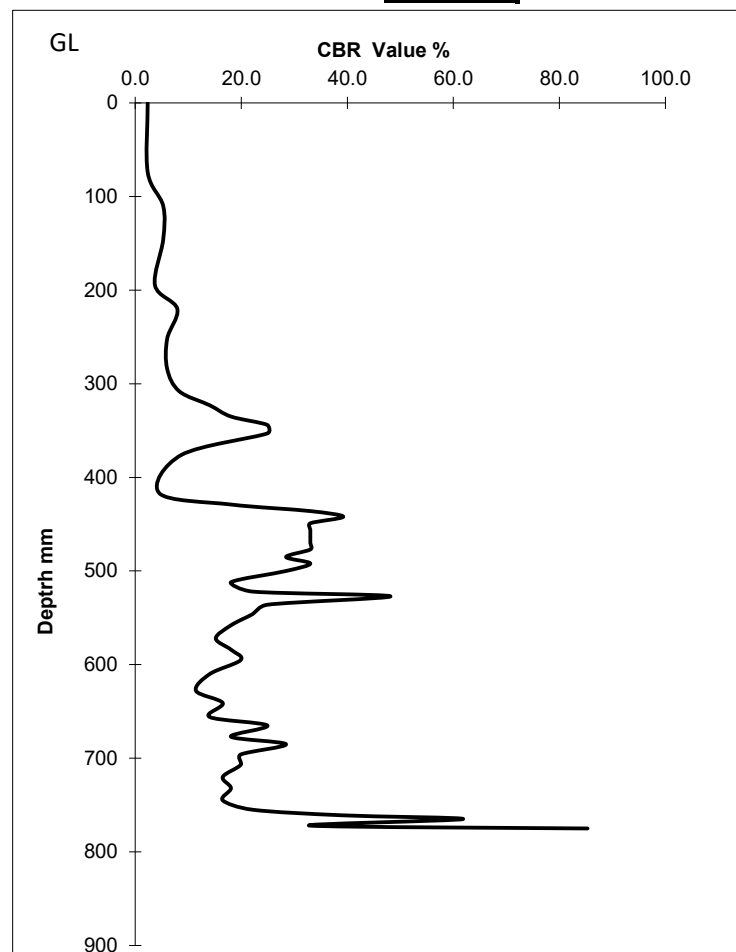


**SOUTH WALES
GROUND TESTING**

South Wales Ground Testing - In situ CBR by DCP Probe

CBR Value %	mm per blow	Reading on Scale (mm)	Depth From GL (mm)	CBR Value %	mm per blow	Reading on Scale (mm)	Depth From GL (mm)
2.4			0				
2.4	74	102	74				
5.3	36	138	110	18.1	12	760	732
5.3	36	174	146	16.5	13	773	745
3.7	49	223	195	22.2	10	783	755
7.9	25	248	220	39.3	6	789	761
6.0	32	280	252	61.8	4	793	765
6.0	32	312	284	33.0	7	800	772
8.3	24	336	308	85.3	3	803	775
14.1	15	351	323				
18.1	12	363	335				
24.9	9	372	344				
24.9	9	381	353				
8.7	23	404	376				
4.6	41	445	417				
18.1	12	457	429				
33.0	7	464	436				
39.3	6	470	442				
33.0	7	477	449				
33.0	7	484	456				
33.0	7	491	463				
33.0	7	498	470				
33.0	7	505	477				
28.4	8	513	485				
33.0	7	520	492				
28.4	8	528	500				
18.1	12	540	512				
22.2	10	550	522				
48.1	5	555	527				
24.9	9	564	536				
22.2	10	574	546				
18.1	12	586	558				
15.2	14	600	572				
18.1	12	612	584				
19.9	11	623	595				
14.1	15	638	610				
11.5	18	656	628				
16.5	13	669	641				
14.1	15	684	656				
24.9	9	693	665				
18.1	12	705	677				
28.4	8	713	685				
19.9	11	724	696				
19.9	11	735	707				
16.5	13	748	720				

Remarks: Tests commenced from ground level
 Zero reading = start depth below ground surface
 Reading on scale GL 28 (mm)
 Zero Reading test start 60 (mm)



CBR derivation after Webster et al, 1992

Remarks: After Transport Research Laboratory 2004

Impenetrable at 803mm

Project: Bishop Headley School

Date: 27.05.26

Reference: TRL 25

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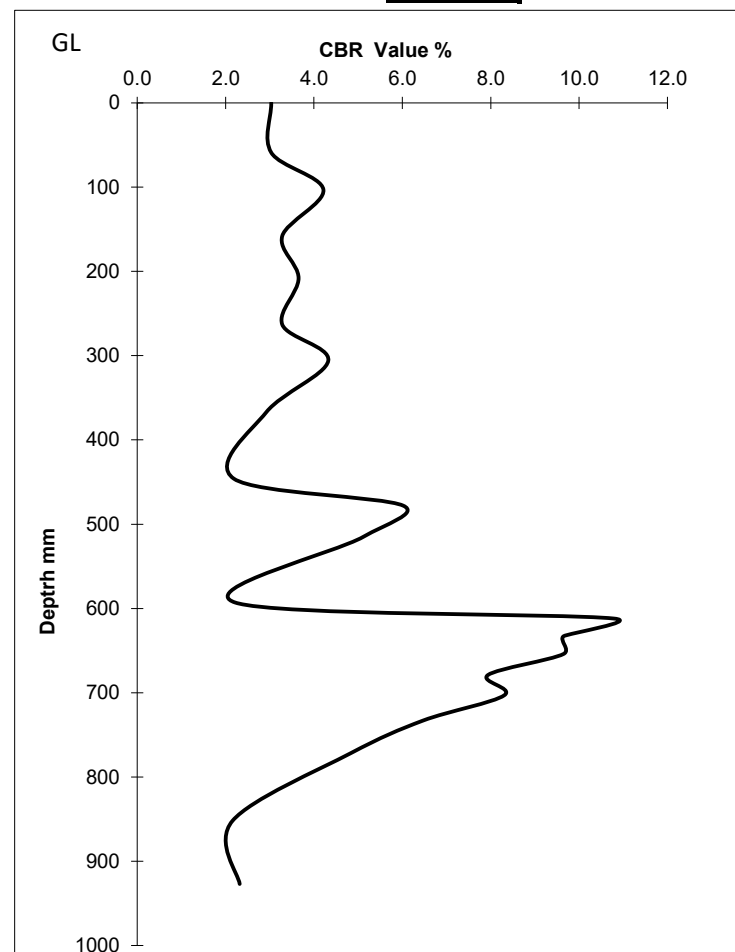


**SOUTH WALES
GROUND TESTING**

South Wales Ground Testing - In situ CBR by DCP Probe

CBR Value %	mm per blow	Reading on Scale (mm)	Depth From GL (mm)	CBR Value %	mm per blow	Reading on Scale (mm)	Depth From GL (mm)
3.0			0				
3.0	59	87	59				
4.2	44	131	103				
3.3	55	186	158				
3.7	50	236	208				
3.3	55	291	263				
4.3	43	334	306				
2.9	61	395	367				
2.2	79	474	446				
6.0	32	506	478				
5.1	37	543	515				
2.2	78	621	593				
10.8	19	640	612				
9.6	21	661	633				
9.6	21	682	654				
7.9	25	707	679				
8.3	24	731	703				
6.5	30	761	733				
4.8	39	800	772				
2.2	80	880	852				
2.3	75	955	927				

Remarks: Tests commenced from ground level
 Zero reading = start depth below ground surface
 Reading on scale GL 28 (mm)
 Zero Reading test start 41 (mm)



