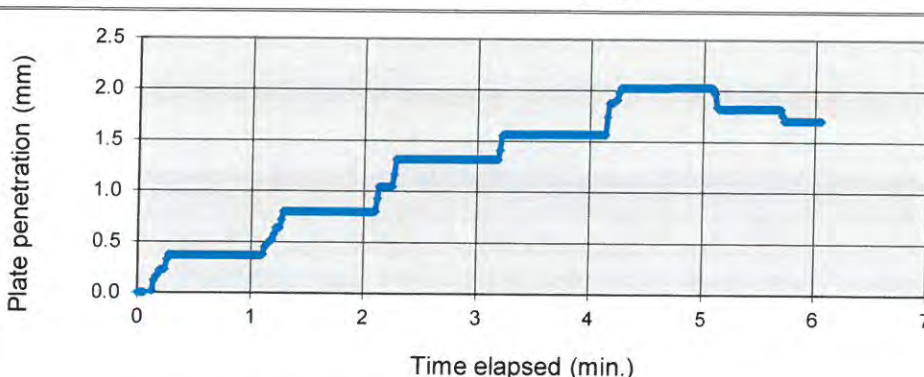
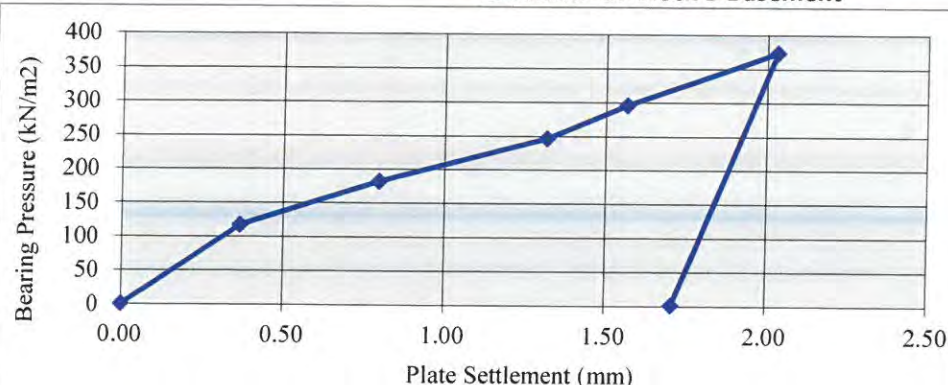


LABORATORY TEST REPORT
DETERMINATION OF PLATE BEARING CAPACITY

Project :	Hayes Village	Job No.	ORD-67243/1
Client :	Henry Construction Projects	Lab Ref No	ORD-67243/1
	Parkway Farm	Date Tested	09/05/22
	Church Road	Date Reported	09/05/22
	Hounslow, TW5 9RY	Weather Conditions:	OVERCAST
Originator :	Alan Gavin		

Location: 10 Block B Basement



Maximum Applied Pressure (kPa) :	373
Maximum deformation (mm) :	2.0
Modulus of subgrade reaction K (MN/m³) :	190.3
K₇₆₂ (MN/m³) :	118.6
Calculated Equivalent CBR (%) :	38
Moisture Content (%) :	N/A

Material Type	
6F2	
Plate Diameter (mm)	
450	
Technician	
FS	
Depth	
Type of Reaction Load	
22 TONNE EXC	
Bearing Pressure (kN/m²)	Plate Settlement (mm)
0.0	0.00
117.0	0.37
182.0	0.80
246.0	1.32
295.0	1.56
373.0	2.03
1.0	1.71
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The stated result only relates to the item/location tested, this report shall not be reproduced except in full.

Incremental Plate Load - Tested in accordance with BS 1377 : Part 9 Cl. 4.1.6.4.2: 1990

Moisture Content - Tested in accordance with BS 1377: Part 2 : 1990, oven drying method

Values K₇₆₂, K and CBR(%) calculated in accordance with Interim Advice Note 73/06 (Withdrawn)



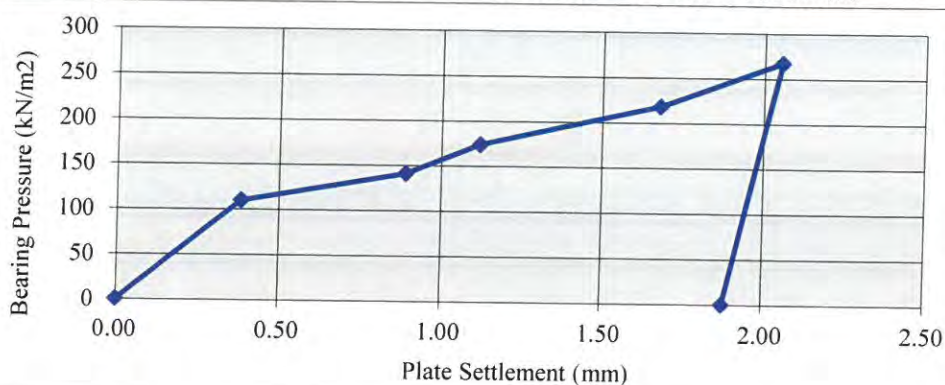
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CMTL Limited
Matthew Harris, Operations lead
RS84B Issue 3 Feb 22



LABORATORY TEST REPORT
DETERMINATION OF PLATE BEARING CAPACITY

Project :	Hayes Village	Job No.	ORD-67243/1
Client :	Henry Construction Projects	Lab Ref No	ORD-67243/1
	Parkway Farm	Date Tested	05/05/22
	Church Road	Date Reported	05/05/22
	Hounslow, TW5 9RY	Weather Conditions:	OVERCAST
Originator :	Alan Gavin		

Location: 16 Block B Basement



Maximum Applied Pressure (kPa) :	267
Maximum deformation (mm) :	2.1
Modulus of subgrade reaction K (MN/m³) :	147.3
K₇₆₂ (MN/m³) :	91.8
Calculated Equivalent CBR (%) :	24
Moisture Content (%) :	N/A

Material Type Sandy Ballast	
Plate Diameter (mm) 450	
Technician FS	
Depth	
Type of Reaction Load 22 TONNE EXC	
Bearing Pressure (kN/m²)	Plate Settlement (mm)
0.0	0.00
110.0	0.38
141.0	0.89
174.0	1.12
218.0	1.68
267.0	2.05
0.0	1.88
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Incremental Plate Load - Tested in accordance with BS 1377 : Part 9 Cl. 4.1.6.4.2: 1990

Moisture Content - Tested in accordance with BS 1377: Part 2 : 1990, oven drying method

Values K₇₆₂, K and CBR(%) calculated in accordance with Interim Advice Note 73/06 (Withdrawn)



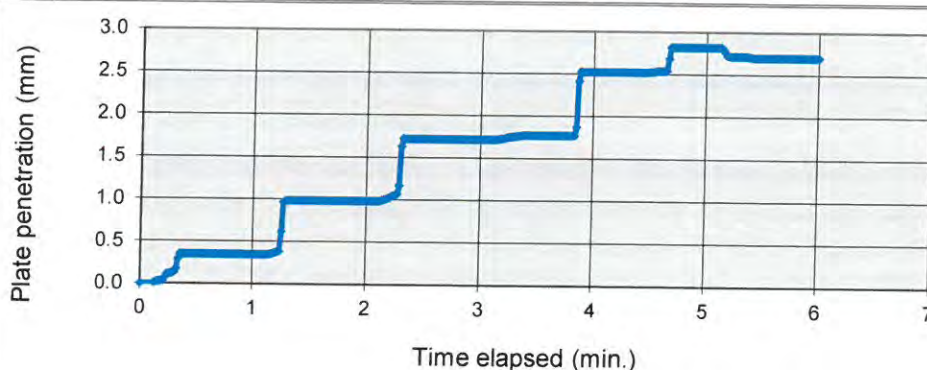
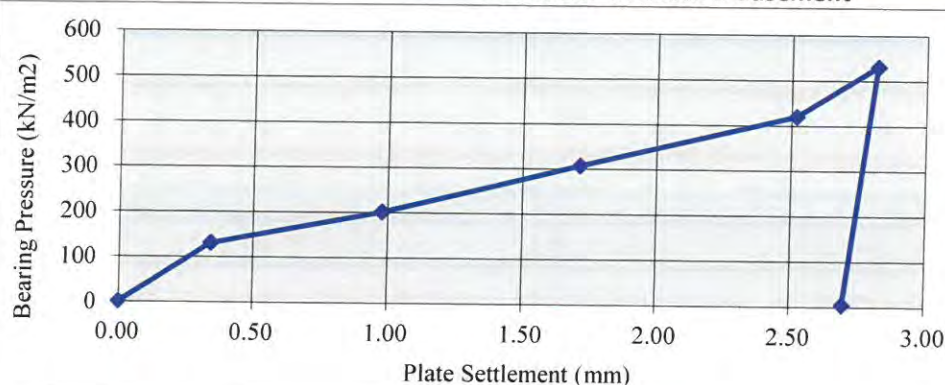
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Matthew Harris, Operations lead
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LABORATORY TEST REPORT
DETERMINATION OF PLATE BEARING CAPACITY

Project :	Hayes Village	Job No.	ORD-67243/1
Client :	Henry Construction Projects	Lab Ref No	ORD-67243/1
	Parkway Farm	Date Tested	09/05/22
	Church Road	Date Reported	09/05/22
	Hounslow, TW5 9RY	Weather Conditions:	OVERCAST
Originator :	Alan Gavin		

Location: 16 Block B Basement



Maximum Applied Pressure (kPa) :	530
Maximum deformation (mm) :	2.8
Modulus of subgrade reaction K (MN/m³) :	192.2
K₇₆₂ (MN/m³) :	119.8
Calculated Equivalent CBR (%) :	39
Moisture Content (%) :	N/A

Material Type	
6F2	
Plate Diameter (mm)	
450	
Technician	
FS	
Depth	
Type of Reaction Load	
22 TONNE EXC	
Bearing Pressure (kN/m²)	Plate Settlement (mm)
0.0	0.00
130.0	0.34
201.0	0.98
307.0	1.71
419.0	2.52
530.0	2.82
4.0	2.70
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Incremental Plate Load - Tested in accordance with BS 1377 : Part 9 Cl. 4.1.6.4.2: 1990

Moisture Content - Tested in accordance with BS 1377: Part 2 : 1990, oven drying method

Values K₇₆₂, K and CBR(%) calculated in accordance with Interim Advice Note 73/06 (Withdrawn)

M Harris

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Matthew Harris, Operations lead

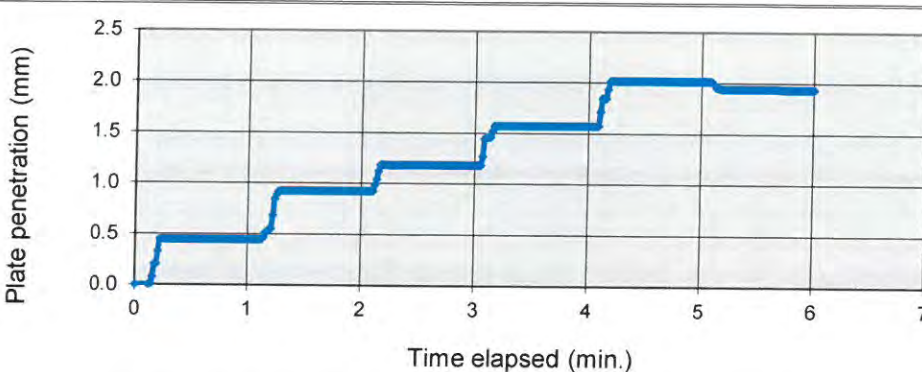
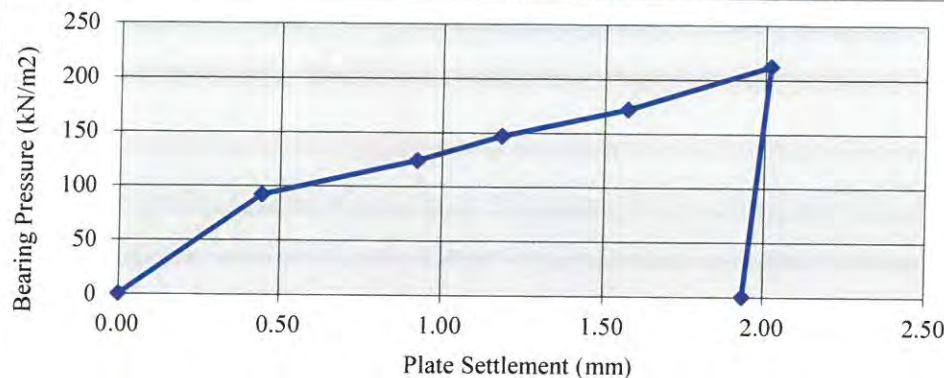
RS84B Issue 3 Feb 22



LABORATORY TEST REPORT
DETERMINATION OF PLATE BEARING CAPACITY

Project :	Hayes Village	Job No.	ORD-67243/1
Client :	Henry Construction Projects	Lab Ref No	ORD-67243/1
	Parkway Farm	Date Tested	05/05/22
	Church Road	Date Reported	05/05/22
	Hounslow, TW5 9RY	Weather Conditions:	OVERCAST
Originator :	Alan Gavin		

Location: 34 Block B Basement



Maximum Applied Pressure (kPa) :	212
Maximum deformation (mm) :	2.0
Modulus of subgrade reaction K (MN/m³) :	121.1
K₇₆₂ (MN/m³) :	75.5
Calculated Equivalent CBR (%) :	17
Moisture Content (%) :	N/A

Material Type Sandy Ballast	
Plate Diameter (mm) 450	
Technician FS	
Depth	
Type of Reaction Load 22 TONNE EXC	
Bearing Pressure (kN/m²)	Plate Settlement (mm)
0.0	0.00
92.0	0.44
124.0	0.92
147.0	1.18
172.0	1.57
212.0	2.02
0.0	1.94
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Incremental Plate Load - Tested in accordance with BS 1377 : Part 9 Cl. 4.1.6.4.2: 1990

Moisture Content - Tested in accordance with BS 1377: Part 2 : 1990, oven drying method

Values K₇₆₂, K and CBR(%) calculated in accordance with Interim Advice Note 73/06 (Withdrawn)



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Matthew Harris, Operations lead

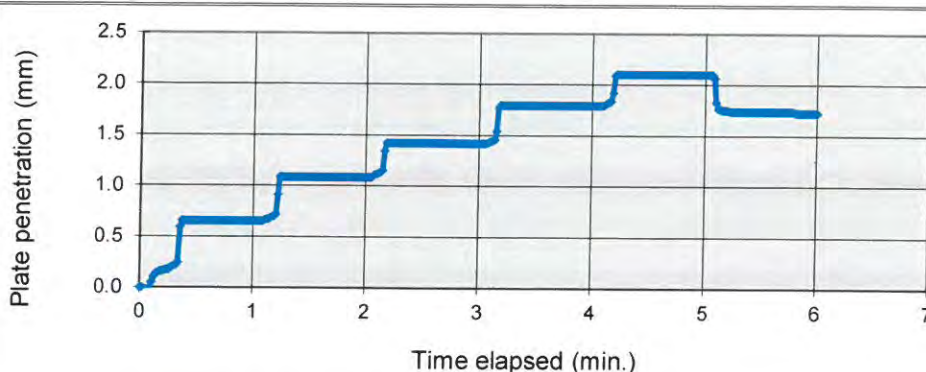
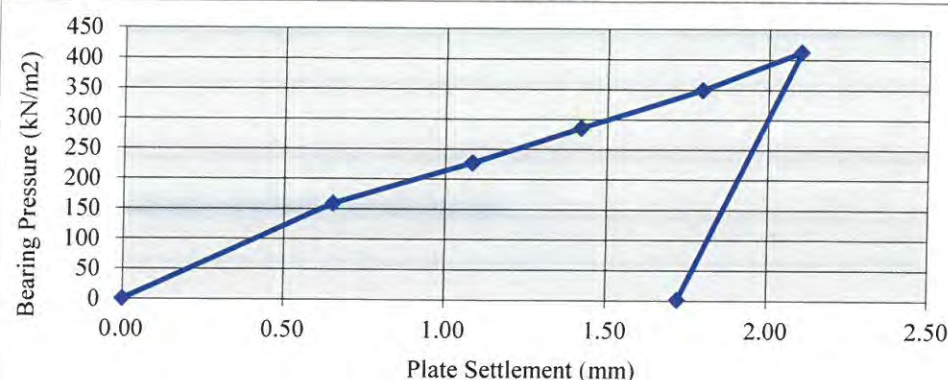
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LABORATORY TEST REPORT
DETERMINATION OF PLATE BEARING CAPACITY

