



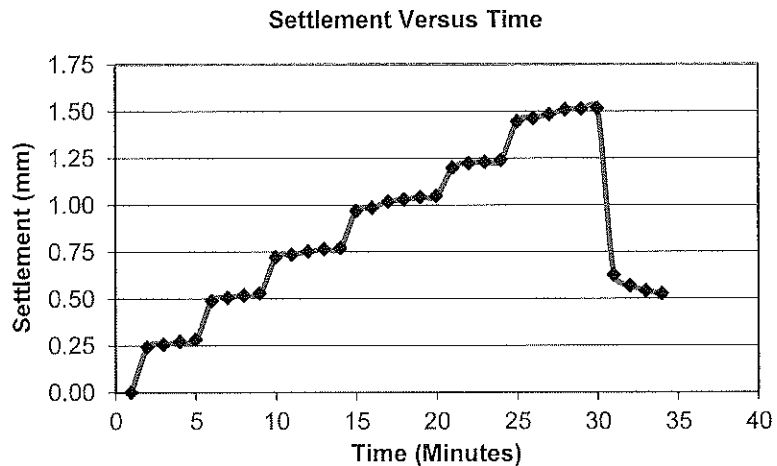
Report on Determination of the Plate Load Test Equivalent C.B.R

Test in Accordance with BS 1377 : PART 9 : 1990 : Incremental Load : DIHM 6.8 Plate Load Test

Site:	ALLINGTON LANE, FAIR OAK	Date Tested:	08/07/2024
Client:	GRACELANDS LTD	Time Tested:	N/R
F.A.O:	LLOYD COXALL	Tested By:	KP+FD
Report Number:	J3009-1	Weather:	OVERCAST
		Air Temperature:	15 °c

Location of Testing:	TEST 1 CH 20	GPS Coordinates:	N/R
Material:	DARK BROWN GRAVELLY SILTY SAND	Layer / Depth:	FORMATION
Supplier / Source:	INSITU		
Reaction Load:	15.8 TONNE 360 EXCAVATOR	Plate Diameter (mm):	454

Settlement (mm)	Pressure (KN/m ²)
0	0
0.28	19
0.53	26
0.77	31
1.05	39
1.24	44
1.52	51
0.53	3



Apparent Modulus of Subgrade Reaction (kN/m ² /mm)	35
(k) Modified for Plate Diameter (k762)	22
Equivalent C.B.R Value (%)	2.1

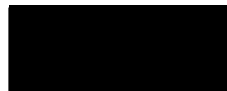
Equivalent CBR calculated to Design Guidance for Road Pavement Foundations, IAN 73/06. Modulus calculated at 1.25mm penetration. If 1.25mm penetration not achieved, modulus calculated at maximum obtained penetration.

Remarks:



0645

Signed:



Date: 09/07/2024

Approved Signatories:

M. Mullane / E. Frost / E. Naval / A. White

Assist Lab Manager / Senior Technician

Sheet: 1 of 1

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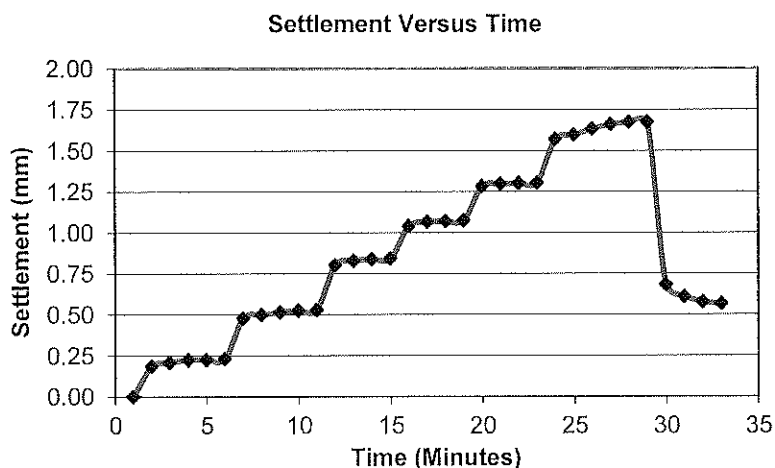
Report on Determination of the Plate Load Test Equivalent C.B.R

Test in Accordance with BS 1377 : PART 9 : 1990 : Incremental Load : DIHM 6.8 Plate Load Test

Site:	ALLINGTON LANE, FAIR OAK	Date Tested:	08/07/2024
Client:	GRACELANDS LTD	Time Tested:	N/R
F.A.O:	LLOYD COXALL	Tested By:	KP+FD
Report Number:	J3009-2	Weather:	OVERCAST
		Air Temperature:	15 °c