CBR derivation after Webster et al, 1992

Remarks: After Transport Research Laboratory 2004

Project: Bishop Headley School

Date: 27.05.26

Reference: TRL 26

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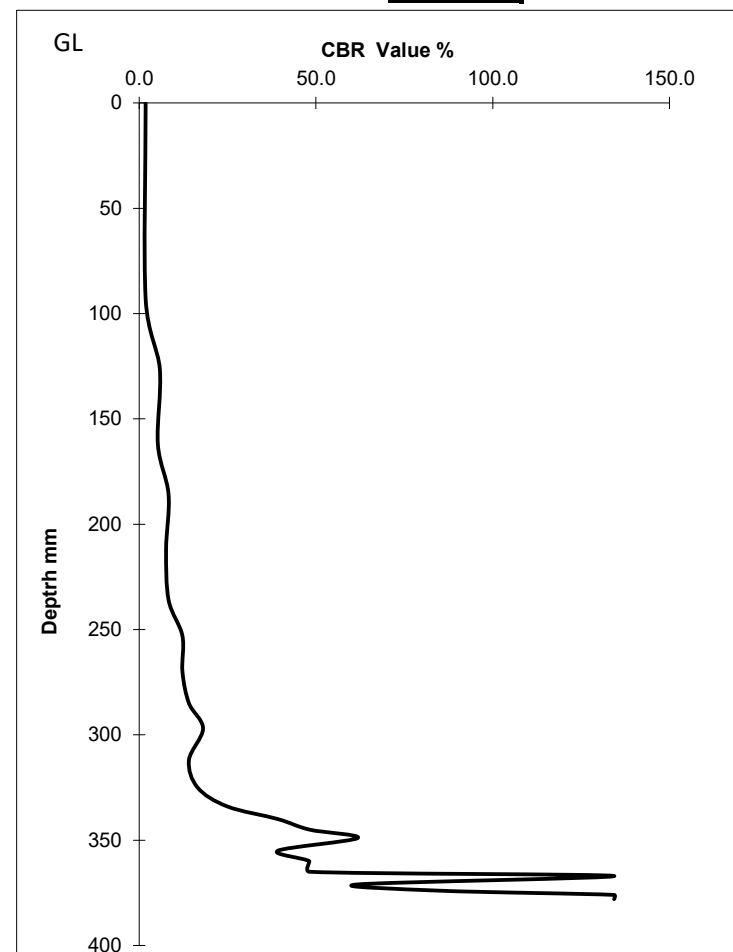


**SOUTH WALES
GROUND TESTING**

South Wales Ground Testing - In situ CBR by DCP Probe

CBR Value %	mm per blow	Reading on Scale (mm)	Depth From GL (mm)	CBR Value %	mm per blow	Reading on Scale (mm)	Depth From GL (mm)
1.8			0				
1.8	93	121	93				
5.8	33	154	126				
5.3	36	190	162				
8.3	24	214	186				
7.6	26	240	212				
8.3	24	264	236				
12.2	17	281	253				
12.2	17	298	270				
14.1	15	313	285				
18.1	12	325	297				
14.1	15	340	312				
16.5	13	353	325				
24.9	9	362	334				
39.3	6	368	340				
48.1	5	373	345				
61.8	4	377	349				
39.3	6	383	355				
48.1	5	388	360				
48.1	5	393	365				
134.3	2	395	367				
61.8	4	399	371				
85.3	3	402	374				
134.3	2	404	376				
134.3	2	406	378				

Remarks: Tests commenced from ground level
 Zero reading = start depth below ground surface
 Reading on scale GL 28 (mm)
 Zero Reading test start 77 (mm)



CBR derivation after Webster et al, 1992

Remarks: After Transport Research Laboratory 2004

Impenetrable at 406mm

Project: Bishop Headley School

Date: 27.05.26

Reference: TRL 27

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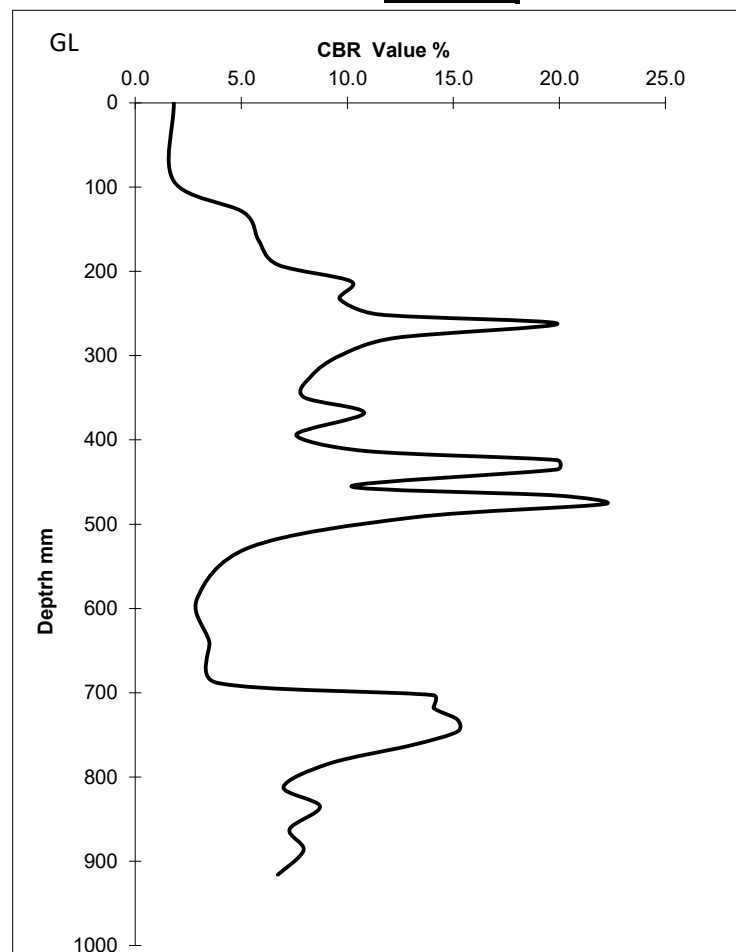


**SOUTH WALES
GROUND TESTING**

South Wales Ground Testing - In situ CBR by DCP Probe

CBR Value %	mm per blow	Reading on Scale (mm)	Depth From GL (mm)	CBR Value %	mm per blow	Reading on Scale (mm)	Depth From GL (mm)
1.8			0				
1.8	93	121	93				
5.1	37	158	130				
5.8	33	191	163				
6.7	29	220	192				
10.2	20	240	212				
9.6	21	261	233				
11.5	18	279	251				
19.9	11	290	262				
12.2	17	307	279				
9.6	21	328	300				
8.3	24	352	324				
7.9	25	377	349				
10.8	19	396	368				
7.6	26	422	394				
10.8	19	441	413				
19.9	11	452	424				
19.9	11	463	435				
10.2	20	483	455				
19.9	11	494	466				
22.2	10	504	476				
13.1	16	520	492				
5.4	35	555	527				
2.9	61	616	588				
3.5	52	668	640				
3.8	48	716	688				
14.1	15	731	703				
14.1	15	746	718				
15.2	14	760	732				
15.2	14	774	746				
13.1	16	790	762				
9.2	22	812	784				
7.0	28	840	812				
8.7	23	863	835				
7.3	27	890	862				
7.9	25	915	887				
6.7	29	944	916				

Remarks: Tests commenced from ground level
 Zero reading = start depth below ground surface
 Reading on scale GL 28 (mm)
 Zero Reading test start 77 (mm)