Project :	Hayes Village	Job No.	ORD-67243/1
Client :	Henry Construction Projects	Lab Ref No	ORD-67243/1
	Parkway Farm	Date Tested	09/05/22
	Church Road	Date Reported	09/05/22
	Hounslow, TW5 9RY	Weather Conditions:	OVERCAST
Originator :	Alan Gavin		

Location: 34 Block B Basement



Maximum Applied Pressure (kPa) :	412
Maximum deformation (mm) :	2.1
Modulus of subgrade reaction K (MN/m³) :	204.7
K₇₆₂ (MN/m³) :	127.5
Calculated Equivalent CBR (%) :	43
Moisture Content (%) :	N/A

Material Type	
6F2	
Plate Diameter (mm)	
450	
Technician	
FS	
Depth	
Type of Reaction Load	
22 TONNE EXC	
Bearing Pressure (kN/m²)	Plate Settlement (mm)
0.0	0.00
159.0	0.65
227.0	1.08
285.0	1.42
349.0	1.79
412.0	2.10
1.0	1.72
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Incremental Plate Load - Tested in accordance with BS 1377 : Part 9 Cl. 4.1.6.4.2: 1990

Moisture Content - Tested in accordance with BS 1377: Part 2 : 1990, oven drying method

Values K₇₆₂, K and CBR(%) calculated in accordance with Interim Advice Note 73/06 (Withdrawn)

M. Harris

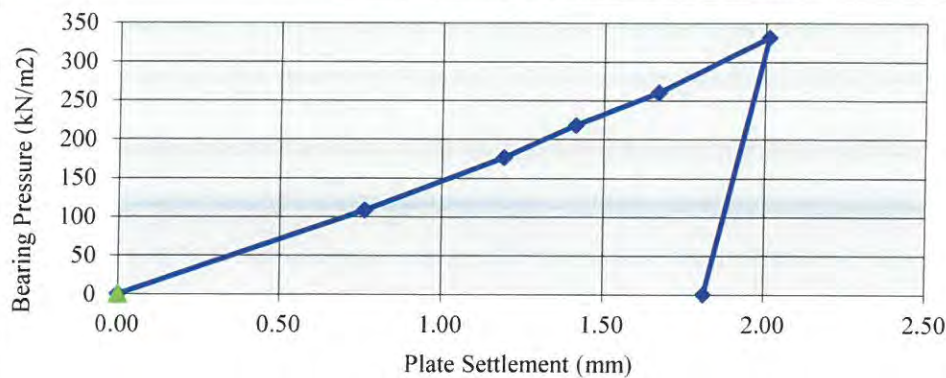
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Matthew Harris, Operations lead
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LABORATORY TEST REPORT
DETERMINATION OF PLATE BEARING CAPACITY

Project :	Hayes Village	Job No.	ORD-67243/1
Client :	Henry Construction Projects	Lab Ref No	ORD-67243/1
	Parkway Farm	Date Tested	05/05/22
	Church Road	Date Reported	05/05/22
	Hounslow, TW5 9RY	Weather Conditions:	OVERCAST
Originator :	Alan Gavin		

Location: 38 Block B Basement



Maximum Applied Pressure (kPa) :	331
Maximum deformation (mm) :	2.0
Modulus of subgrade reaction K (MN/m³) :	149.4
K₇₆₂ (MN/m³) :	93.1
Calculated Equivalent CBR (%) :	25
Moisture Content (%) :	N/A

Material Type Sandy Ballast	
Plate Diameter (mm) 450	
Technician FS	
Depth	
Type of Reaction Load 22 TONNE EXC	
Bearing Pressure (kN/m²)	Plate Settlement (mm)
0.0	0.00
108.0	0.76
176.0	1.19
218.0	1.41
260.0	1.67
331.0	2.01
0.0	1.81
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Incremental Plate Load - Tested in accordance with BS 1377 : Part 9 Cl. 4.1.6.4.2: 1990

Moisture Content - Tested in accordance with BS 1377: Part 2 : 1990, oven drying method

Values K₇₆₂, K and CBR(%) calculated in accordance with Interim Advice Note 73/06 (Withdrawn)

M Harris

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CMTL Limited
Matthew Harris, Operations lead

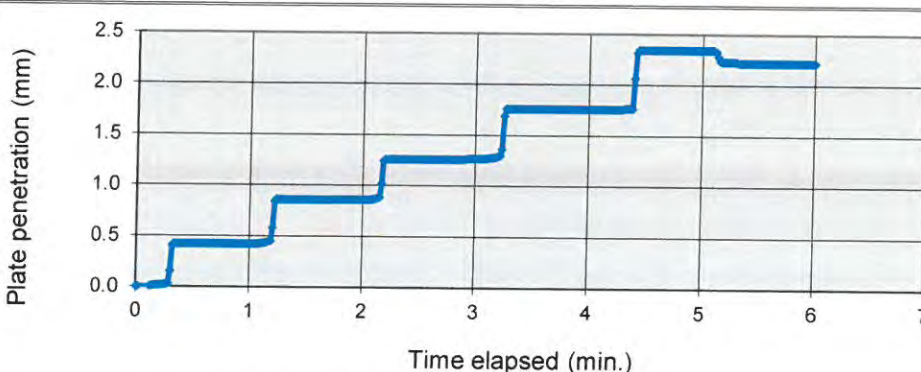
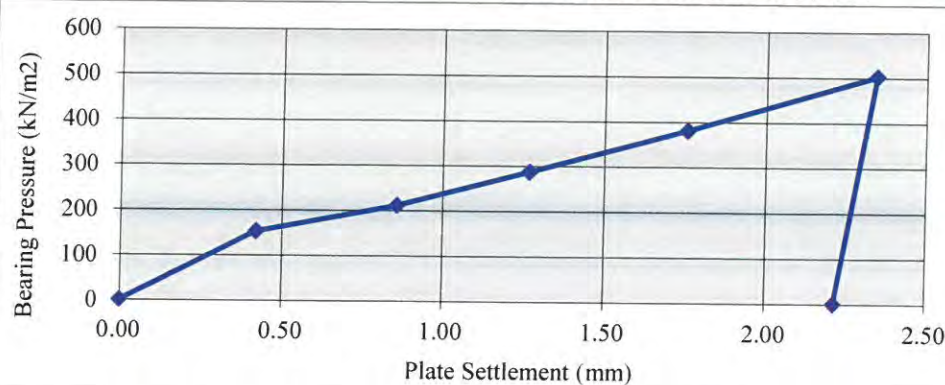
RS84B Issue 3 Feb 22



LABORATORY TEST REPORT
DETERMINATION OF PLATE BEARING CAPACITY

Project :	Hayes Village	Job No.	ORD-67243/1
Client :	Henry Construction Projects	Lab Ref No	ORD-67243/1
	Parkway Farm	Date Tested	09/05/22
	Church Road	Date Reported	09/05/22
	Hounslow, TW5 9RY	Weather Conditions:	OVERCAST
Originator :	Alan Gavin		

Location: 38 Block B Basement



Maximum Applied Pressure (kPa) :	502
Maximum deformation (mm) :	2.3
Modulus of subgrade reaction K (MN/m³) :	227.0
K₇₆₂ (MN/m³) :	141.4
Calculated Equivalent CBR (%) :	51
Moisture Content (%) :	N/A

Material Type	
6F2	
Plate Diameter (mm)	
450	
Technician	
FS	
Depth	
Type of Reaction Load	
22 TONNE EXC	
Bearing Pressure (kN/m²)	Plate Settlement (mm)
0.0	0.00
153.0	0.42
212.0	0.86
287.0	1.27
381.0	1.76
502.0	2.34
0.0	2.21
-	-
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Incremental Plate Load - Tested in accordance with BS 1377 : Part 9 Cl. 4.1.6.4.2: 1990

Moisture Content - Tested in accordance with BS 1377: Part 2 : 1990, oven drying method

Values K₇₆₂, K and CBR(%) calculated in accordance with Interim Advice Note 73/06 (Withdrawn)

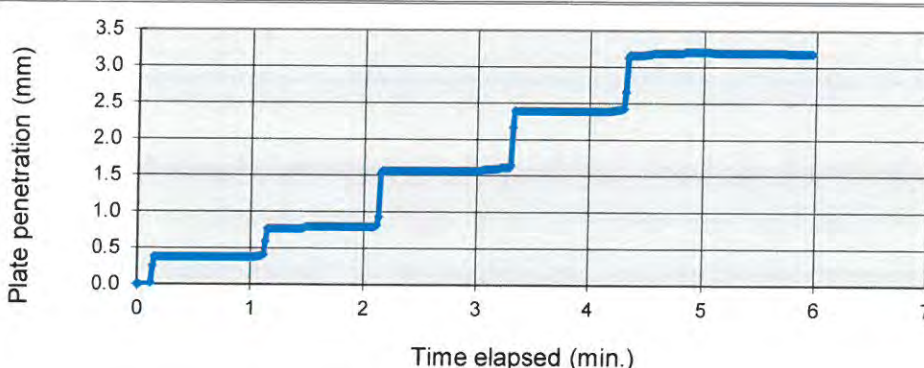
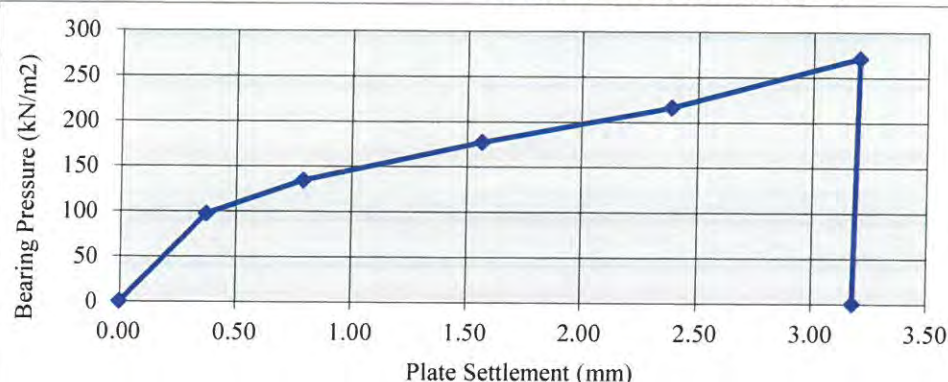

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CMTL Limited
Matthew Harris, Operations lead
RS84B Issue 3 Feb 22



LABORATORY TEST REPORT
DETERMINATION OF PLATE BEARING CAPACITY

Project :	Hayes Village	Job No.	ORD-67243/1
Client :	Henry Construction Projects	Lab Ref No	ORD-67243/1
	Parkway Farm	Date Tested	05/05/22
	Church Road	Date Reported	05/05/22
	Hounslow, TW5 9RY	Weather Conditions:	OVERCAST
Originator :	Alan Gavin		

Location: 39 Block B Basement



Maximum Applied Pressure (kPa) :	271
Maximum deformation (mm) :	3.2
Modulus of subgrade reaction K (MN/m³) :	127.8
K₇₆₂ (MN/m³) :	79.6
Calculated Equivalent CBR (%) :	19
Moisture Content (%) :	N/A

Material Type Sandy Ballast	
Plate Diameter (mm) 450	
Technician FS	
Depth	
Type of Reaction Load 15 TONNE EXC	
Bearing Pressure (kN/m²)	Plate Settlement (mm)
0.0	0.00
97.0	0.37
134.0	0.79
177.0	1.56
216.0	2.39
271.0	3.20
0.0	3.18
-	-
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Incremental Plate Load - Tested in accordance with BS 1377 : Part 9 Cl. 4.1.6.4.2: 1990

Moisture Content - Tested in accordance with BS 1377: Part 2 : 1990, oven drying method

Values K₇₆₂, K and CBR(%) calculated in accordance with Interim Advice Note 73/06 (Withdrawn)

M Harris

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CMTL Limited
Matthew Harris, Operations lead

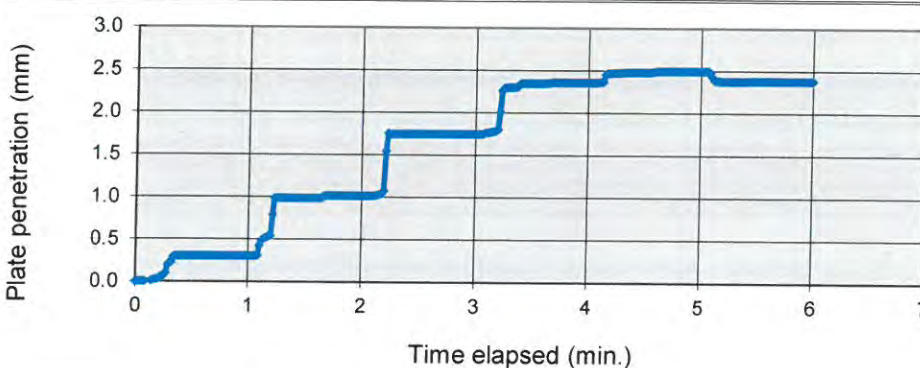
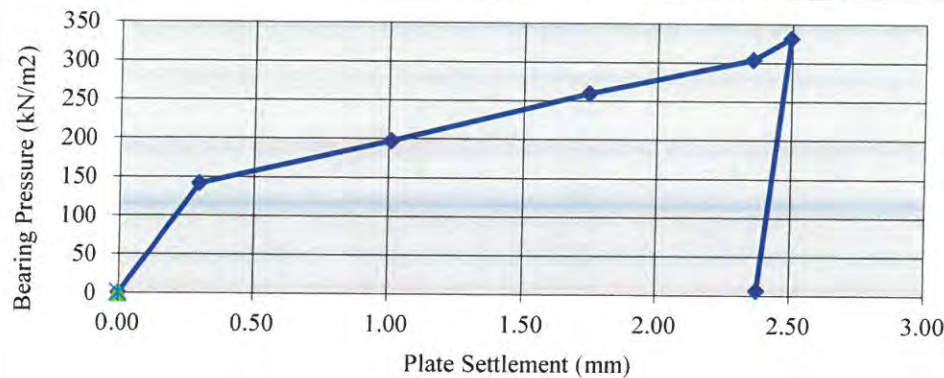
RS84B Issue 3 Feb 22



LABORATORY TEST REPORT
DETERMINATION OF PLATE BEARING CAPACITY

Project :	Hayes Village	Job No.	ORD-67243/1
Client :	Henry Construction Projects	Lab Ref No	ORD-67243/1
	Parkway Farm	Date Tested	09/05/22
	Church Road	Date Reported	09/05/22
	Hounslow, TW5 9RY	Weather Conditions:	OVERCAST
Originator :	Alan Gavin		

Location: 39 Block B Basement



Maximum Applied Pressure (kPa) :	331
Maximum deformation (mm) :	2.5
Modulus of subgrade reaction K (MN/m³) :	174.0
K₇₆₂ (MN/m³) :	108.4
Calculated Equivalent CBR (%) :	32
Moisture Content (%) :	N/A

Material Type	
6F2	
Plate Diameter (mm)	
450	
Technician	
FS	
Depth	
Type of Reaction Load	
22 TONNE EXC	
Bearing Pressure (kN/m²)	Plate Settlement (mm)
0.0	0.00
141.0	0.30
197.0	1.01
259.0	1.74
303.0	2.35
331.0	2.49
6.0	2.38
-	-
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Incremental Plate Load - Tested in accordance with BS 1377 : Part 9 Cl. 4.1.6.4.2: 1990

Moisture Content - Tested in accordance with BS 1377: Part 2 : 1990, oven drying method

Values K₇₆₂, K and CBR(%) calculated in accordance with Interim Advice Note 73/06 (Withdrawn)

M Harris
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CMTL Limited
Matthew Harris, Operations lead