Location of Testing:	TEST 2 CH 80	GPS Coordinates:	N/R
Material:	DARK BROWN GRAVELLY SILTY SAND	Layer / Depth:	FORMATION
Supplier / Source:	INSITU		
Reaction Load:	15.8 TONNE 360 EXCAVATOR	Plate Diameter (mm):	454

Settlement (mm)	Pressure (KN/m ²)
0	0
0.23	18
0.53	28
0.84	39
1.08	47
1.31	54
1.67	65
0.57	3



Apparent Modulus of Subgrade Reaction (kN/m ² /mm)	42
(k) Modified for Plate Diameter (k762)	26
Equivalent C.B.R Value (%)	2.8

Equivalent CBR calculated to Design Guidance for Road Pavement Foundations, IAN 73/06. Modulus calculated at 1.25mm penetration. If 1.25mm penetration not achieved, modulus calculated at maximum obtained penetration.

Remarks:



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Signe

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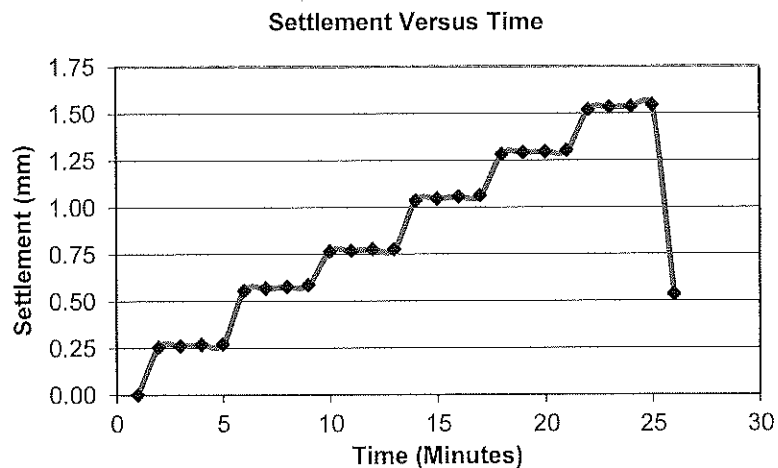
Report on Determination of the Plate Load Test Equivalent C.B.R

Test in Accordance with BS 1377 : PART 9 : 1990 : Incremental Load : DIHM 6.8 Plate Load Test

Site: ALLINGTON LANE, FAIR OAK Date Tested: 19/07/2024
Client: GRACELANDS Time Tested: -
F.A.O: LLOYD COXALL Tested By: MMB
Report Number: J3041-3 Weather: SUNNY Air Temperature: 25 °c

Location of Testing: LOCATION 3, CH 90 GPS Coordinates: N/K
Material: BROWN CLAY Layer / Depth: FORMATION
Supplier / Source: IN-SITU
Reaction Load: 13T 360° EXCAVATOR Plate Diameter (mm): 454

Settlement (mm)	Pressure (KN/m ²)
0	0
0.27	13
0.59	25
0.78	37
1.06	53
1.30	66
1.55	78
0.54	3



Apparent Modulus of Subgrade Reaction (kN/m ² /mm)	50
(k) Modified for Plate Diameter (k762)	31
Equivalent C.B.R Value (%)	3.8

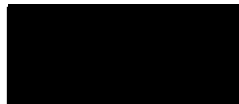
Equivalent CBR calculated to Design Guidance for Road Pavement Foundations, IAN 73/06. Modulus calculated at 1.25mm penetration. If 1.25mm penetration not achieved, modulus calculated at maximum obtained penetration.

Remarks:



0645

Signed:



Date: 24/07/2024

Approved Signatories:

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Assist Lab Manager / Senior Technician

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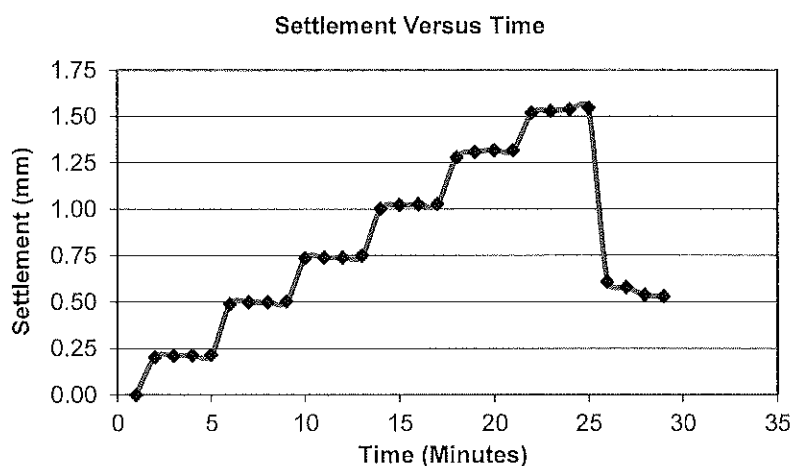
Report on Determination of the Plate Load Test Equivalent C.B.R