CBR derivation after Webster et al, 1992

Remarks: After Transport Research Laboratory 2004

Project: Bishop Headley School

Date: 27.05.26

Reference: TRL 28

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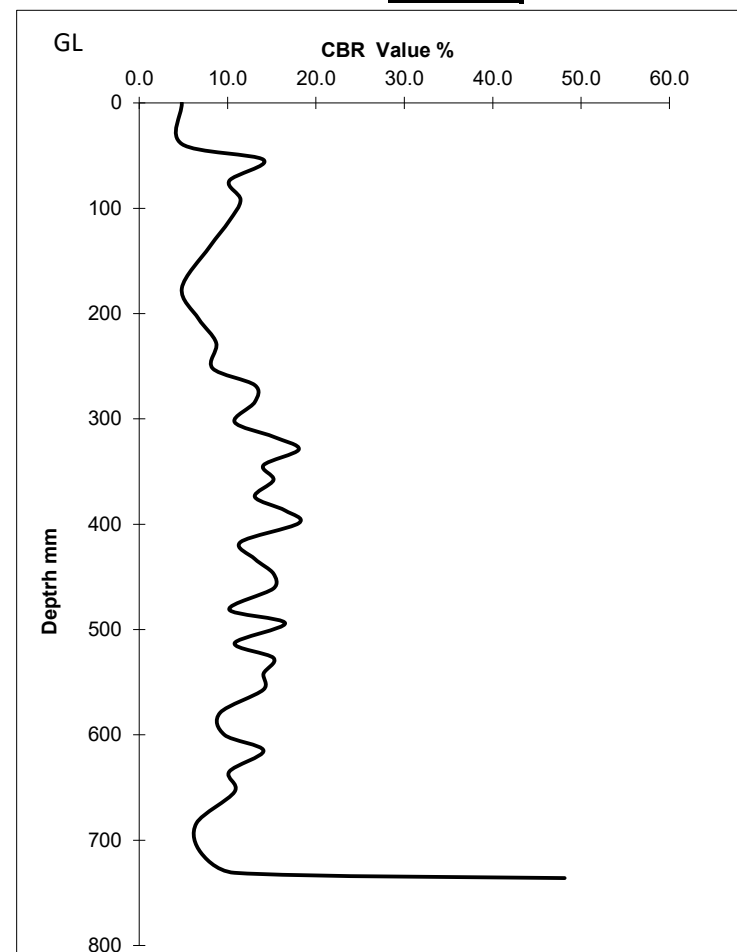


**SOUTH WALES
GROUND TESTING**

South Wales Ground Testing - In situ CBR by DCP Probe

CBR Value %	mm per blow	Reading on Scale (mm)	Depth From GL (mm)	CBR Value %	mm per blow	Reading on Scale (mm)	Depth From GL (mm)
4.8			0				
4.8	39	67	39				
14.1	15	82	54				
10.2	20	102	74				
11.5	18	120	92				
10.2	20	140	112				
7.9	25	165	137				
4.8	39	204	176				
6.7	29	233	205				
8.7	23	256	228				
8.3	24	280	252				
13.1	16	296	268				
13.1	16	312	284				
10.8	19	331	303				
15.2	14	345	317				
18.1	12	357	329				
14.1	15	372	344				
15.2	14	386	358				
13.1	16	402	374				
16.5	13	415	387				
18.1	12	427	399				
11.5	18	445	417				
13.1	16	461	433				
15.2	14	475	447				
15.2	14	489	461				
10.2	20	509	481				
16.5	13	522	494				
10.8	19	541	513				
15.2	14	555	527				
14.1	15	570	542				
14.1	15	585	557				
9.2	22	607	579				
9.6	21	628	600				
14.1	15	643	615				
10.2	20	663	635				
10.8	19	682	654				
6.5	30	712	684				
7.0	28	740	712				
10.8	19	759	731				
48.1	5	764	736				

Remarks: Tests commenced from ground level
 Zero reading = start depth below ground surface
 Reading on scale GL 28 (mm)
 Zero Reading test start 38 (mm)



CBR derivation after Webster et al, 1992

Remarks: After Transport Research Laboratory 2004

Impenetrable at 764mm

Project: Bishop Headley School

Date: 27.05.26

Reference: TRL 29

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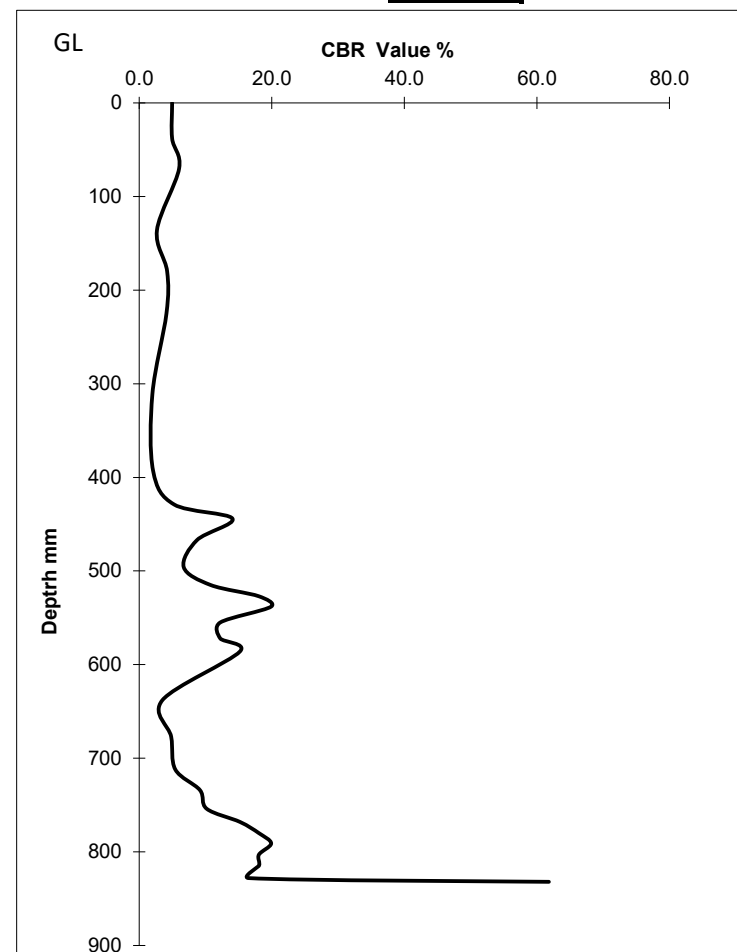


**SOUTH WALES
GROUND TESTING**

South Wales Ground Testing - In situ CBR by DCP Probe

CBR Value %	mm per blow	Reading on Scale (mm)	Depth From GL (mm)	CBR Value %	mm per blow	Reading on Scale (mm)	Depth From GL (mm)
5.0			0				
5.0	38	66	38				
6.0	32	98	70				
2.7	66	164	136				
4.2	44	208	180				
4.1	45	253	225				
2.0	86	339	311				
2.1	82	421	393				
5.3	36	457	429				
14.1	15	472	444				
8.7	23	495	467				
6.7	29	524	496				
10.8	19	543	515				
18.1	12	555	527				
19.9	11	566	538				
12.2	17	583	555				
12.2	17	600	572				
15.2	14	614	586				
3.5	52	666	638				
4.8	39	705	677				
5.4	35	740	712				
9.2	22	762	734				
10.2	20	782	754				
15.2	14	796	768				
18.1	12	808	780				
19.9	11	819	791				
18.1	12	831	803				
18.1	12	843	815				
16.5	13	856	828				
61.8	4	860	832				

Remarks: Tests commenced from ground level
 Zero reading = start depth below ground surface
 Reading on scale GL 28 (mm)
 Zero Reading test start 32 (mm)



CBR derivation after Webster et al, 1992

Remarks: After Transport Research Laboratory 2004

Impenetrable at 860mm

Project: Bishop Headley School

Date: 27.05.26

Reference: TRL 30

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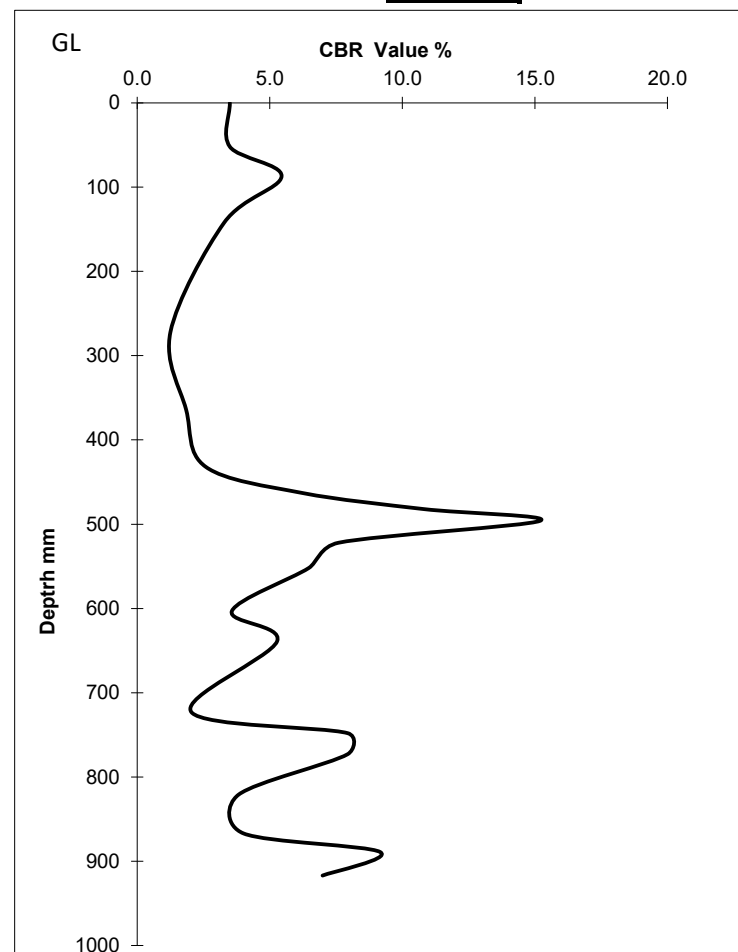