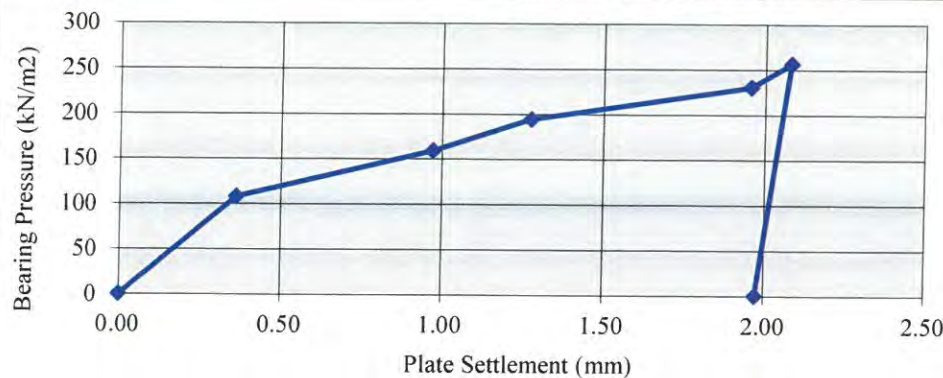
RS84B Issue 3 Feb 22



LABORATORY TEST REPORT
DETERMINATION OF PLATE BEARING CAPACITY

Project :	Hayes Village	Job No.	ORD-67243/1
Client :	Henry Construction Projects	Lab Ref No	ORD-67243/1
	Parkway Farm	Date Tested	09/05/22
	Church Road	Date Reported	09/05/22
	Hounslow, TW5 9RY	Weather Conditions:	OVERCAST
Originator :	Alan Gavin		

Location: 40 Block B Basement



Maximum Applied Pressure (kPa) :	256
Maximum deformation (mm) :	2.1
Modulus of subgrade reaction K (MN/m³) :	152.6
K₇₆₂ (MN/m³) :	95.0
Calculated Equivalent CBR (%) :	26
Moisture Content (%) :	N/A

Material Type	
6F2	
Plate Diameter (mm)	
450	
Technician	
FS	
Depth	
Type of Reaction Load	
15 TONNE EXC	
Bearing Pressure (kN/m²)	Plate Settlement (mm)
0.0	0.00
108.0	0.36
159.0	0.97
194.0	1.28
230.0	1.96
256.0	2.08
0.0	1.97
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Incremental Plate Load - Tested in accordance with BS 1377 : Part 9 Cl. 4.1.6.4.2: 1990

Moisture Content - Tested in accordance with BS 1377: Part 2 : 1990, oven drying method

Values K₇₆₂, K and CBR(%) calculated in accordance with Interim Advice Note 73/06 (Withdrawn)



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Matthew Harris, Operations lead

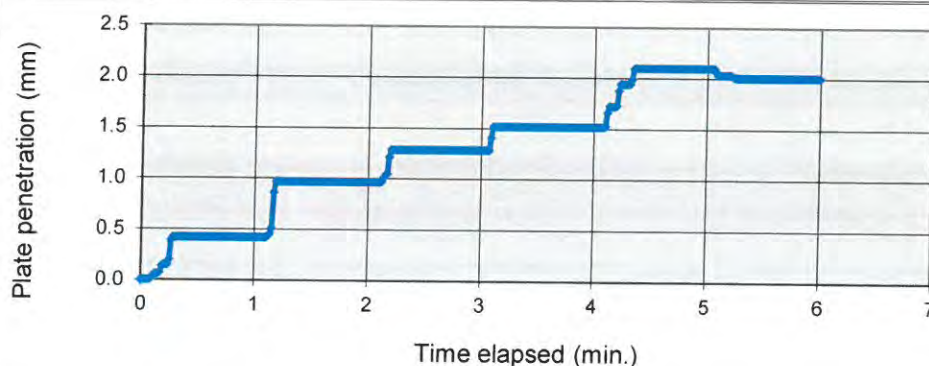
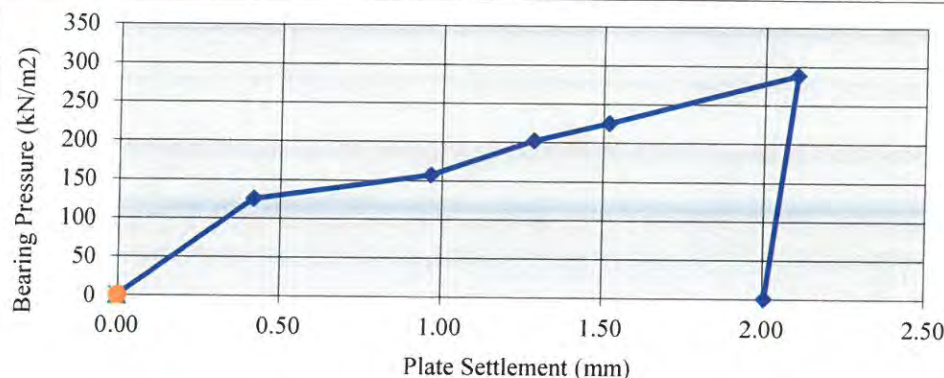
RS84B Issue 3 Feb 22



LABORATORY TEST REPORT
DETERMINATION OF PLATE BEARING CAPACITY

Project :	Hayes Village	Job No.	ORD-67243/1
Client :	Henry Construction Projects	Lab Ref No	ORD-67243/1
	Parkway Farm	Date Tested	05/05/22
	Church Road	Date Reported	09/05/22
	Hounslow, TW5 9RY	Weather Conditions:	OVERCAST
Originator :	Alan Gavin		

Location: 41 Block B Basement



Maximum Applied Pressure (kPa) :	288
Maximum deformation (mm) :	2.1
Modulus of subgrade reaction K (MN/m³) :	157.4
K₇₆₂ (MN/m³) :	98.1
Calculated Equivalent CBR (%) :	27
Moisture Content (%) :	N/A

Material Type Sandy Ballast	
Plate Diameter (mm) 450	
Technician FS	
Depth	
Type of Reaction Load 22 TONNE EXC	
Bearing Pressure (kN/m²)	Plate Settlement (mm)
0.0	0.00
125.0	0.42
157.0	0.97
202.0	1.28
225.0	1.52
288.0	2.10
0.0	2.01
-	-
-	-
-	-
-	-
-	-
-	-
-	-

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Incremental Plate Load - Tested in accordance with BS 1377 : Part 9 Cl. 4.1.6.4.2: 1990

Moisture Content - Tested in accordance with BS 1377: Part 2 : 1990, oven drying method

Values K₇₆₂, K and CBR(%) calculated in accordance with Interim Advice Note 73/06 (Withdrawn)

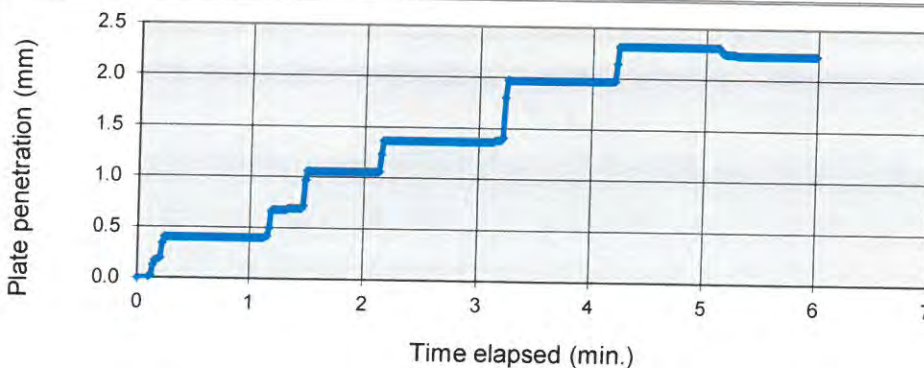
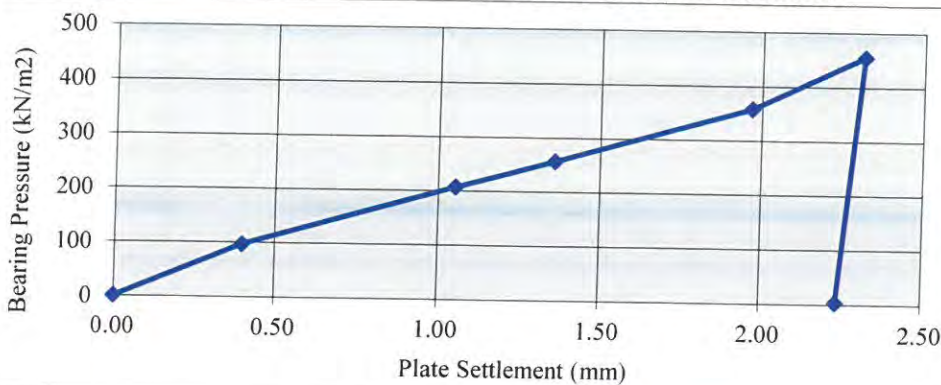
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CMTL Limited
Matthew Harris, Operations lead
RS84B Issue 3 Feb 22



LABORATORY TEST REPORT
DETERMINATION OF PLATE BEARING CAPACITY

Project :	Hayes Village	Job No.	ORD-67243/1
Client :	Henry Construction Projects	Lab Ref No	ORD-67243/1
	Parkway Farm	Date Tested	09/05/22
	Church Road	Date Reported	09/05/22
	Hounslow, TW5 9RY	Weather Conditions:	OVERCAST
Originator :	Alan Gavin		

Location: 41 Block B Basement



Maximum Applied Pressure (kPa) :	454
Maximum deformation (mm) :	2.3
Modulus of subgrade reaction K (MN/m³) :	190.6
K₇₆₂ (MN/m³) :	118.7
Calculated Equivalent CBR (%) :	38
Moisture Content (%) :	N/A

Material Type	
6F2	
Plate Diameter (mm)	
450	
Technician	
FS	
Depth	
Type of Reaction Load	
22 TONNE EXC	
Bearing Pressure (kN/m²)	Plate Settlement (mm)
0.0	0.00
97.0	0.40
207.0	1.05
256.0	1.36
357.0	1.97
454.0	2.31
3.0	2.24
-	-
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Incremental Plate Load - Tested in accordance with BS 1377 : Part 9 Cl. 4.1.6.4.2: 1990

Moisture Content - Tested in accordance with BS 1377: Part 2 : 1990, oven drying method

Values K₇₆₂, K and CBR(%) calculated in accordance with Interim Advice Note 73/06 (Withdrawn)

M. Harris

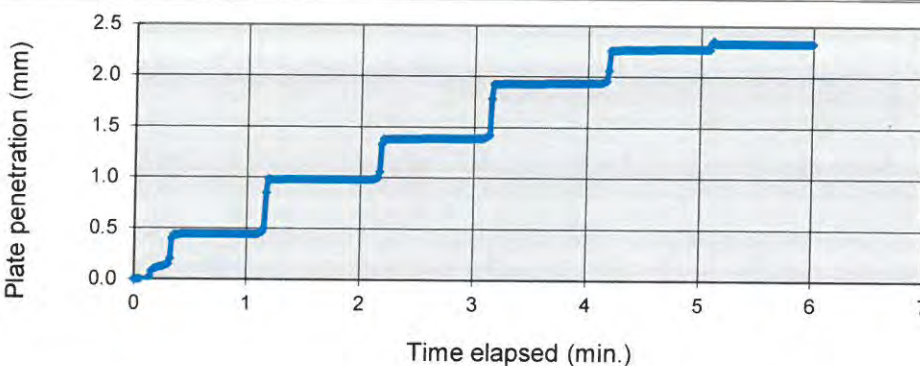
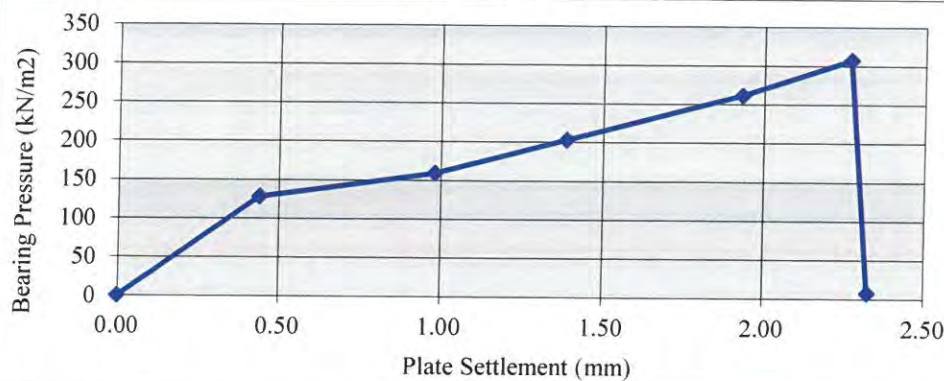
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CMTL Limited
Matthew Harris, Operations lead
RS84B Issue 3 Feb 22



LABORATORY TEST REPORT
DETERMINATION OF PLATE BEARING CAPACITY

Project :	Hayes Village	Job No.	ORD-67243/1
Client :	Henry Construction Projects	Lab Ref No	ORD-67243/1
	Parkway Farm	Date Tested	05/05/22
	Church Road	Date Reported	05/05/22
	Hounslow, TW5 9RY	Weather Conditions:	OVERCAST
Originator :	Alan Gavin		

Location: 44 Block B Basement



Maximum Applied Pressure (kPa) :	307
Maximum deformation (mm) :	2.3
Modulus of subgrade reaction K (MN/m³) :	150.6
K₇₆₂ (MN/m³) :	93.9
Calculated Equivalent CBR (%) :	25
Moisture Content (%) :	N/A

Material Type Sandy Ballast	
Plate Diameter (mm) 450	
Technician FS	
Depth	
Type of Reaction Load 22 TONNE EXC	
Bearing Pressure (kN/m²)	Plate Settlement (mm)
0.0	0.00
128.0	0.44
159.0	0.98
203.0	1.39
261.0	1.93
307.0	2.27
7.0	2.33
-	-
-	-
-	-
-	-
-	-
-	-
-	-

The stated result only relates to the item/location tested, this report shall not be reproduced except in full.

Incremental Plate Load - Tested in accordance with BS 1377 : Part 9 Cl. 4.1.6.4.2: 1990

Moisture Content - Tested in accordance with BS 1377: Part 2 : 1990, oven drying method

Values K₇₆₂, K and CBR(%) calculated in accordance with Interim Advice Note 73/06 (Withdrawn)

M Harris

Approved Signature
CMTL Limited
Matthew Harris, Operations lead

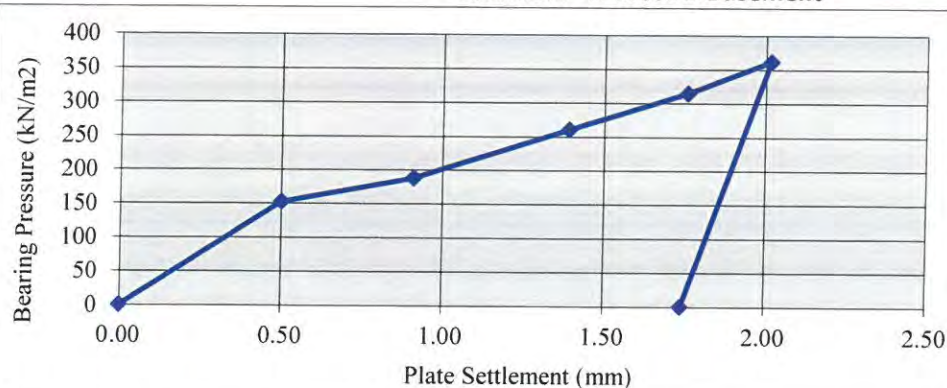
RS84B Issue 3 Feb 22



LABORATORY TEST REPORT
DETERMINATION OF PLATE BEARING CAPACITY

Project :	Hayes Village	Job No.	ORD-67243/1
Client :	Henry Construction Projects	Lab Ref No	ORD-67243/1
	Parkway Farm	Date Tested	09/05/22
	Church Road	Date Reported	09/05/22
	Hounslow, TW5 9RY	Weather Conditions:	OVERCAST
Originator :	Alan Gavin		

Location: 44 Block B Basement



Maximum Applied Pressure (kPa) :	361
Maximum deformation (mm) :	2.0
Modulus of subgrade reaction K (MN/m³) :	191.3
K₇₆₂ (MN/m³) :	119.2
Calculated Equivalent CBR (%) :	38
Moisture Content (%) :	N/A

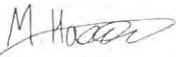
Material Type	
6F2	
Plate Diameter (mm)	
450	
Technician	
FS	
Depth	
Type of Reaction Load	
22 TONNE EXC	
Bearing Pressure (kN/m²)	Plate Settlement (mm)
0.0	0.00
153.0	0.50
188.0	0.91
260.0	1.39
314.0	1.76
361.0	2.01
0.0	1.74
-	-
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-	-

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Incremental Plate Load - Tested in accordance with BS 1377 : Part 9 Cl. 4.1.6.4.2: 1990

Moisture Content - Tested in accordance with BS 1377: Part 2 : 1990, oven drying method