Test in Accordance with BS 1377 : PART 9 : 1990 : Incremental Load : DIHM 6.8 Plate Load Test

Site:	ALLINGTON LANE, FAIR OAK	Date Tested:	24/07/2024
Client:	GRACELANDS	Time Tested:	N/R
F.A.O:	LLOYD COXALL	Tested By:	K.POJDA
Report Number:	J3052-1	Weather:	SUNNY
		Air Temperature:	18 °c

Location of Testing:	TEST 1 - CH 45	GPS Coordinates:	N/R
Material:	BROWN CLAY	Layer / Depth:	SUB-FORMATION
Supplier / Source:	IN SITU / SITE WON		
Reaction Load:	16 TONNE 360 EXCAVATOR	Plate Diameter (mm):	454

Settlement (mm)	Pressure (kN/m ²)
0	0
0.22	15
0.50	27
0.75	38
1.03	50
1.32	62
1.55	72
0.53	3



Apparent Modulus of Subgrade Reaction (kN/m ² /mm)	47
(k) Modified for Plate Diameter (k762)	30
Equivalent C.B.R Value (%)	3.4

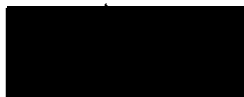
Equivalent CBR calculated to Design Guidance for Road Pavement Foundations, IAN 73/06. Modulus calculated at 1.25mm penetration. If 1.25mm penetration not achieved, modulus calculated at maximum obtained penetration.

Remarks:



0645

Signed:



Date: 25/07/2024

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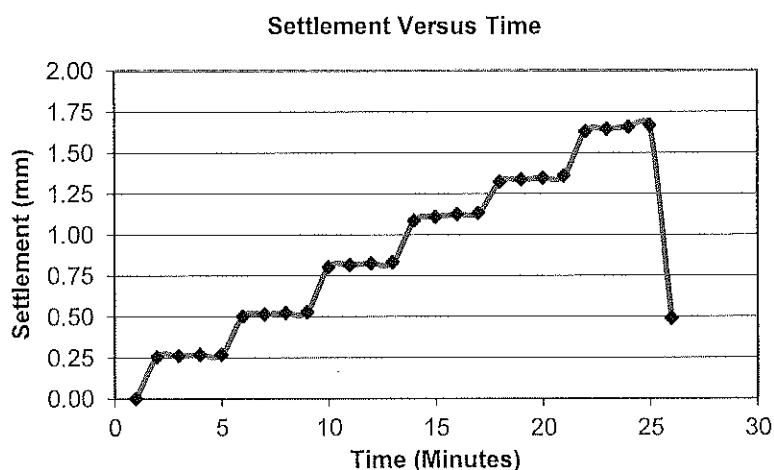
Report on Determination of the Plate Load Test Equivalent C.B.R

Test in Accordance with BS 1377 : PART 9 : 1990 : Incremental Load : DIHM 6.8 Plate Load Test

Site:	ALLINGTON LANE, FAIR OAK	Date Tested:	SUNNY
Client:	GRACELANDS	Time Tested:	-
F.A.O:	LLOYD COXALL	Tested By:	MMB
Report Number:	J3041-4	Weather:	SUNNY
		Air Temperature:	25 °c

Location of Testing:	LOCATION 4, CH 140	GPS Coordinates:	N/K
Material:	BROWN CLAY	Layer / Depth:	FORMATION
Supplier / Source:	IN-SITU		
Reaction Load:	13T 360° EXCAVATOR	Plate Diameter (mm):	454

Settlement (mm)	Pressure (kN/m ²)
0	0
0.27	25
0.53	45
0.83	63
1.13	77
1.36	85
1.67	101
0.49	3



Apparent Modulus of Subgrade Reaction (kN/m ² /mm)	66
(k) Modified for Plate Diameter (k762)	41
Equivalent C.B.R Value (%)	6.1

Equivalent CBR calculated to Design Guidance for Road Pavement Foundations, IAN 73/06. Modulus calculated at 1.25mm penetration. If 1.25mm penetration not achieved, modulus calculated at maximum obtained penetration.

Remarks:



0645

Signed:



Date: 24/07/2024

Approved Signatories:

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