**SOUTH WALES
GROUND TESTING**

South Wales Ground Testing - In situ CBR by DCP Probe

CBR Value %	mm per blow	Reading on Scale (mm)	Depth From GL (mm)	CBR Value %	mm per blow	Reading on Scale (mm)	Depth From GL (mm)
3.5			0				
3.5	52	80	52				
5.4	35	115	87				
3.3	55	170	142				
1.3	130	300	272				
1.8	92	392	364				
2.6	68	460	432				
6.2	31	491	463				
10.8	19	510	482				
15.2	14	524	496				
7.6	26	550	522				
6.5	30	580	552				
3.6	51	631	603				
5.3	36	667	639				
2.0	84	751	723				
7.9	25	776	748				
7.9	25	801	773				
3.8	48	849	821				
4.0	46	895	867				
9.2	22	917	889				
7.0	28	945	917				

Remarks: Tests commenced from ground level
 Zero reading = start depth below ground surface
 Reading on scale GL 28 (mm)
 Zero Reading test start 47 (mm)



CBR derivation after Webster et al, 1992

Remarks: After Transport Research Laboratory 2004

Project: Bishop Headley School

Date: 27.05.26

Reference: TRL 31

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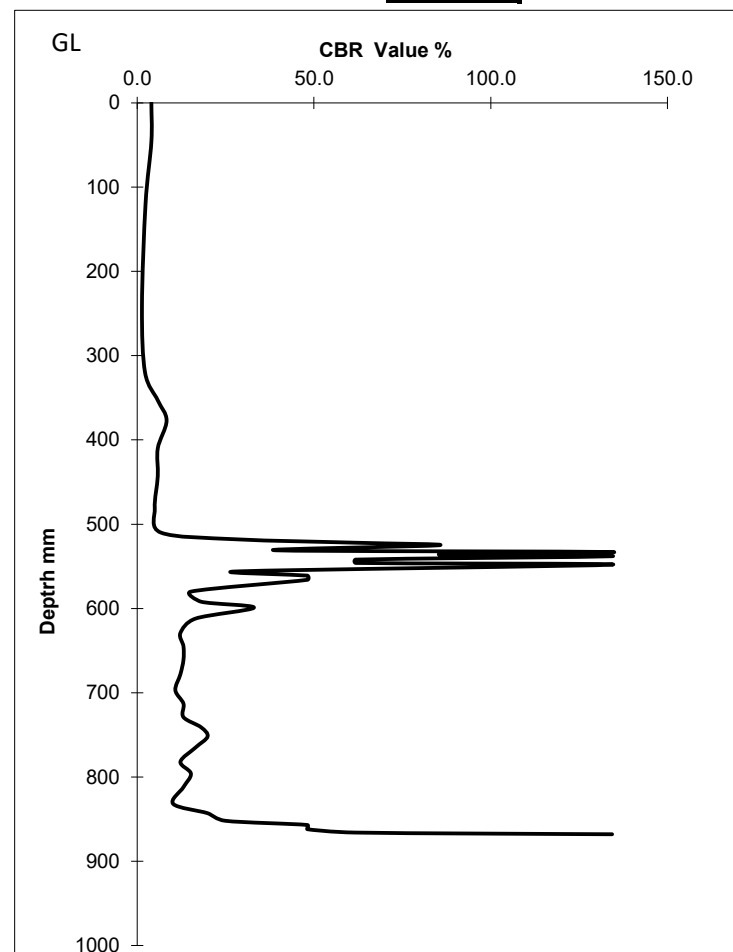


**SOUTH WALES
GROUND TESTING**

South Wales Ground Testing - In situ CBR by DCP Probe

CBR Value %	mm per blow	Reading on Scale (mm)	Depth From GL (mm)	CBR Value %	mm per blow	Reading on Scale (mm)	Depth From GL (mm)
4.0			0				
4.0	46	74	46				
2.4	74	148	120	48.1	5	890	862
1.3	122	270	242	61.8	4	894	866
2.2	78	348	320	134.3	2	896	868
5.8	33	381	353				
8.3	24	405	377				
5.8	33	438	410				
5.8	33	471	443				
5.0	38	509	481				
6.7	29	538	510				
28.4	8	546	518				
61.8	4	550	522				
85.3	3	553	525				
39.3	6	559	531				
134.3	2	561	533				
85.3	3	564	536				
134.3	2	566	538				
61.8	4	570	542				
61.8	4	574	546				
134.3	2	576	548				
28.4	8	584	556				
48.1	5	589	561				
48.1	5	594	566				
15.2	14	608	580				
18.1	12	620	592				
33.0	7	627	599				
16.5	13	640	612				
12.2	17	657	629				
13.1	16	673	645				
13.1	16	689	661				
12.2	17	706	678				
10.8	19	725	697				
13.1	16	741	713				
13.1	16	757	729				
18.1	12	769	741				
19.9	11	780	752				
16.5	13	793	765				
12.2	17	810	782				
15.2	14	824	796				
13.1	16	840	812				
10.2	20	860	832				
19.9	11	871	843				
24.9	9	880	852				
48.1	5	885	857				

Remarks: Tests commenced from ground level
 Zero reading = start depth below ground surface
 Reading on scale GL 28 (mm)
 Zero Reading test start 36 (mm)



CBR derivation after Webster et al, 1992

Remarks: After Transport Research Laboratory 2004

Impenetrable at 896mm

Project: Bishop Headley School

Date: 27.05.26

Reference: TRL 32

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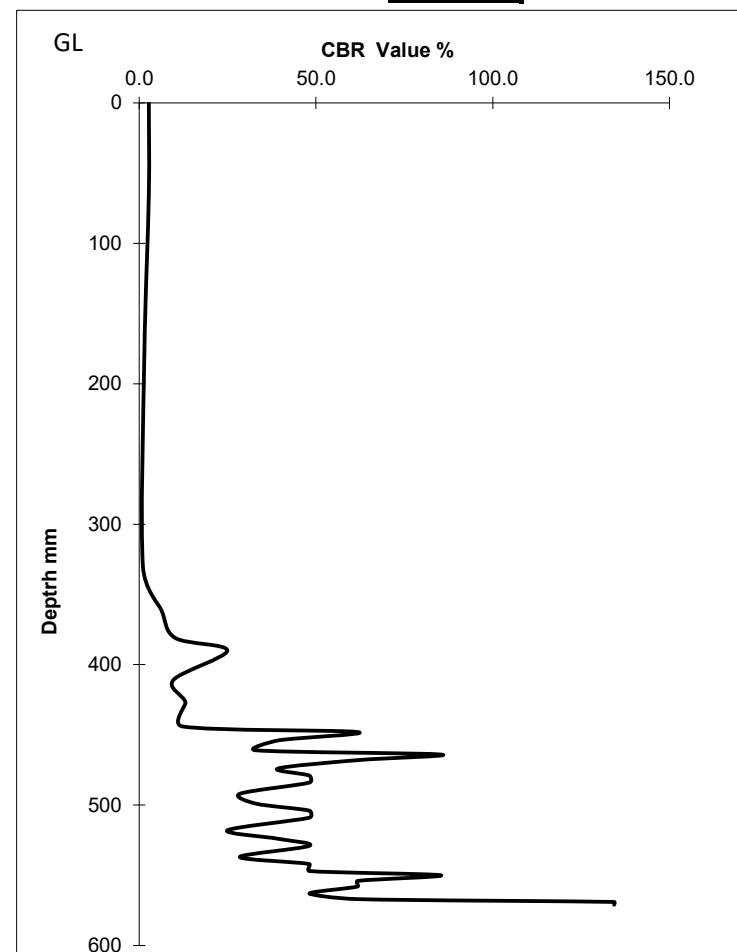