Values K₇₆₂, K and CBR(%) calculated in accordance with Interim Advice Note 73/06 (Withdrawn)



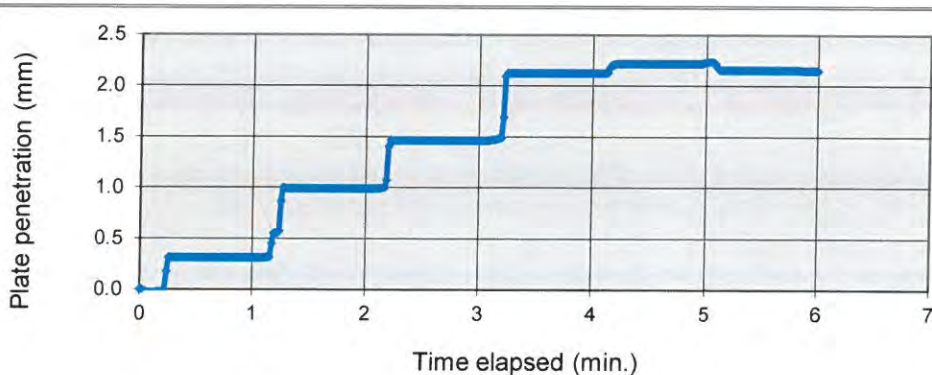
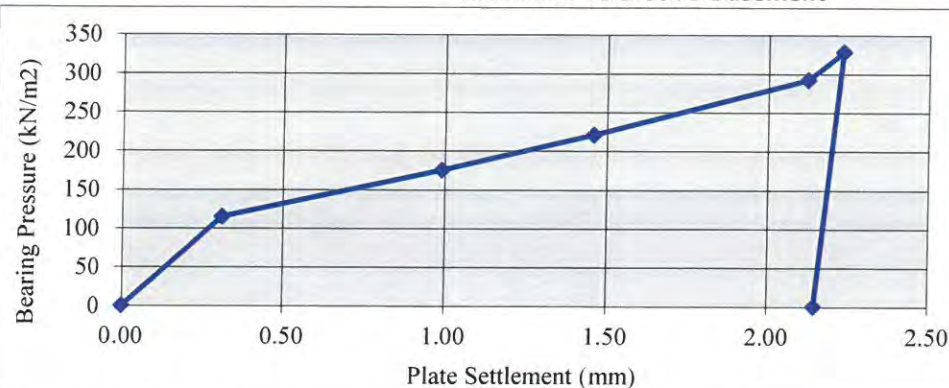
Approved Signature
CMTL Limited
Matthew Harris, Operations lead
RS84B Issue 3 Feb 22



LABORATORY TEST REPORT
DETERMINATION OF PLATE BEARING CAPACITY

Project :	Hayes Village	Job No.	ORD-67243/1
Client :	Henry Construction Projects	Lab Ref No	ORD-67243/1
	Parkway Farm	Date Tested	05/05/22
	Church Road	Date Reported	05/05/22
	Hounslow, TW5 9RY	Weather Conditions:	OVERCAST
Originator :	Alan Gavin		

Location: 45 Block B Basement



Maximum Applied Pressure (kPa) :	328
Maximum deformation (mm) :	2.2
Modulus of subgrade reaction K (MN/m³) :	160.1
K₇₆₂ (MN/m³) :	99.7
Calculated Equivalent CBR (%) :	28
Moisture Content (%) :	N/A

Material Type Sandy Ballast	
Plate Diameter (mm) 450	
Technician FS	
Depth	
Type of Reaction Load 22 TONNE EXC	
Bearing Pressure (kN/m²)	Plate Settlement (mm)
0.0	0.00
115.0	0.31
175.0	0.99
221.0	1.46
292.0	2.12
328.0	2.23
0.0	2.15
-	-
-	-
-	-
-	-
-	-
-	-
-	-

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Incremental Plate Load - Tested in accordance with BS 1377 : Part 9 Cl. 4.1.6.4.2: 1990

Moisture Content - Tested in accordance with BS 1377: Part 2 : 1990, oven drying method

Values K₇₆₂, K and CBR(%) calculated in accordance with Interim Advice Note 73/06 (Withdrawn)

M Harris

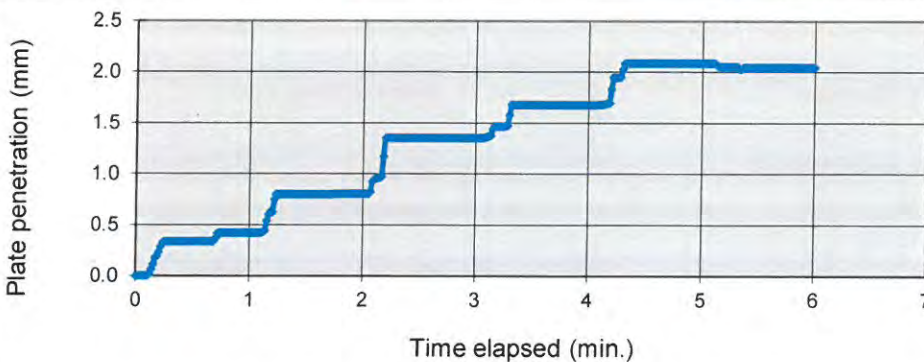
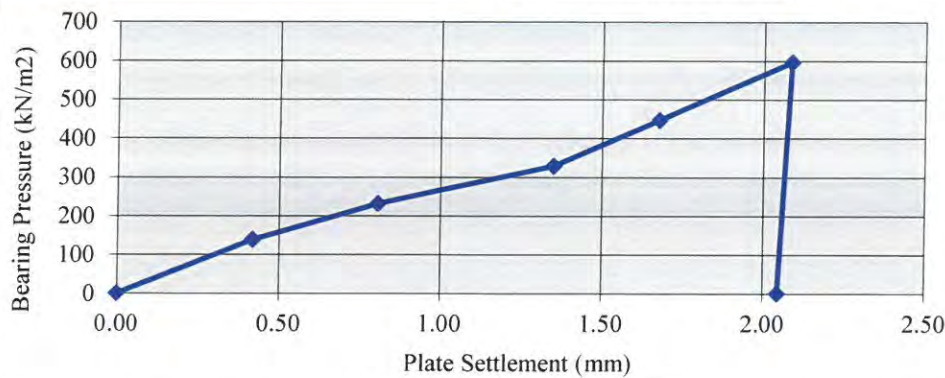
Approved Signature
CMTL Limited
Matthew Harris, Operations lead
RS848 Issue 3 Feb 22



LABORATORY TEST REPORT
DETERMINATION OF PLATE BEARING CAPACITY

Project :	Hayes Village	Job No.	ORD-67243/1
Client :	Henry Construction Projects	Lab Ref No	ORD-67243/1
	Parkway Farm	Date Tested	09/05/22
	Church Road	Date Reported	09/05/22
	Hounslow, TW5 9RY	Weather Conditions:	OVERCAST
Originator :	Alan Gavin		

Location: 45 Block B Basement



Maximum Applied Pressure (kPa) :	596
Maximum deformation (mm) :	2.1
Modulus of subgrade reaction K (MN/m³) :	247.8
K₇₆₂ (MN/m³) :	154.4
Calculated Equivalent CBR (%) :	60
Moisture Content (%) :	N/A

Material Type	
6F2	
Plate Diameter (mm)	
450	
Technician	
FS	
Depth	
Type of Reaction Load	
22 TONNE EXC	
Bearing Pressure (kN/m²)	Plate Settlement (mm)
0.0	0.00
138.0	0.42
231.0	0.81
328.0	1.35
447.0	1.68
596.0	2.09
0.0	2.05
-	-
-	-
-	-
-	-
-	-
-	-
-	-

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Incremental Plate Load - Tested in accordance with BS 1377 : Part 9 Cl. 4.1.6.4.2: 1990

Moisture Content - Tested in accordance with BS 1377: Part 2 : 1990, oven drying method

Values K₇₆₂, K and CBR(%) calculated in accordance with Interim Advice Note 73/06 (Withdrawn)

M Harris

Approved Signature
CMTL Limited
Matthew Harris, Operations lead

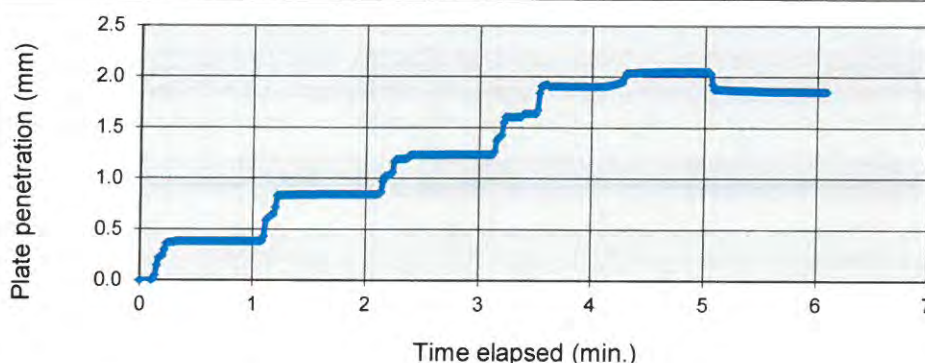
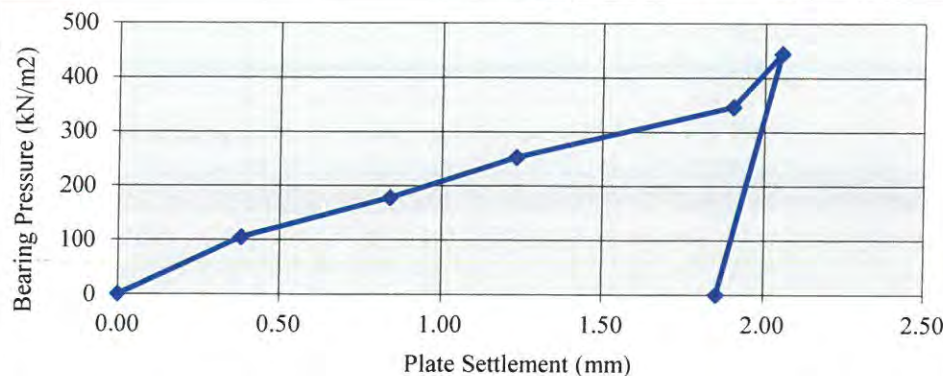
RS848 Issue 3 Feb 22



LABORATORY TEST REPORT
DETERMINATION OF PLATE BEARING CAPACITY

Project :	Hayes Village	Job No.	ORD-67243/3
Client :	Henry Construction Projects	Lab Ref No	ORD-67243/3
	Parkway Farm	Date Tested	23/05/23
	Church Road	Date Reported	23/05/23
	Hounslow, TW5 9RY	Weather Conditions:	SUNNY
Originator :	Alan Gavin		

Location: 21 Block B Basement



Maximum Applied Pressure (kPa) :	444
Maximum deformation (mm) :	2.1
Modulus of subgrade reaction K (MN/m³) :	204.1
K₇₆₂ (MN/m³) :	127.1
Calculated Equivalent CBR (%) :	43
Moisture Content (%) :	N/A

Material Type	
6F2	
Plate Diameter (mm)	
450	
Technician	
AM	
Depth	
Type of Reaction Load	
15 TON EXC	
Bearing Pressure (kN/m²)	Plate Settlement (mm)
0.0	0.00
105.0	0.38
178.0	0.84
253.0	1.23
346.0	1.90
444.0	2.05
0.0	1.86
-	-
-	-
-	-
-	-
-	-
-	-
-	-

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Incremental Plate Load - Tested in accordance with BS 1377 : Part 9 Cl. 4.1.6.4.2: 1990

Moisture Content - Tested in accordance with BS 1377: Part 2 : 1990, oven drying method

Values K₇₆₂, K and CBR(%) calculated in accordance with Interim Advice Note 73/06 (Withdrawn)

M. Harris

Approved Signature
CMTL Limited
Matthew Harris, Operations lead

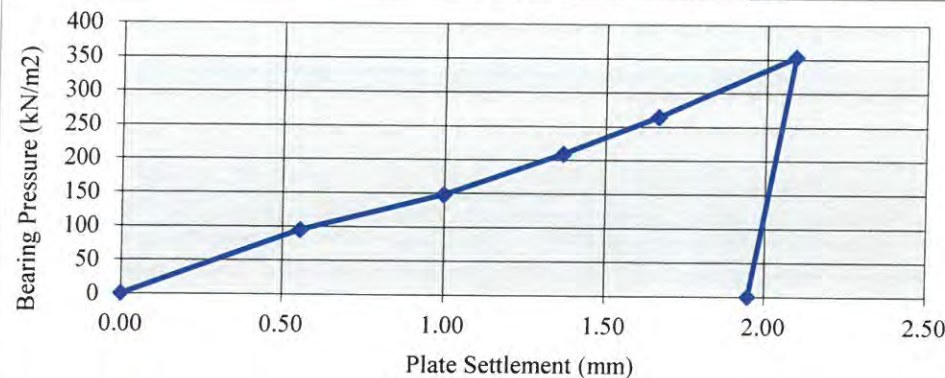
RS84B Issue 3 Feb 22



LABORATORY TEST REPORT
DETERMINATION OF PLATE BEARING CAPACITY

Project :	Hayes Village	Job No.	ORD-67243/6
Client :	Henry Construction Projects	Lab Ref No	ORD-67243/6
	Parkway Farm	Date Tested	19/05/22
	Church Road	Date Reported	19/05/22
	Hounslow, TW5 9RY	Weather Conditions:	SUNNY
Originator :	Alan Gavin		

Location: 21 Block B Basement



Maximum Applied Pressure (kPa) :	353
Maximum deformation (mm) :	2.1
Modulus of subgrade reaction K (MN/m³) :	151.3
K₇₆₂ (MN/m³) :	94.2
Calculated Equivalent CBR (%) :	25
Moisture Content (%) :	N/A

Material Type Sandy Ballast	
Plate Diameter (mm) 450	
Technician AM	
Depth	
Type of Reaction Load 15 TON EXC	
Bearing Pressure (kN/m²)	Plate Settlement (mm)
0.0	0.00
95.0	0.55
148.0	1.00
209.0	1.37
264.0	1.67
353.0	2.09
0.0	1.95
-	-
-	-
-	-
-	-
-	-
-	-
-	-

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Incremental Plate Load - Tested in accordance with BS 1377 : Part 9 Cl. 4.1.6.4.2: 1990

Moisture Content - Tested in accordance with BS 1377: Part 2 : 1990, oven drying method

Values K₇₆₂, K and CBR(%) calculated in accordance with Interim Advice Note 73/06 (Withdrawn)

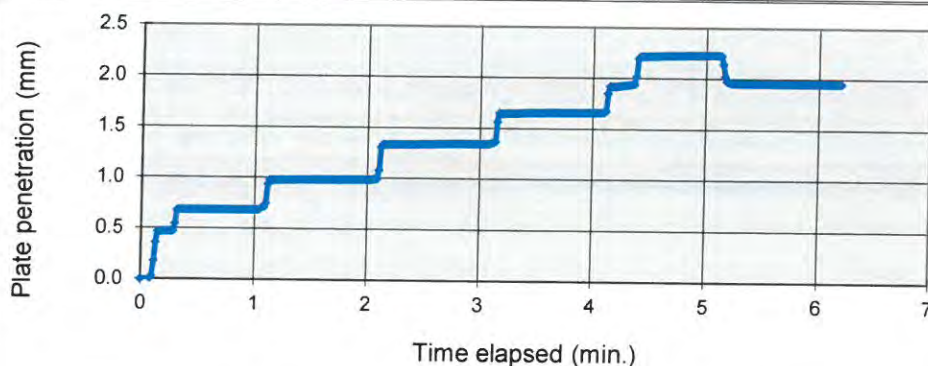
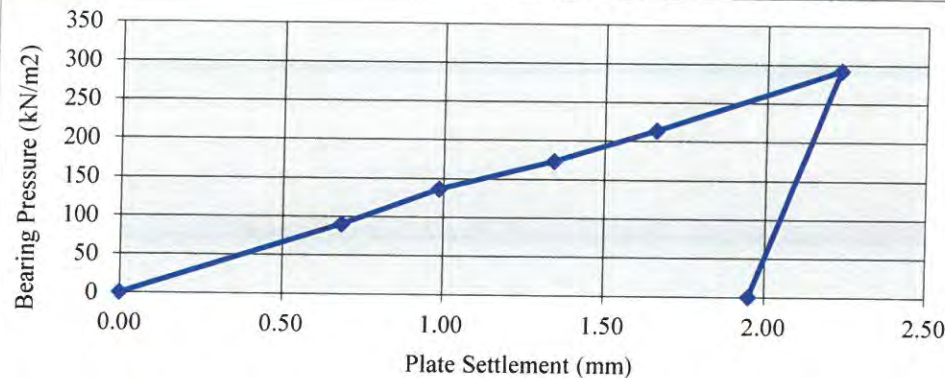
M Harris
Approved Signature
CMTL Limited
Matthew Harris, Operations lead
RS84B Issue 3 Feb 22



LABORATORY TEST REPORT
DETERMINATION OF PLATE BEARING CAPACITY

Project :	Hayes Village	Job No.	ORD-67243/7
Client :	Henry Construction Projects	Lab Ref No	ORD-67243/7
	Parkway Farm	Date Tested	19/05/22
	Church Road	Date Reported	19/05/22
	Hounslow, TW5 9RY	Weather Conditions:	SUNNY
Originator :	Alan Gavin		

Location: 26 Block B Basement



Maximum Applied Pressure (kPa) :	292
Maximum deformation (mm) :	2.2
Modulus of subgrade reaction K (MN/m³) :	130.6
K₇₆₂ (MN/m³) :	81.4
Calculated Equivalent CBR (%) :	20
Moisture Content (%) :	N/A

Material Type Sandy Ballast	
Plate Diameter (mm) 450	
Technician AM	
Depth	
Type of Reaction Load 15 TON EXC	
Bearing Pressure (kN/m²)	Plate Settlement (mm)
0.0	0.00
90.0	0.68
136.0	0.99
173.0	1.34
214.0	1.66
292.0	2.23
0.0	1.95
-	-
-	-
-	-
-	-
-	-
-	-
-	-

The stated result only relates to the item/location tested, this report shall not be reproduced except in full.