**SOUTH WALES
GROUND TESTING**

South Wales Ground Testing - In situ CBR by DCP Probe

CBR Value %	mm per blow	Reading on Scale (mm)	Depth From GL (mm)	CBR Value %	mm per blow	Reading on Scale (mm)	Depth From GL (mm)
2.7			0				
2.7	65	93	65				
1.5	113	206	178				
1.1	152	358	330				
6.2	31	389	361				
10.2	20	409	381				
24.9	9	418	390				
9.6	21	439	411				
13.1	16	455	427				
12.2	17	472	444				
61.8	4	476	448				
39.3	6	482	454				
33.0	7	489	461				
85.3	3	492	464				
61.8	4	496	468				
39.3	6	502	474				
48.1	5	507	479				
48.1	5	512	484				
28.4	8	520	492				
33.0	7	527	499				
48.1	5	532	504				
48.1	5	537	509				
24.9	9	546	518				
39.3	6	552	524				
48.1	5	557	529				
28.4	8	565	537				
48.1	5	570	542				
48.1	5	575	547				
85.3	3	578	550				
61.8	4	582	554				
61.8	4	586	558				
48.1	5	591	563				
61.8	4	595	567				
134.3	2	597	569				
134.3	2	599	571				

Remarks: Tests commenced from ground level
 Zero reading = start depth below ground surface
 Reading on scale GL 28 (mm)
 Zero Reading test start 42 (mm)



CBR derivation after Webster et al, 1992

Remarks: After Transport Research Laboratory 2004

Impenetrable at 599mm

Project: Bishop Headley School

Date: 27.05.26

Reference: TRL 33

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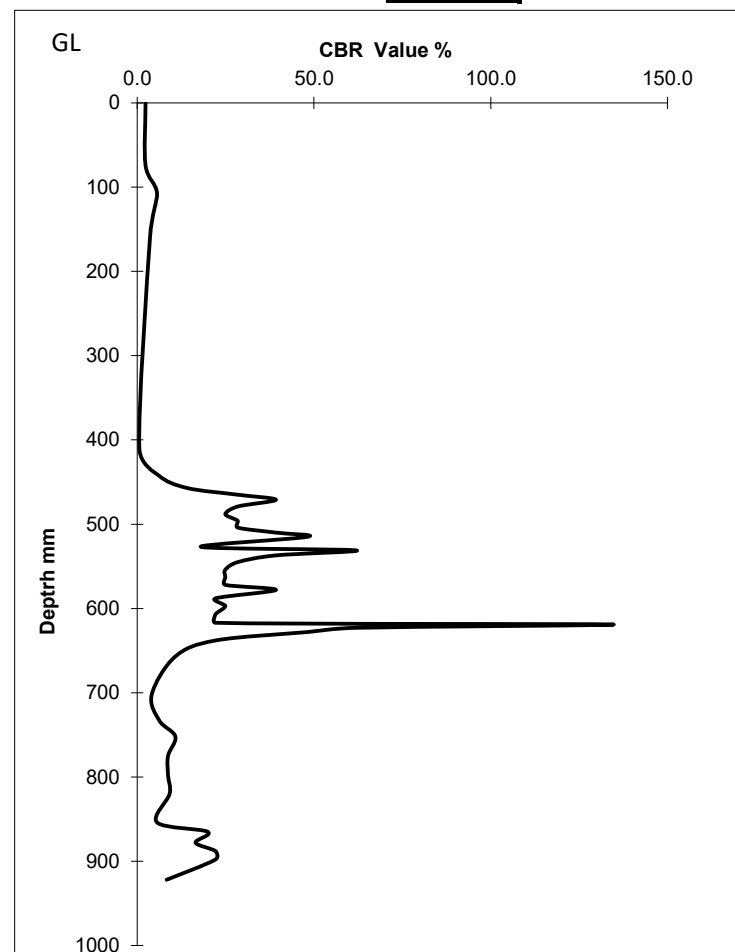


**SOUTH WALES
GROUND TESTING**

South Wales Ground Testing - In situ CBR by DCP Probe

CBR Value %	mm per blow	Reading on Scale (mm)	Depth From GL (mm)	CBR Value %	mm per blow	Reading on Scale (mm)	Depth From GL (mm)
2.4			0				
2.4	74	102	74				
5.6	34	136	108				
3.7	50	186	158				
0.6	252	438	410				
6.0	32	470	442				
14.1	15	485	457				
28.4	8	493	465				
39.3	6	499	471				
28.4	8	507	479				
24.9	9	516	488				
28.4	8	524	496				
28.4	8	532	504				
39.3	6	538	510				
48.1	5	543	515				
18.1	12	555	527				
61.8	4	559	531				
39.3	6	565	537				
28.4	8	573	545				
24.9	9	582	554				
24.9	9	591	563				
24.9	9	600	572				
39.3	6	606	578				
22.2	10	616	588				
24.9	9	625	597				
22.2	10	635	607				
22.2	10	645	617				
134.3	2	647	619				
61.8	4	651	623				
48.1	5	656	628				
22.2	10	666	638				
10.8	19	685	657				
4.1	45	730	702				
6.2	31	761	733				
10.8	19	780	752				
8.7	23	803	775				
8.7	23	826	798				
9.2	22	848	820				
5.6	34	882	854				
19.9	11	893	865				
16.5	13	906	878				
22.2	10	916	888				
22.2	10	926	898				
8.3	24	950	922				

Remarks: Tests commenced from ground level
 Zero reading = start depth below ground surface
 Reading on scale GL 28 (mm)
 Zero Reading test start 52 (mm)



CBR derivation after Webster et al, 1992

Remarks: After Transport Research Laboratory 2004

Date: 27.05.26

Reference: TRL 34

Project: Bishop Headley School

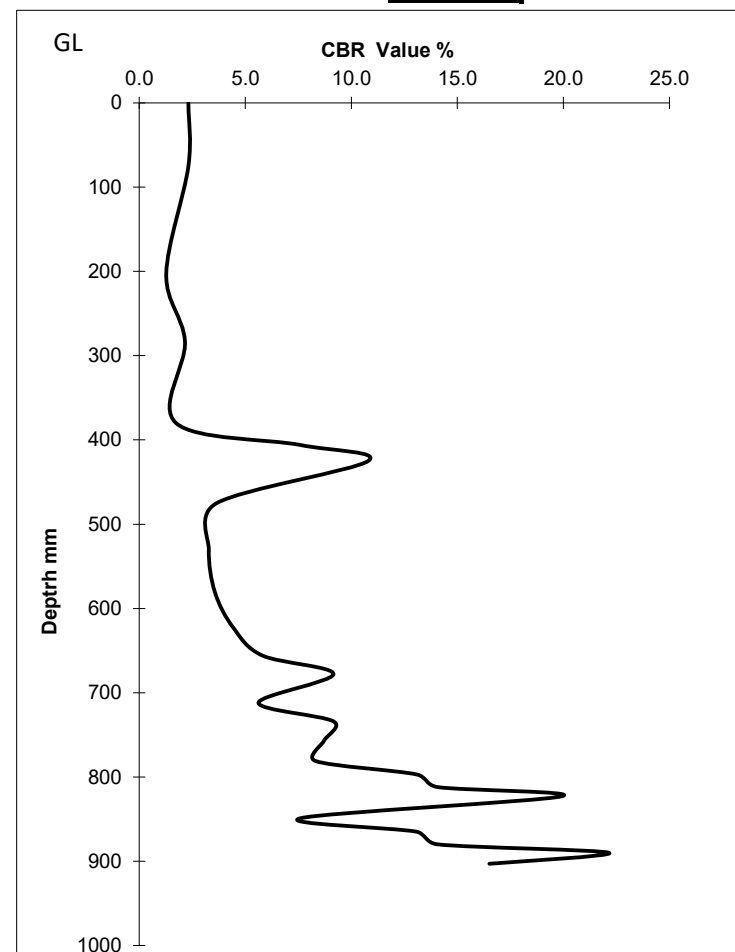
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South Wales Ground Testing - In situ CBR by DCP Probe

CBR Value %	mm per blow	Reading on Scale (mm)	Depth From GL (mm)	CBR Value %	mm per blow	Reading on Scale (mm)	Depth From GL (mm)
2.3			0				
2.3	75	103	75				
1.3	128	231	203				
2.2	80	311	283				
1.7	97	408	380				
7.6	26	434	406				
10.8	19	453	425				
3.7	50	503	475				
3.3	55	558	530				
3.6	51	609	581				
4.4	42	651	623				
5.8	33	684	656				
9.2	22	706	678				
5.6	34	740	712				
9.2	22	762	734				
8.7	23	785	757				
8.3	24	809	781				
13.1	16	825	797				
14.1	15	840	812				
19.9	11	851	823				
7.6	26	877	849				
13.1	16	893	865				
14.1	15	908	880				
22.2	10	918	890				
16.5	13	931	903				

Remarks: Tests commenced from ground level
 Zero reading = start depth below ground surface
 Reading on scale GL 28 (mm)
 Zero Reading test start 35 (mm)



CBR derivation after Webster et al, 1992

Remarks: After Transport Research Laboratory 2004

Date: 27.05.26

Reference: TRL 35

Project: Bishop Headley School

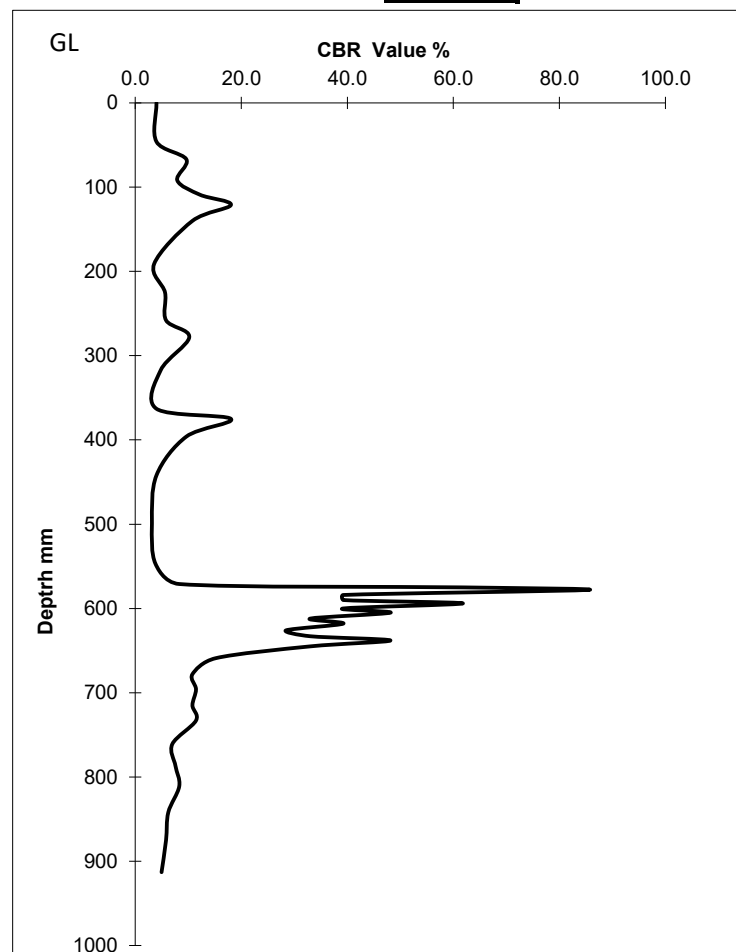
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South Wales Ground Testing - In situ CBR by DCP Probe

CBR Value %	mm per blow	Reading on Scale (mm)	Depth From GL (mm)	CBR Value %	mm per blow	Reading on Scale (mm)	Depth From GL (mm)
4.0			0				
4.0	46	74	46				
9.6	21	95	67				
7.9	25	120	92				
12.2	17	137	109				
18.1	12	149	121				
10.8	19	168	140				
3.6	51	219	191				
5.6	34	253	225				
5.8	33	286	258				
10.2	20	306	278				
4.8	39	345	317				
4.0	46	391	363				
18.1	12	403	375				
9.6	21	424	396				
4.0	46	470	442				
3.2	57	527	499				
3.8	48	575	547				
8.3	24	599	571				
61.8	4	603	575				
85.3	3	606	578				
39.3	6	612	584				
39.3	6	618	590				
61.8	4	622	594				
39.3	6	628	600				
48.1	5	633	605				
33.0	7	640	612				
39.3	6	646	618				
28.4	8	654	626				
33.0	7	661	633				
48.1	5	666	638				
33.0	7	673	645				
15.2	14	687	659				
10.8	19	706	678				
11.5	18	724	696				
10.8	19	743	715				
11.5	18	761	733				
7.0	28	789	761				
7.6	26	815	787				
8.3	24	839	811				
6.2	31	870	842				
5.8	33	903	875				
5.0	38	941	913				

Remarks: Tests commenced from ground level
 Zero reading = start depth below ground surface
 Reading on scale GL 28 (mm)
 Zero Reading test start 36 (mm)



CBR derivation after Webster et al, 1992

Remarks: After Transport Research Laboratory 2004

Date: 27.05.26

Reference: TRL 36

Project: Bishop Headley School

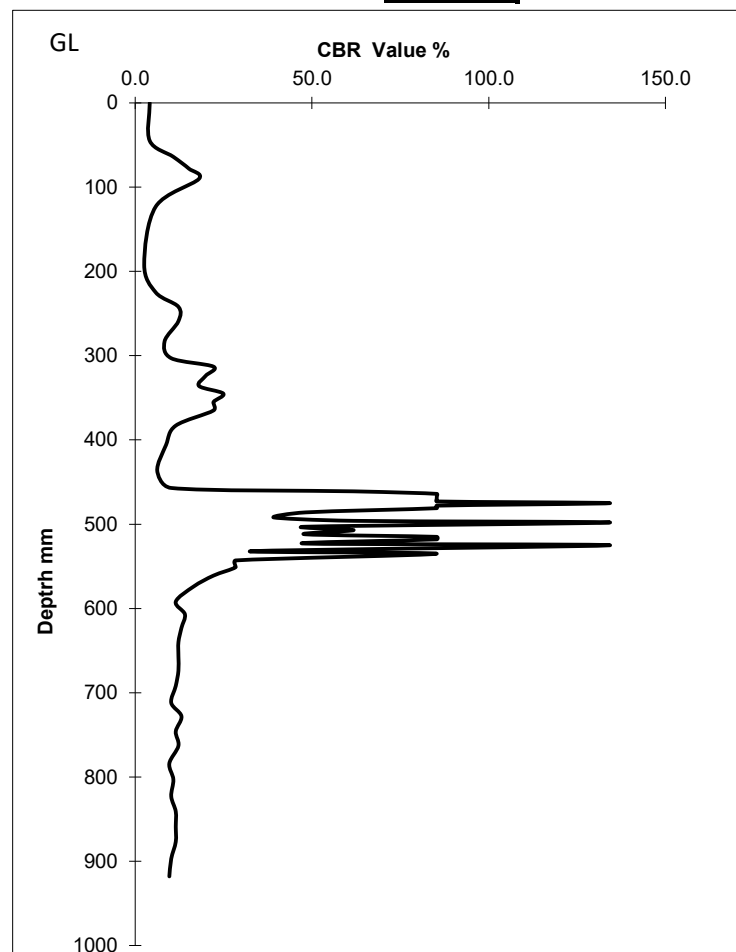
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South Wales Ground Testing - In situ CBR by DCP Probe