Incremental Plate Load - Tested in accordance with BS 1377 : Part 9 Cl. 4.1.6.4.2: 1990

Moisture Content - Tested in accordance with BS 1377: Part 2 : 1990, oven drying method

Values K₇₆₂, K and CBR(%) calculated in accordance with Interim Advice Note 73/06 (Withdrawn)

Approved Signature
CMTL Limited
Matthew Harris, Operations lead

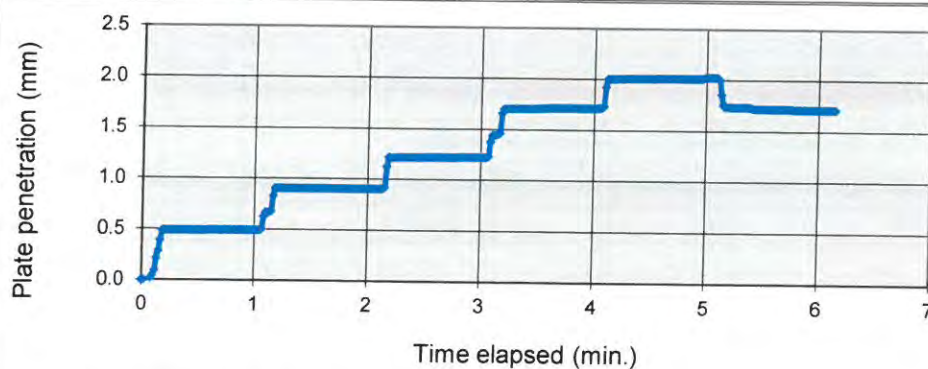
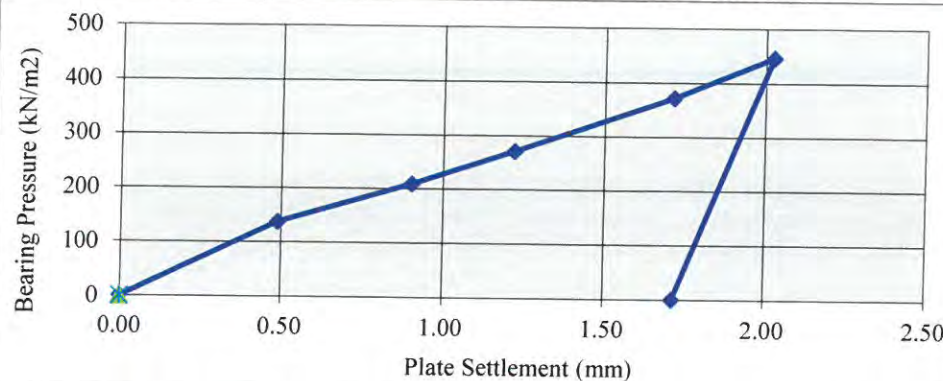
RS84B Issue 3 Feb 22



LABORATORY TEST REPORT
DETERMINATION OF PLATE BEARING CAPACITY

Project :	Hayes Village	Job No.	ORD-67243/6
Client :	Henry Construction Projects	Lab Ref No	ORD-67243/6
	Parkway Farm	Date Tested	23/05/22
	Church Road	Date Reported	23/05/22
	Hounslow, TW5 9RY	Weather Conditions:	SUNNY
Originator :	Alan Gavin		

Location: 26 Block B Basement



Material Type	
6F2	
Plate Diameter (mm)	
450	
Technician	
AM	
Depth	
Type of Reaction Load	
15 TON EXC	
Bearing Pressure (kN/m²)	Plate Settlement (mm)
0.0	0.00
137.0	0.49
209.0	0.90
271.0	1.22
371.0	1.71
446.0	2.03
0.0	1.72
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-

Maximum Applied Pressure (kPa) : 446
Maximum deformation (mm) : 2.0
Modulus of subgrade reaction K (MN/m³) : 221.2
K₇₆₂ (MN/m³) : 137.8
Calculated Equivalent CBR (%) : 49
Moisture Content (%) : N/A

The stated result only relates to the item/location tested, this report shall not be reproduced except in full.

Incremental Plate Load - Tested in accordance with BS 1377 : Part 9 Cl. 4.1.6.4.2: 1990

Moisture Content - Tested in accordance with BS 1377: Part 2 : 1990, oven drying method

Values K₇₆₂, K and CBR(%) calculated in accordance with Interim Advice Note 73/06 (Withdrawn)

Approved Signature
CMTL Limited
Matthew Harris, Operations lead

RS84B Issue 3 Feb 22

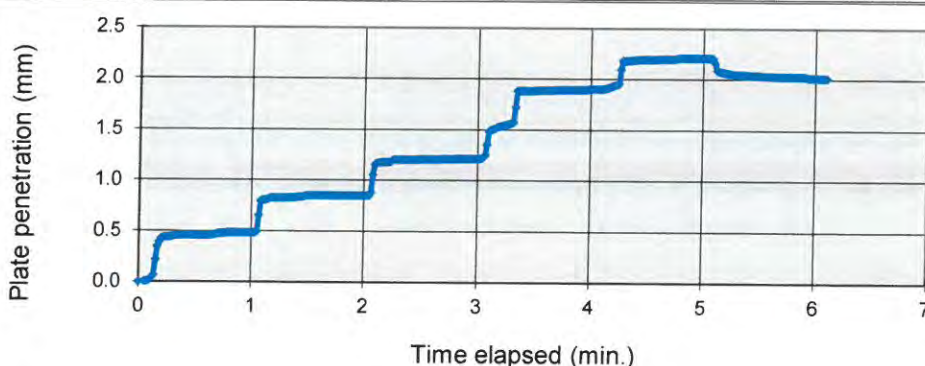
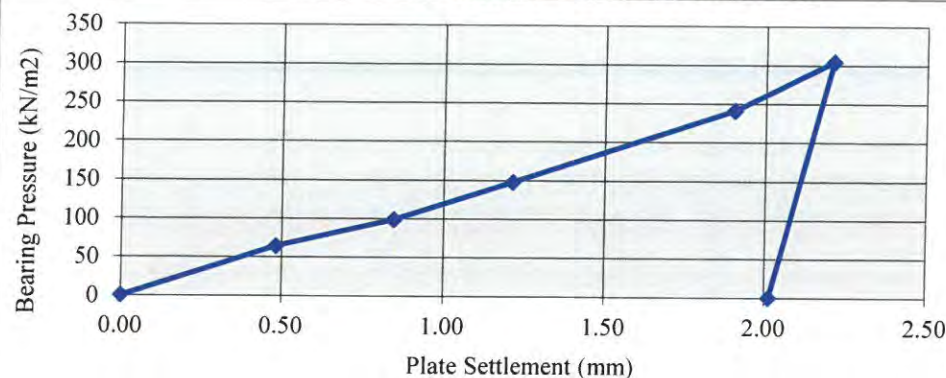




LABORATORY TEST REPORT
DETERMINATION OF PLATE BEARING CAPACITY

Project :	Nestles Ave	Job No.	ORD-51218/4
Client :	Henry Construction Projects Ltd	Lab Ref No	ORD-51218/4
	Parkway Farm	Date Tested	03/06/22
	Church Road	Date Reported	03/06/22
	Hounslow, TW5 9RY	Weather Conditions:	SUNNY
Originator :	Alan		

Location : 35 BLOCK B BASEMENT



Material Type Sandy Ballast	
Plate Diameter (mm) 450	
Technician AM	
Depth	
Type of Reaction Load 35 BLOCK B BASEMENT	
Bearing Pressure (kN/m²)	Plate Settlement (mm)
0.0	0.00
64.2	0.48
98.9	0.85
147.6	1.21
241.1	1.90
304.2	2.21
0.0	2.01

Maximum Applied Pressure (kPa) : 304
Maximum deformation (mm) : 2.2
Modulus of subgrade reaction K (MN/m³) : 122.0
K₇₆₂ (MN/m³) : 76.0
Calculated Equivalent CBR (%) : 18.0
Moisture Content (%) : N/A

The stated result only relates to the item/location tested, this report shall not be reproduced except in full.

Plate Load - Tested in accordance with BS 1377 : Part 9 Cl. 4.1: 1990

Moisture Content - Tested in accordance with BS 1377: Part 2 : 1990, oven drying method

Values K₇₆₂, K and CBR(%) calculated in accordance with Interim Advice Note 73/06 (Draft HD25)

M. Harris

Approved Signature
James Fisher Testing Services
Matthew Harris, Team Leader

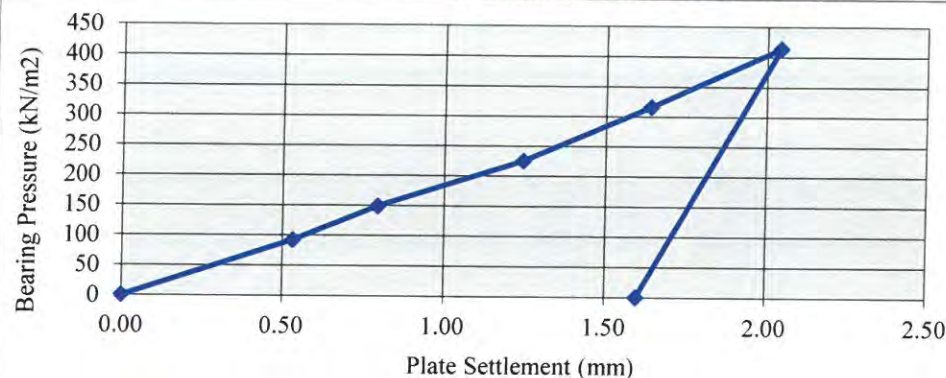




LABORATORY TEST REPORT
DETERMINATION OF PLATE BEARING CAPACITY

Project :	Nestles Ave	Job No.	ORD-51218/9
Client :	Henry Construction Projects Ltd	Lab Ref No	ORD-51218/9
	Parkway Farm	Date Tested	06/06/22
	Church Road	Date Reported	06/06/22
	Hounslow, TW5 9RY	Weather Conditions:	SUNNY
Originator :	Alan		

Location : 35 BLOCK B BASEMENT



Material Type	
6F5	
Plate Diameter (mm)	
450	
Technician	
AM	
Depth	
35 BLOCK B BASEMENT	
Type of Reaction Load	
35 BLOCK B BASEMENT	
Bearing Pressure (kN/m²)	Plate Settlement (mm)
0.0	0.00
92.0	0.53
149.1	0.80
225.5	1.25
316.1	1.64
413.7	2.04
0.0	1.60

Maximum Applied Pressure (kPa) : 414
Maximum deformation (mm) : 2.0
Modulus of subgrade reaction K (MN/m³) : 181.2
K₇₆₂ (MN/m³) : 112.9
Calculated Equivalent CBR (%) : 35.0
Moisture Content (%) : N/A

The stated result only relates to the item/location tested, this report shall not be reproduced except in full.

Plate Load - Tested in accordance with BS 1377 : Part 9 Cl. 4.1: 1990

Moisture Content - Tested in accordance with BS 1377: Part 2 : 1990, oven drying method

Values K₇₆₂, K and CBR(%) calculated in accordance with Interim Advice Note 73/06 (Draft HD25)

M. Harris

Approved Signature
James Fisher Testing Services
Matthew Harris, Team Leader

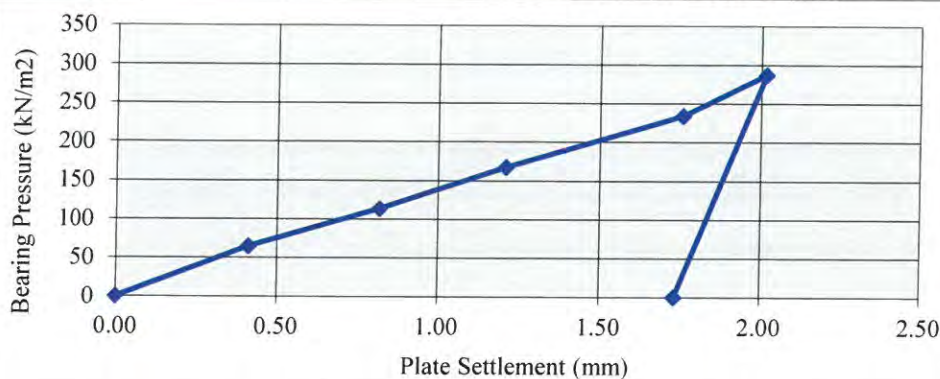




LABORATORY TEST REPORT
DETERMINATION OF PLATE BEARING CAPACITY

Project :	Nestles Ave	Job No.	ORD-51218/12
Client :	Henry Construction Projects Ltd	Lab Ref No	ORD-51218/12
	Parkway Farm	Date Tested	03/06/22
	Church Road	Date Reported	03/06/22
	Hounslow, TW5 9RY	Weather Conditions:	SUNNY
Originator :	Alan		

Location : 46 BLOCK B BASEMENT



Material Type SANDY BALLAST	
Plate Diameter (mm) 450	
Technician AM	
Depth	
Type of Reaction Load 46 BLOCK B BASEMENT	
Bearing Pressure (kN/m²)	Plate Settlement (mm)
0.0	0.00
65.0	0.41
113.4	0.82
167.6	1.21
234.0	1.76
287.1	2.02
0.0	1.73

Maximum Applied Pressure (kPa) : 287
Maximum deformation (mm) : 2.0
Modulus of subgrade reaction K (MN/m³) : 137.9
K₇₆₂ (MN/m³) : 85.9
Calculated Equivalent CBR (%) : 22.0
Moisture Content (%) : N/A

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Plate Load - Tested in accordance with BS 1377 : Part 9 Cl. 4.1: 1990

Moisture Content - Tested in accordance with BS 1377: Part 2 : 1990, oven drying method

Values K₇₆₂, K and CBR(%) calculated in accordance with Interim Advice Note 73/06 (Draft HD25)