CBR Value %	mm per blow	Reading on Scale (mm)	Depth From GL (mm)	CBR Value %	mm per blow	Reading on Scale (mm)	Depth From GL (mm)
4.1			0				
4.1	45	73	45				
10.8	19	92	64	22.2	10	589	561
15.2	14	106	78	16.5	13	602	574
18.1	12	118	90	11.5	18	620	592
5.8	33	151	123	14.1	15	635	607
2.5	69	220	192	13.1	16	651	623
5.8	33	253	225	12.2	17	668	640
12.2	17	270	242	12.2	17	685	657
12.2	17	287	259	12.2	17	702	674
8.3	24	311	283	11.5	18	720	692
10.2	20	331	303	10.2	20	740	712
22.2	10	341	313	13.1	16	756	728
19.9	11	352	324	11.5	18	774	746
18.1	12	364	336	12.2	17	791	763
24.9	9	373	345	9.6	21	812	784
22.2	10	383	355	10.8	19	831	803
22.2	10	393	365	10.2	20	851	823
11.5	18	411	383	11.5	18	869	841
8.7	23	434	406	11.5	18	887	859
6.2	31	465	437	11.5	18	905	877
10.2	20	485	457	10.2	20	925	897
61.8	4	489	461	9.6	21	946	918
85.3	3	492	464				
85.3	3	495	467				
85.3	3	498	470				
85.3	3	501	473				
134.3	2	503	475				
85.3	3	506	478				
85.3	3	509	481				
48.1	5	514	486				
39.3	6	520	492				
61.8	4	524	496				
134.3	2	526	498				
48.1	5	531	503				
61.8	4	535	507				
48.1	5	540	512				
85.3	3	543	515				
85.3	3	546	518				
48.1	5	551	523				
134.3	2	553	525				
33.0	7	560	532				
85.3	3	563	535				
28.4	8	571	543				
28.4	8	579	551				

Remarks: Tests commenced from ground level
 Zero reading = start depth below ground surface
 Reading on scale GL 28 (mm)
 Zero Reading test start 40 (mm)



CBR derivation after Webster et al, 1992

Remarks: After Transport Research Laboratory 2004

Date: 27.05.26

Reference: TRL 37

Project: Bishop Headley School

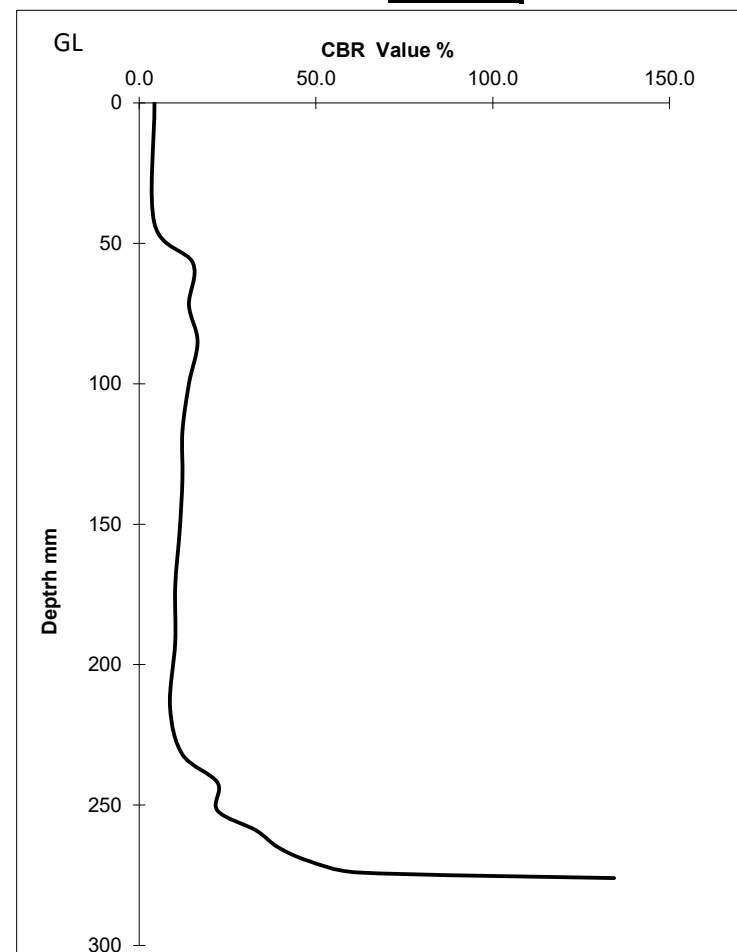
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South Wales Ground Testing - In situ CBR by DCP Probe

CBR Value %	mm per blow	Reading on Scale (mm)	Depth From GL (mm)	CBR Value %	mm per blow	Reading on Scale (mm)	Depth From GL (mm)
4.3			0				
4.3	43	71	43				
15.2	14	85	57				
14.1	15	100	72				
16.5	13	113	85				
14.1	15	128	100				
12.2	17	145	117				
12.2	17	162	134				
11.5	18	180	152				
10.2	20	200	172				
10.2	20	220	192				
8.7	23	243	215				
12.2	17	260	232				
22.2	10	270	242				
22.2	10	280	252				
33.0	7	287	259				
39.3	6	293	265				
48.1	5	298	270				
61.8	4	302	274				
134.3	2	304	276				

Remarks: Tests commenced from ground level
 Zero reading = start depth below ground surface
 Reading on scale GL 28 (mm)
 Zero Reading test start 53 (mm)



CBR derivation after Webster et al, 1992

Remarks: After Transport Research Laboratory 2004

Impenetrable at 304mm

Project: Bishop Headley School

Date: 27.05.26

Reference: TRL 39

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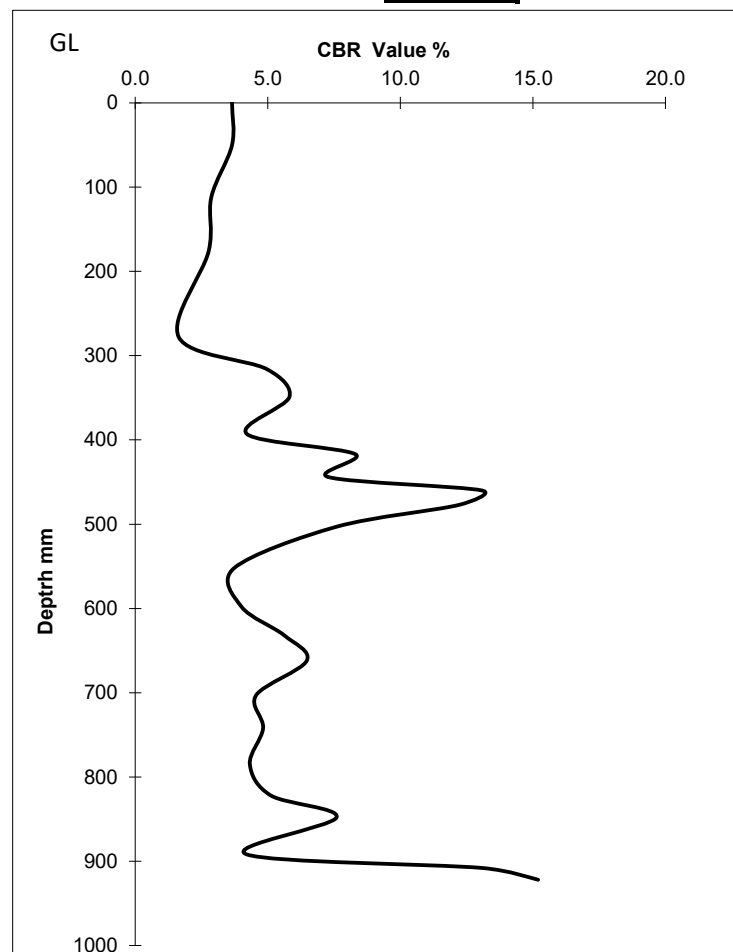


**SOUTH WALES
GROUND TESTING**

South Wales Ground Testing - In situ CBR by DCP Probe

CBR Value %	mm per blow	Reading on Scale (mm)	Depth From GL (mm)	CBR Value %	mm per blow	Reading on Scale (mm)	Depth From GL (mm)
3.7			0				
3.7	50	78	50				
2.9	62	140	112				
2.8	64	204	176				
1.6	102	306	278				
5.0	38	344	316				
5.8	33	377	349				
4.2	44	421	393				
8.3	24	445	417				
7.3	27	472	444				
13.1	16	488	460				
12.2	17	505	477				
7.6	26	531	503				
3.7	49	580	552				
4.0	46	626	598				
5.6	34	660	632				
6.5	30	690	662				
4.6	41	731	703				
4.8	39	770	742				
4.3	43	813	785				
5.1	37	850	822				
7.6	26	876	848				
4.2	44	920	892				
13.1	16	936	908				
15.2	14	950	922				