M. Harris

Approved Signature
James Fisher Testing Services
Matthew Harris, Team Leader

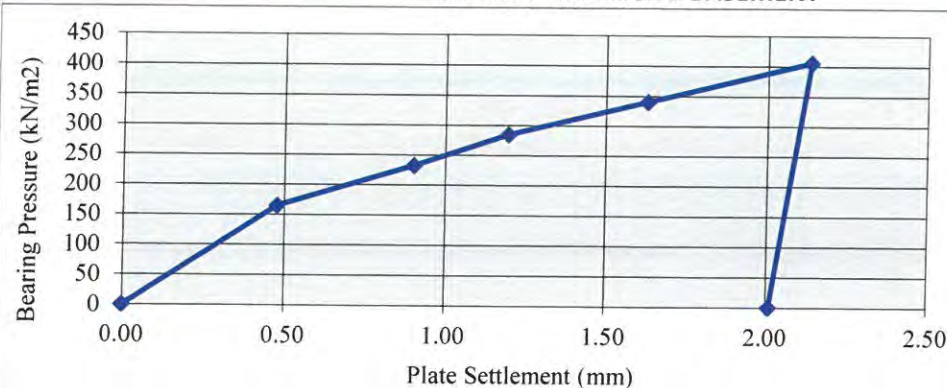




LABORATORY TEST REPORT
DETERMINATION OF PLATE BEARING CAPACITY

Project :	Nestles Ave	Job No.	ORD-51218/9
Client :	Henry Construction Projects Ltd	Lab Ref No	ORD-51218/9
	Parkway Farm	Date Tested	06/06/22
	Church Road	Date Reported	06/06/22
	Hounslow, TW5 9RY	Weather Conditions:	SUNNY
Originator :	Alan		

Location : 46 BLOCK B BASEMENT



Material Type	
6F2	
Plate Diameter (mm)	
450	
Technician	
AM	
Depth	
5 BLOCK B BASEMENT	
Type of Reaction Load	
5 BLOCK B BASEMENT	
Bearing Pressure (kN/m²)	Plate Settlement (mm)
0.0	0.00
164.6	0.48
232.5	0.90
284.8	1.20
340.4	1.63
405.8	2.13
0.0	2.01

Maximum Applied Pressure (kPa) :	406
Maximum deformation (mm) :	2.1
Modulus of subgrade reaction K (MN/m³) :	233.4
K₇₆₂ (MN/m³) :	145.4
Calculated Equivalent CBR (%) :	54.0
Moisture Content (%) :	N/A

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Plate Load - Tested in accordance with BS 1377 : Part 9 Cl. 4.1: 1990

Moisture Content - Tested in accordance with BS 1377: Part 2 : 1990, oven drying method

Values K₇₆₂, K and CBR(%) calculated in accordance with Interim Advice Note 73/06 (Draft HD25)

M. Harris

Approved Signature
James Fisher Testing Services
Matthew Harris, Team Leader

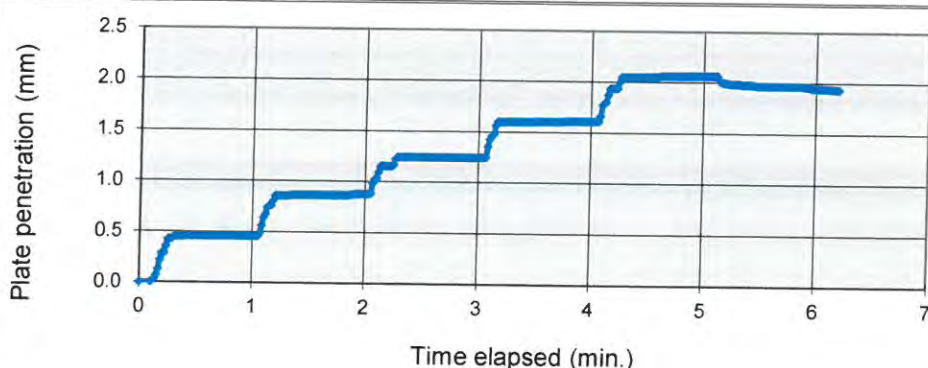
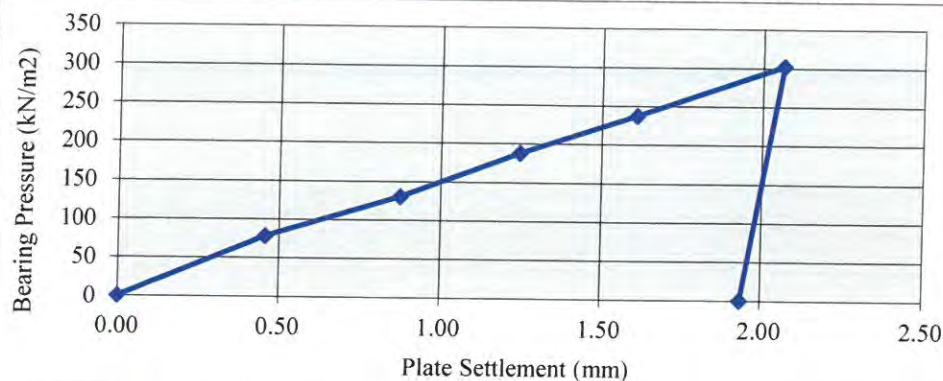




LABORATORY TEST REPORT
DETERMINATION OF PLATE BEARING CAPACITY

Project :	Nestles Ave	Job No.	ORD-51218/6
Client :	Henry Construction Projects Ltd	Lab Ref No	ORD-51218/6
	Parkway Farm	Date Tested	03/06/22
	Church Road	Date Reported	03/06/22
	Hounslow, TW5 9RY	Weather Conditions:	SUNNY
Originator :	Alan		

Location : 42 BLOCK B BASEMENT



Material Type SANDY BALLAST	
Plate Diameter (mm) 450	
Technician AM	
Depth	
Type of Reaction Load 42 BLOCK B BASEMENT	
Bearing Pressure (kN/m²)	Plate Settlement (mm)
0.0	0.00
78.0	0.46
130.1	0.88
188.1	1.25
237.4	1.61
302.4	2.06
0.0	1.94

Maximum Applied Pressure (kPa) : 302
Maximum deformation (mm) : 2.1
Modulus of subgrade reaction K (MN/m³) : 151.0
K₇₆₂ (MN/m³) : 94.1
Calculated Equivalent CBR (%) : 25.0
Moisture Content (%) : N/A

The stated result only relates to the item/location tested, this report shall not be reproduced except in full.

Plate Load - Tested in accordance with BS 1377 : Part 9 Cl. 4.1: 1990

Moisture Content - Tested in accordance with BS 1377: Part 2 : 1990, oven drying method

Values K₇₆₂, K and CBR(%) calculated in accordance with Interim Advice Note 73/06 (Draft HD25)

M Harris

Approved Signature
James Fisher Testing Services
Matthew Harris, Team Leader

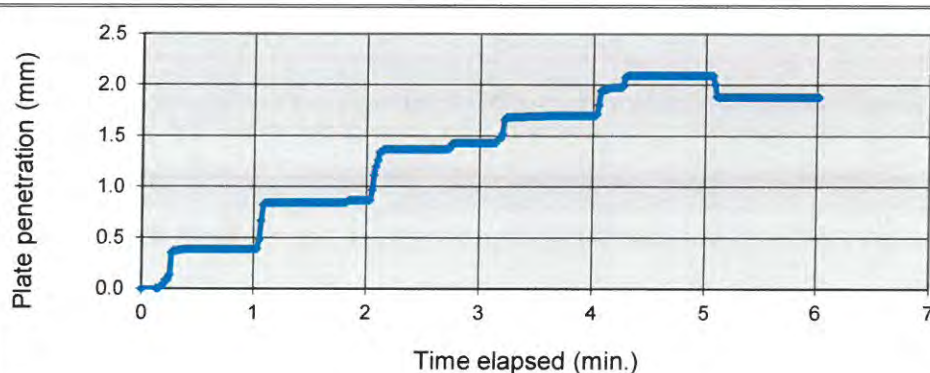
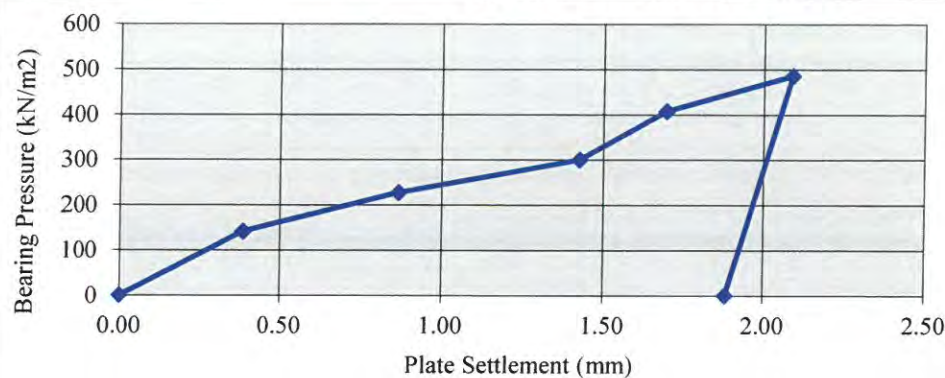




LABORATORY TEST REPORT
DETERMINATION OF PLATE BEARING CAPACITY

Project :	Nestles Ave	Job No.	ORD-51218/3
Client :	Henry Construction Projects Ltd	Lab Ref No	ORD-51218/3
	Parkway Farm	Date Tested	06/06/22
	Church Road	Date Reported	06/06/22
	Hounslow, TW5 9RY	Weather Conditions:	SUNNY
Originator :	Alan		

Location : 42 Block B Basement



Material Type TYPE 1	
Plate Diameter (mm) 450	
Technician AM	
Depth	
Type of Reaction Load 42 Block B Basement	
Bearing Pressure (kN/m²)	Plate Settlement (mm)
0.0	0.00
141.4	0.39
227.7	0.87
300.2	1.43
407.8	1.70
485.9	2.09
0.0	1.88

Maximum Applied Pressure (kPa) :	486
Maximum deformation (mm) :	2.1
Modulus of subgrade reaction K (MN/m³) :	221.8
K ₇₆₂ (MN/m³) :	138.2
Calculated Equivalent CBR (%) :	49.0
Moisture Content (%) :	N/A

The stated result only relates to the item/location tested, this report shall not be reproduced except in full.

Plate Load - Tested in accordance with BS 1377 : Part 9 Cl. 4.1: 1990

Moisture Content - Tested in accordance with BS 1377: Part 2 : 1990, oven drying method

Values K₇₆₂, K and CBR(%) calculated in accordance with Interim Advice Note 73/06 (Draft HD25)

M. Harris

Approved Signature
James Fisher Testing Services
Matthew Harris, Team Leader





SOCOTEC

Determination of Surface Stiffness Modulus
Dynamic Plate Test - MiniDyn LWD

TEST REPORT

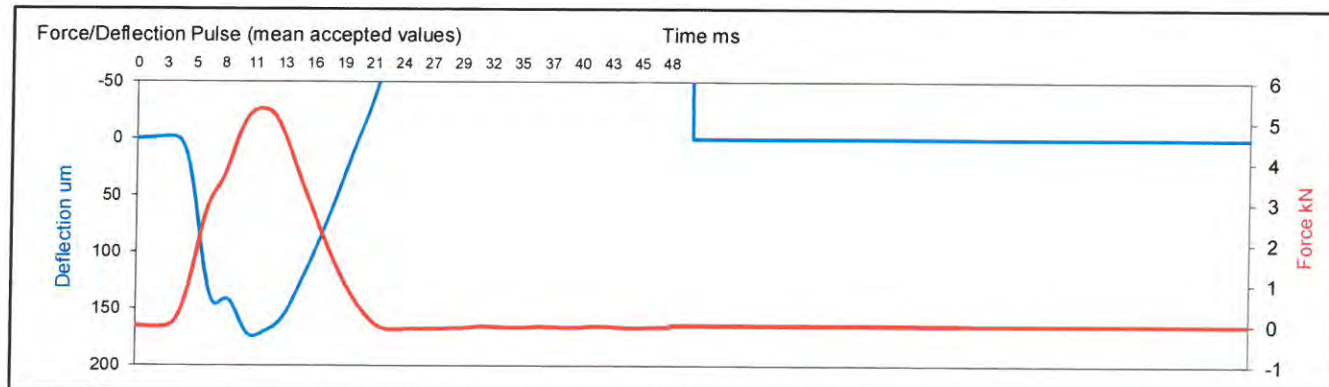
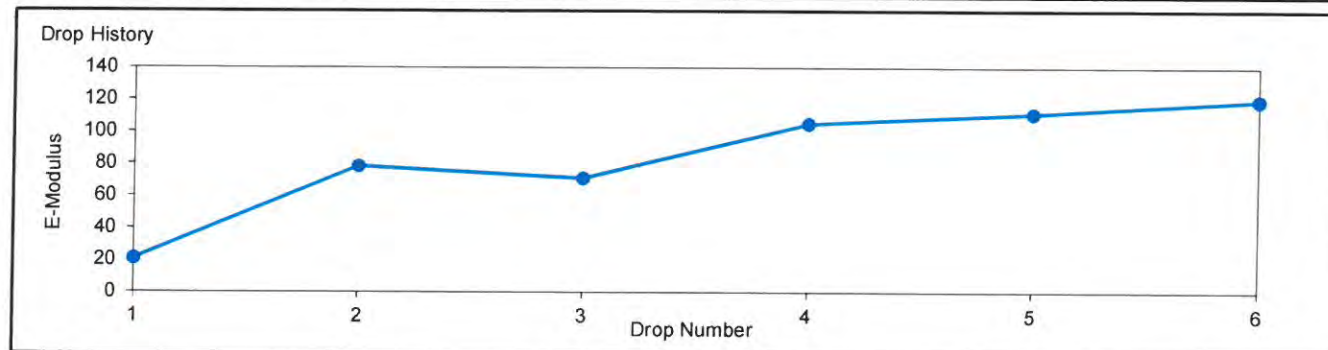
Client: HENRY CONSTRUCTION PROJECTS LTD
Site: Nestles Avenue, Hayes, UB3 4QF
Date of Test: 24/06/2022
Description material: Crushed Rock
Plate diameter (mm): 300
Test location: 36 Block B

Test No. 1
Contract No. 51065462-M14

Test Method: Design Guidance for Road Pavement Foundations IAN73/06 (Draft HD25/06). Poisson ratio 0.35

Remarks: 0

Drop No	Deflection μm	Peak Load kN	Peak Stress kPa	Pulse duration ms	E-modulus MPa	Status	Remarks
1	1310.7	5.7	80.6	17.1	21	Seating drop	
2	356.9	7.2	101.9	15.9	78	Seating drop	
3	386.2	7.0	99.0	16.0	71	Seating drop	
4	191.1	5.4	76.4	16.9	105	Accepted	
5	187.1	5.7	80.6	16.7	111	Accepted	
6	148.5	4.9	69.3	16.9	119	Accepted	



Mean Surface Modulus (E) 111.8 MPa

Estimated CBR : 18%

Determination of Surface Stiffness Modulus

Dynamic Plate Test - MiniDyn LWD

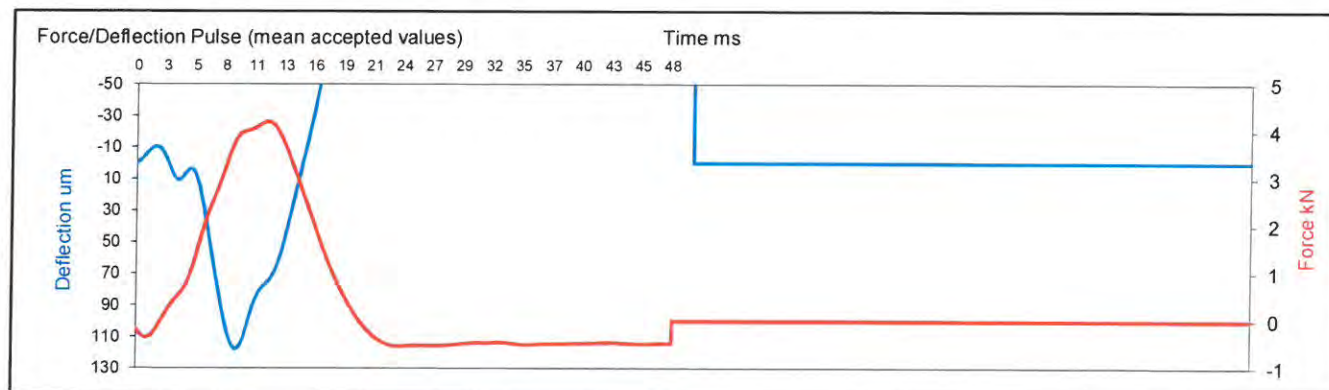
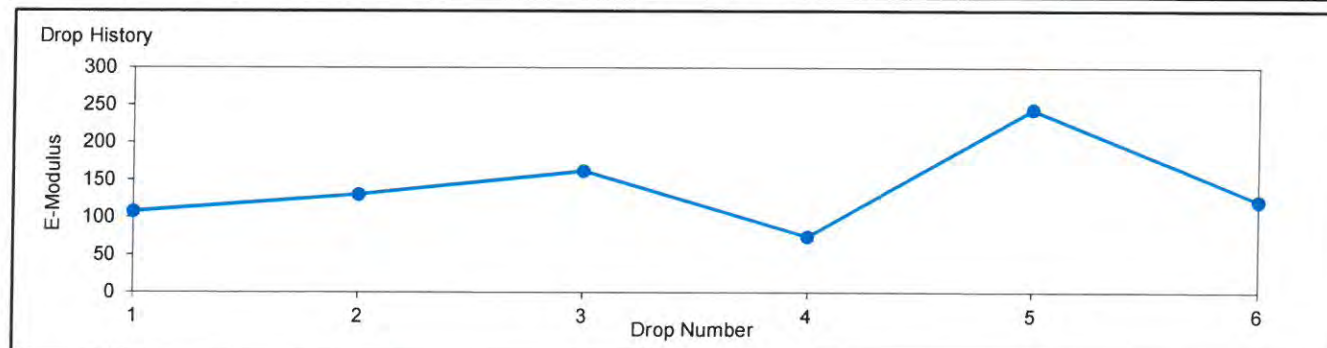
Client: HENRY CONSTRUCTION PROJECTS LTD
Site: Nestles Avenue, Hayes, UB3 4QF
Date of Test: 28/06/2022
Description material: Crushed Rock
Plate diameter (mm): 300
Test location: 36 Block B