Remarks: Tests commenced from ground level
 Zero reading = start depth below ground surface
 Reading on scale GL 28 (mm)
 Zero Reading test start 46 (mm)



CBR derivation after Webster et al, 1992

Remarks: After Transport Research Laboratory 2004

Date: 27.05.26

Reference: TRL 40

Project: Bishop Headley School

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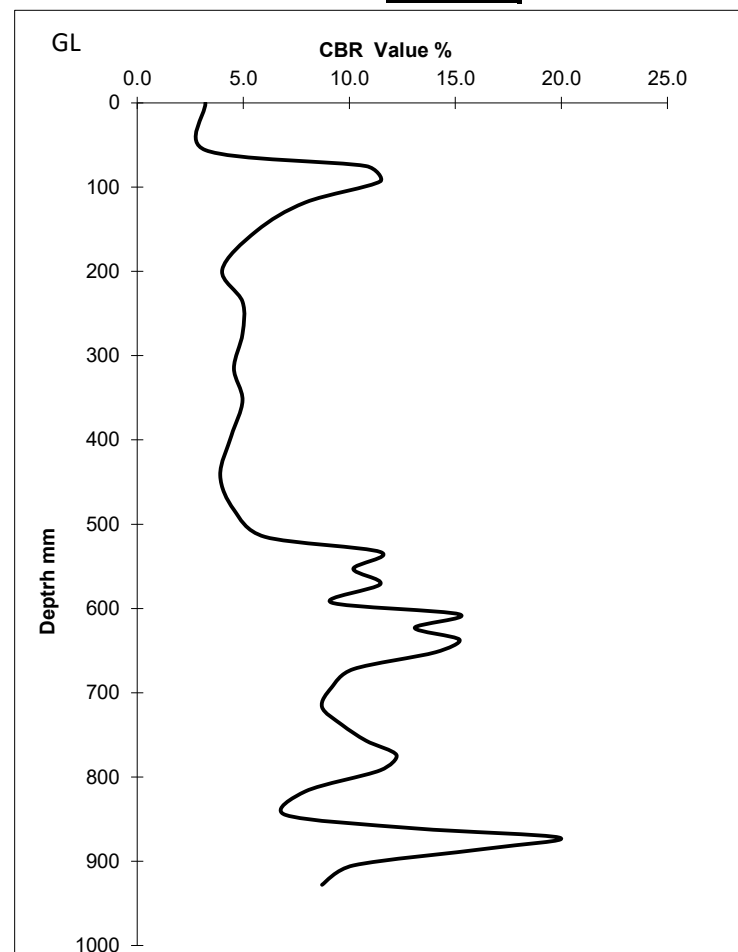


**SOUTH WALES
GROUND TESTING**

South Wales Ground Testing - In situ CBR by DCP Probe

CBR Value %	mm per blow	Reading on Scale (mm)	Depth From GL (mm)	CBR Value %	mm per blow	Reading on Scale (mm)	Depth From GL (mm)
3.2			0				
3.2	56	84	56				
10.8	19	103	75				
11.5	18	121	93				
7.9	25	146	118				
5.6	34	180	152				
4.0	46	226	198				
5.0	38	264	236				
5.0	38	302	274				
4.6	41	343	315				
5.0	38	381	353				
4.4	42	423	395				
3.9	47	470	442				
4.6	41	511	483				
6.0	32	543	515				
11.5	18	561	533				
10.2	20	581	553				
11.5	18	599	571				
9.2	22	621	593				
15.2	14	635	607				
13.1	16	651	623				
15.2	14	665	637				
14.1	15	680	652				
10.2	20	700	672				
9.2	22	722	694				
8.7	23	745	717				
9.6	21	766	738				
10.8	19	785	757				
12.2	17	802	774				
11.5	18	820	792				
7.9	25	845	817				
7.0	28	873	845				
13.1	16	889	861				
19.9	11	900	872				
16.5	13	913	885				
10.2	20	933	905				
8.7	23	956	928				

Remarks: Tests commenced from ground level
 Zero reading = start depth below ground surface
 Reading on scale GL 28 (mm)
 Zero Reading test start 60 (mm)



CBR derivation after Webster et al, 1992

Remarks: After Transport Research Laboratory 2004

Date: 27.05.26

Reference: TRL 41

Project: Bishop Headley School

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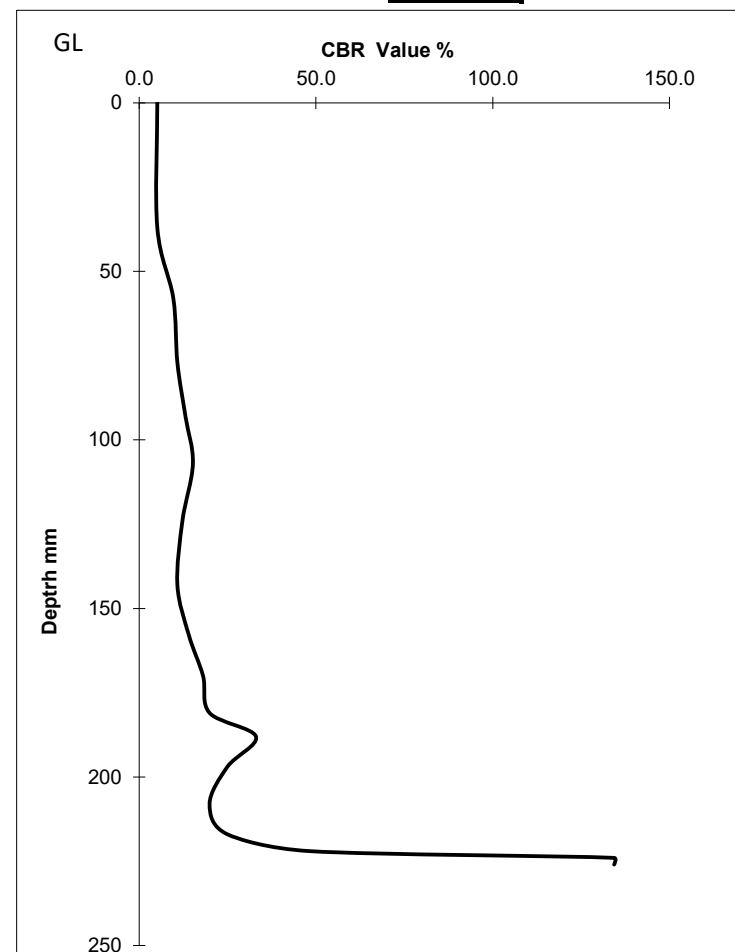


**SOUTH WALES
GROUND TESTING**

South Wales Ground Testing - In situ CBR by DCP Probe

CBR Value %	mm per blow	Reading on Scale (mm)	Depth From GL (mm)	CBR Value %	mm per blow	Reading on Scale (mm)	Depth From GL (mm)
5.1			0				
5.1	37	65	37				
9.6	21	86	58				
10.8	19	105	77				
13.1	16	121	93				
15.2	14	135	107				
12.2	17	152	124				
10.8	19	171	143				
14.1	15	186	158				
18.1	12	198	170				
19.9	11	209	181				
33.0	7	216	188				
24.9	9	225	197				
19.9	11	236	208				
24.9	9	245	217				
48.1	5	250	222				
134.3	2	252	224				
134.3	2	254	226				

Remarks: Tests commenced from ground level
 Zero reading = start depth below ground surface
 Reading on scale GL 28 (mm)
 Zero Reading test start 39 (mm)



CBR derivation after Webster et al, 1992

Remarks: After Transport Research Laboratory 2004

Impenetrable at 254mm

Project: Bishop Headley School

Date: 27.05.26

Reference: TRL 42

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**SOUTH WALES
GROUND TESTING**