Test No. 1
Contract No. 51065462-M14

Test Method: Design Guidance for Road Pavement Foundations IAN73/06 (Draft HD25/06). Poisson ratio 0.35

Remarks: 0

Drop No	Deflection μm	Peak Load kN	Peak Stress kPa	Pulse duration ms	E-modulus MPa	Status	Remarks
1	171.7	5.0	70.7	16.9	108	Seating drop	
2	121.4	4.5	63.7	16.7	131	Seating drop	
3	95.1	4.5	63.7	16.7	162	Seating drop	
4	329.0	6.3	89.1	16.6	74	Accepted	
5	33.5	2.5	35.4	12.7	244	Accepted	
6	146.4	4.9	69.3	16.9	122	Accepted	



Mean Surface Modulus (E) 146.5 MPa

Estimated CBR : 27%



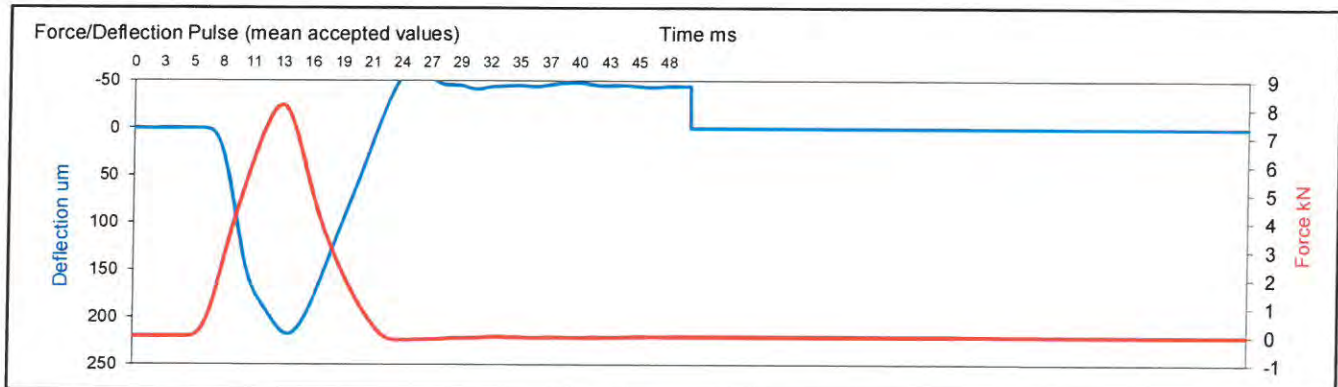
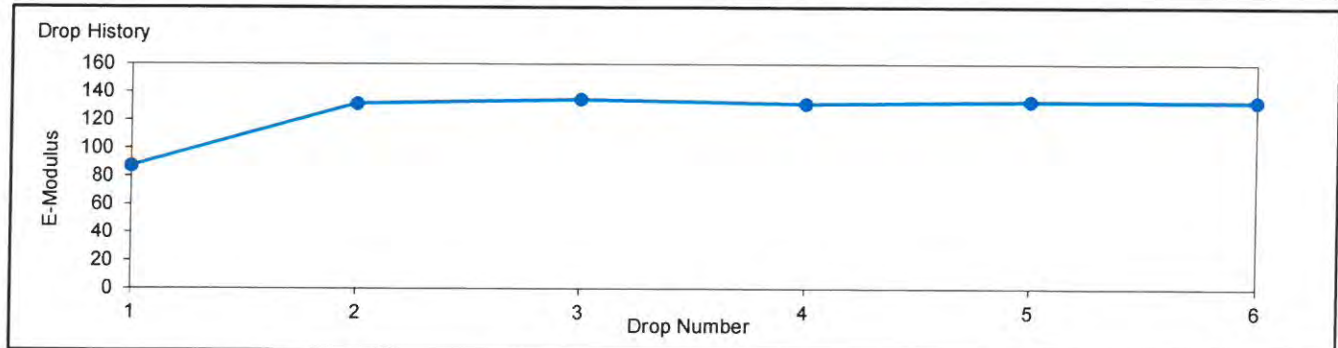
Determination of Surface Stiffness Modulus Dynamic Plate Test - MiniDyn LWD

Client: HENRY CONSTRUCTION PROJECTS LTD
Site: Nestles Avenue, Hayes, UB3 4QF
Date of Test: 24/06/2022
Description material: Crush Concrete with Fines
Plate diameter (mm): 300
Test location: 47 Block B

Test No. 1
Contract No. 51065462-M22

Test Method: Design Guidance for Road Pavement Foundations IAN73/06 (Draft HD25/06). Poisson ratio 0.35
Remarks: 0

Drop No	Deflection μm	Peak Load kN	Peak Stress kPa	Pulse duration ms	E-modulus MPa	Status	Remarks
1	327.6	7.5	106.1	15.9	87	Seating drop	
2	218.4	8.1	114.6	15.3	132	Seating drop	
3	220.6	8.4	118.8	15.1	135	Seating drop	
4	215.3	8.0	113.2	15.3	132	Accepted	
5	221.7	8.3	117.4	15.2	133	Accepted	
6	216.0	8.1	114.6	15.2	133	Accepted	



Mean Surface Modulus (E) 132.7 MPa

Estimated CBR : 23%



SOCOTEC

Determination of Surface Stiffness Modulus
Dynamic Plate Test - MiniDyn LWD

TEST REPORT

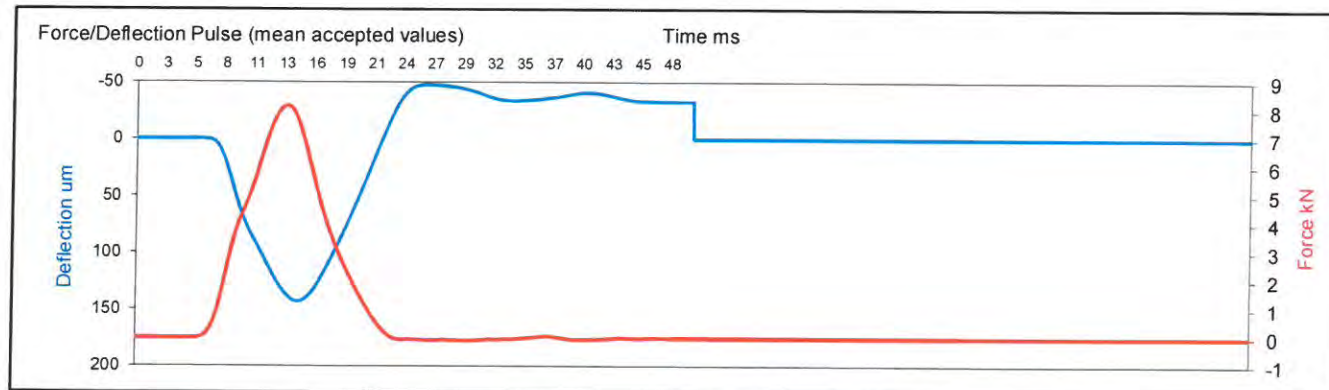
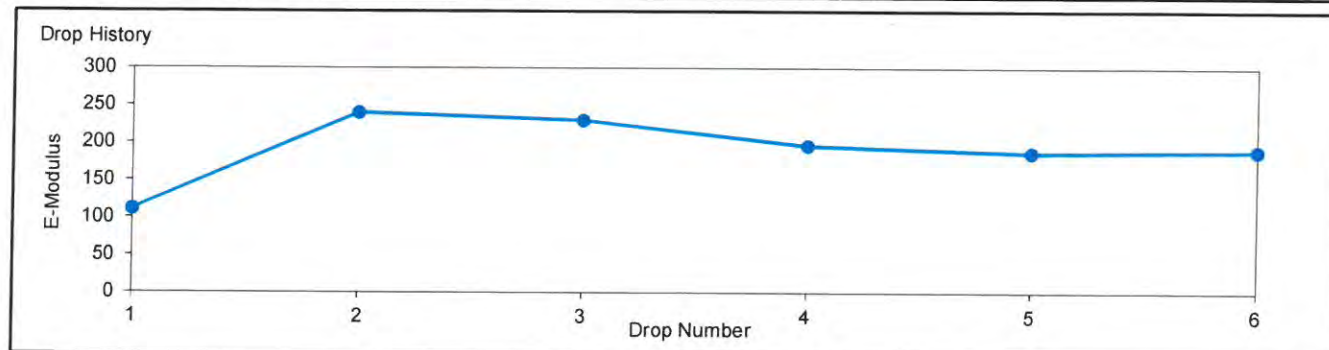
Client: HENRY CONSTRUCTION PROJECTS LTD
Site: Nestles Avenue, Hayes, UB3 4QF
Date of Test: 28/06/22
Description material: Crush Concrete with Fines
Plate diameter (mm): 300
Test location: 47 Block B

Test No. 1
Contract No. 51065462-M22

Test Method: Design Guidance for Road Pavement Foundations IAN73/06 (Draft HD25/06). Poisson ratio 0.35

Remarks: 0

Drop No	Deflection μm	Peak Load kN	Peak Stress kPa	Pulse duration ms	E-modulus MPa	Status	Remarks
1	256.3	7.8	110.3	15.5	111	Seating drop	
2	109.9	8.2	116.0	15.1	240	Seating drop	
3	115.8	8.2	116.0	15.0	230	Seating drop	
4	141.5	8.3	117.4	15.0	196	Accepted	
5	143.7	8.0	113.2	15.0	187	Accepted	
6	144.8	8.2	116.0	15.1	189	Accepted	



Mean Surface Modulus (E) 190.8 MPa

Estimated CBR : 41%



SOCOTEC

Determination of Surface Stiffness Modulus
Dynamic Plate Test - MiniDyn LWD

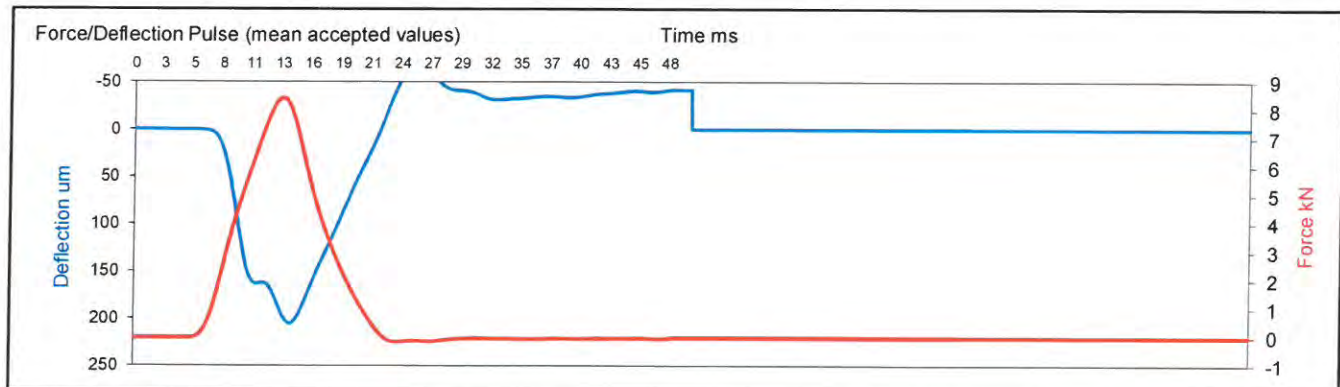
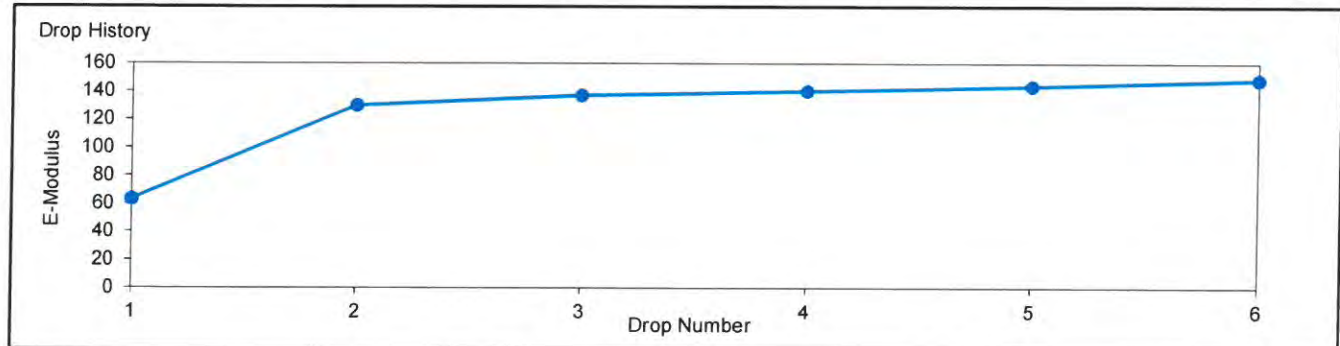
TEST REPORT

Client: HENRY CONSTRUCTION PROJECTS LTD
Site: Nestles Avenue, Hayes, UB3 4QF
Date of Test: 24/06/2022
Description material: Crush Concrete with Fines
Plate diameter (mm): 300
Test location: 43 Block B

Test No. 1
Contract No. 51065462-M22

Test Method: Design Guidance for Road Pavement Foundations IAN73/06 (Draft HD25/06). Poisson ratio 0.35
Remarks: 0

Drop No	Deflection μm	Peak Load kN	Peak Stress kPa	Pulse duration ms	E-modulus MPa	Status	Remarks
1	490.9	7.8	110.3	16.1	63	Seating drop	
2	226.7	8.3	117.4	15.1	130	Seating drop	
3	219.4	8.5	120.3	15.0	137	Seating drop	
4	211.7	8.4	118.8	15.0	140	Accepted	
5	206.2	8.5	120.3	15.1	144	Accepted	
6	197.9	8.4	118.8	15.1	148	Accepted	



Mean Surface Modulus (E) 143.9 MPa

Estimated CBR : 27%

Page 11 of 11
Date 24/08/2022

Signed:

For and on behalf of SOCOTEC UK

☐ M. Jaffer - Technical Manager

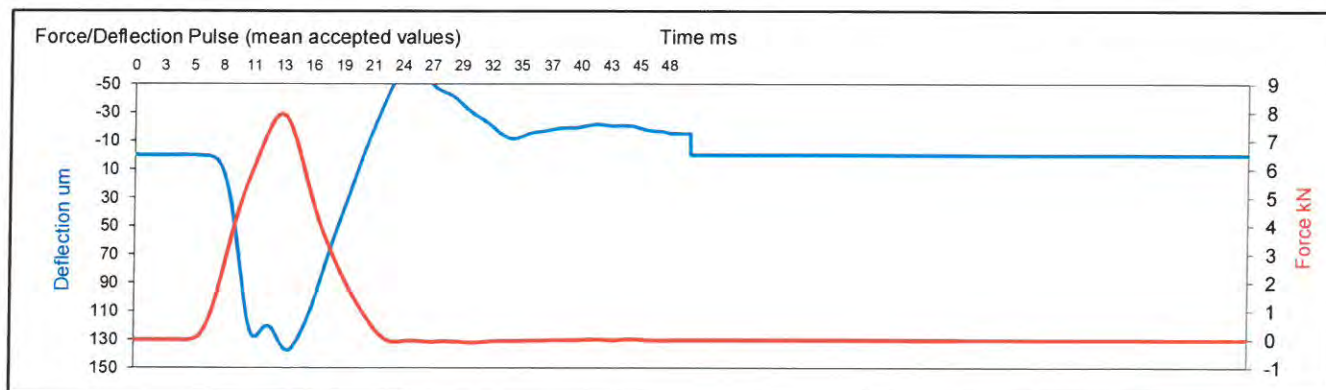
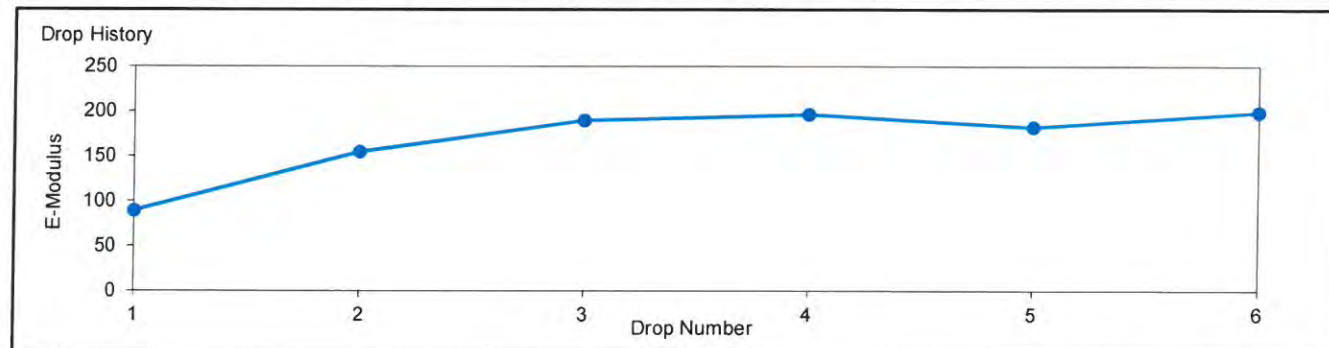
Determination of Surface Stiffness Modulus Dynamic Plate Test - MiniDyn LWD

Client: HENRY CONSTRUCTION PROJECTS LTD
Site: Nestles Avenue, Hayes, UB3 4QF
Date of Test: 28/06/2022
Description material: Crush Concrete with Fines
Plate diameter (mm): 300
Test location: 43 Block B

Test No. 1
Contract No. 51065462-M22

Test Method: Design Guidance for Road Pavement Foundations IAN73/06 (Draft HD25/06). Poisson ratio 0.35
Remarks: 0

Drop No	Deflection μm	Peak Load kN	Peak Stress kPa	Pulse duration ms	E-modulus MPa	Status	Remarks
1	291.6	6.9	97.6	16.1	89	Seating drop	
2	172.0	7.7	108.9	15.5	155	Seating drop	
3	144.9	8.2	116.0	15.2	189	Seating drop	
4	134.4	7.9	111.8	15.4	196	Accepted	
5	144.5	7.8	110.3	15.1	182	Accepted	
6	135.9	8.1	114.6	15.3	198	Accepted	



Mean Surface Modulus (E) 192.1 MPa

Estimated CBR : 42%



SOCOTEC

Determination of Surface Stiffness Modulus
Dynamic Plate Test - MiniDyn LWD

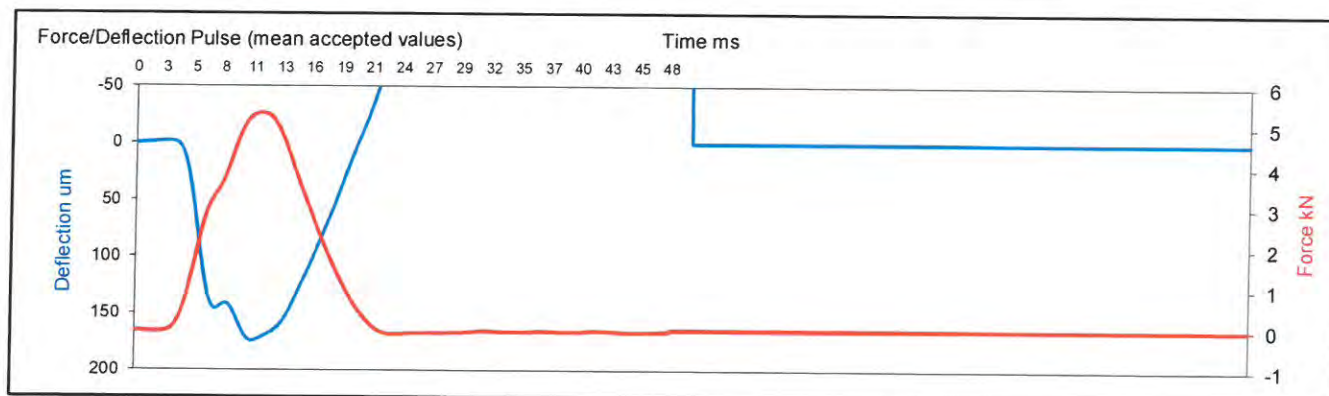
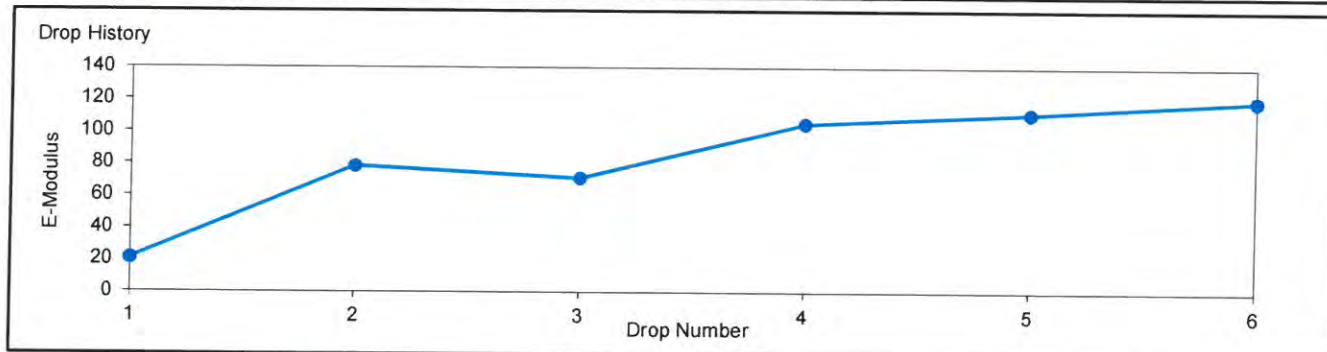
TEST REPORT

Client: HENRY CONSTRUCTION PROJECTS LTD
Site: Nestles Avenue, Hayes, UB3 4QF
Date of Test: 06/09/2022
Description material: Ballast
Plate diameter (mm): 300
Test location: 30 Block B

Test No. 1
Contract No. 51065462-M14

Test Method: Design Guidance for Road Pavement Foundations IAN73/06 (Draft HD25/06). Poisson ratio 0.35
Remarks: 0

Drop No	Deflection μm	Peak Load kN	Peak Stress kPa	Pulse duration ms	E-modulus MPa	Status	Remarks
1	1310.7	5.7	80.6	17.1	21	Seating drop	
2	356.9	7.2	101.9	15.9	78	Seating drop	
3	386.2	7.0	99.0	16.0	71	Seating drop	
4	191.1	5.4	76.4	16.9	105	Accepted	
5	187.1	5.7	80.6	16.7	111	Accepted	
6	148.5	4.9	69.3	16.9	119	Accepted	



Mean Surface Modulus (E) 111.8 MPa

Estimated CBR : 18%



SOCOTEC

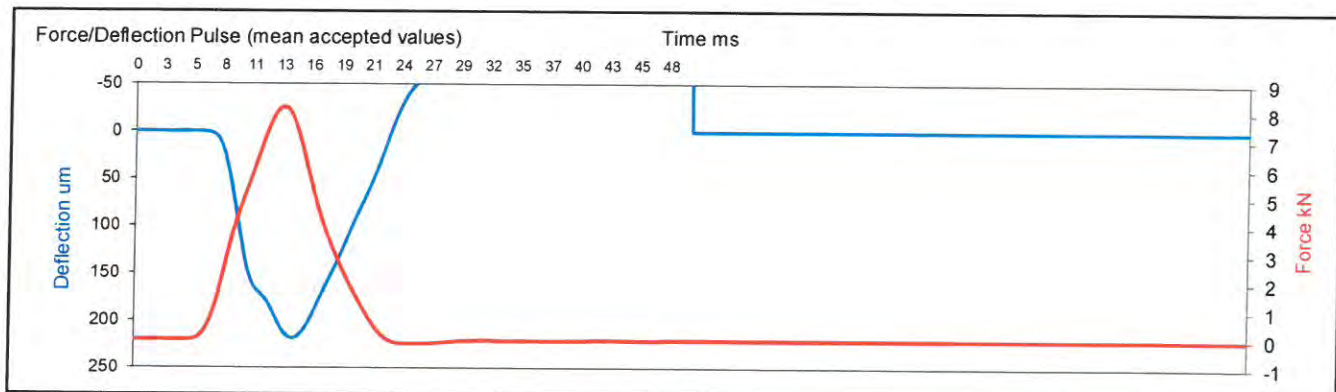
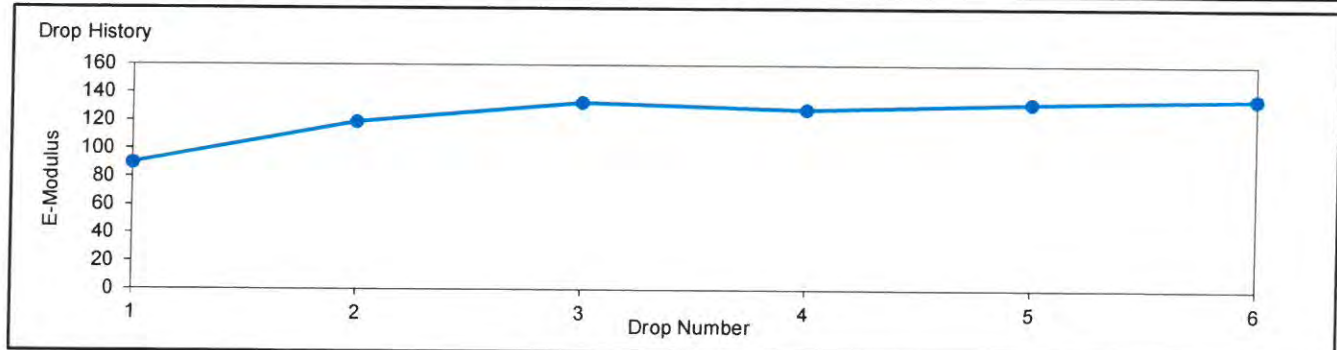
Determination of Surface Stiffness Modulus
Dynamic Plate Test - MiniDyn LWD

Client: HENRY CONSTRUCTION PROJECTS LTD
Site: Nestles Avenue, Hayes, UB3 4QF
Date of Test: 08/09/2022
Description material: Crush Concrete with Fines
Plate diameter (mm): 300
Test location: 30 Block B

Test No. 1
Contract No. 51065462-M22

Test Method: Design Guidance for Road Pavement Foundations IAN73/06 (Draft HD25/06). Poisson ratio 0.35
Remarks: 0

Drop No	Deflection μm	Peak Load kN	Peak Stress kPa	Pulse duration ms	E-modulus MPa	Status	Remarks
1	315.9	7.5	106.1	16.1	90	Seating drop	
2	243.8	8.0	113.2	15.3	119	Seating drop	
3	214.2	8.0	113.2	15.5	133	Seating drop	
4	225.1	8.1	114.6	15.3	128	Accepted	
5	224.6	8.4	118.8	15.2	133	Accepted	
6	213.5	8.2	116.0	15.3	136	Accepted	



Mean Surface Modulus (E) 132.3 MPa

Estimated CBR : 23%



Determination of Surface Stiffness Modulus Dynamic Plate Test - MiniDyn LWD

Client: HENRY CONSTRUCTION PROJECTS LTD

Test No. 4

Site: Nestles Avenue, Hayes, UB3 4QF

Contract No. 51065462-M14

Date of Test: 06/09/2022

Description material: Crushed Rock/Brick

Location: 37 Block B

Plate diameter (mm) 300

Test location:

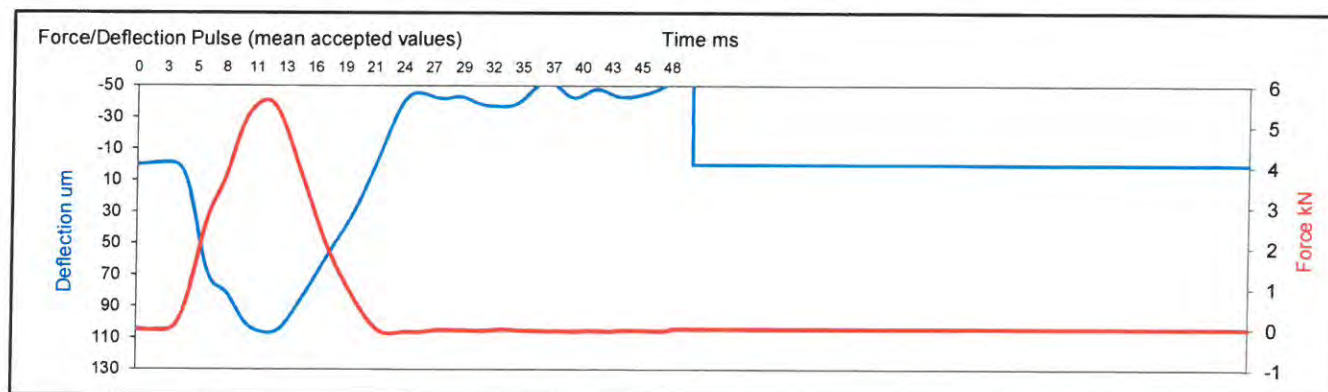
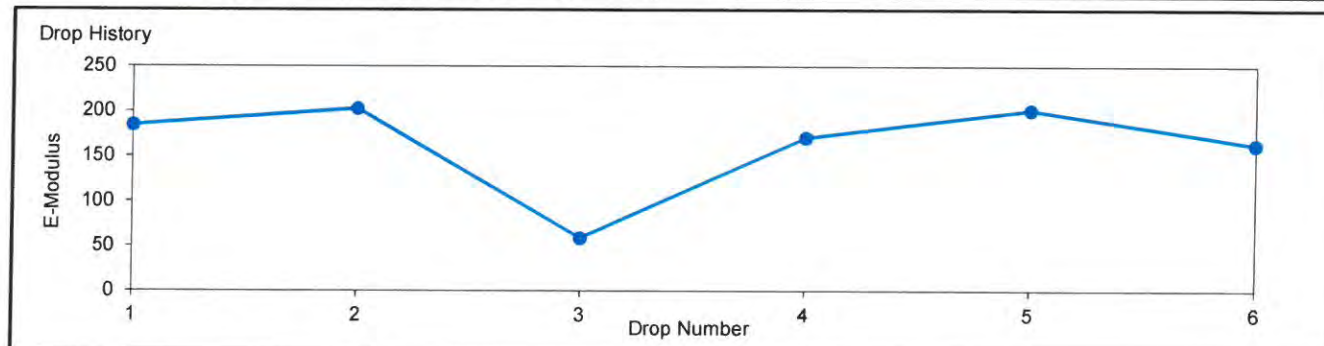
Co-Ordinates: Longitude -0.415825

Latitude 51.50184

Test Method: Design Guidance for Road Pavement Foundations IAN73/06 (Draft HD25/06). Poisson ratio 0.35

Remarks: 0

Drop No	Deflection μm	Peak Load kN	Peak Stress kPa	Pulse duration ms	E-modulus MPa	Status	Remarks
1	130.2	7.2	101.9	16.1	185	Seating drop	
2	85.3	5.2	73.6	17.1	203	Seating drop	
3	384.9	5.6	79.2	17.0	59	Seating drop	
4	124.6	6.3	89.1	16.7	171	Accepted	
5	90.4	5.5	77.8	16.8	201	Accepted	
6	110.6	5.2	73.6	16.9	163	Accepted	



Mean Surface Modulus (E) 178.3 MPa

Estimated CBR : 37%



Determination of Surface Stiffness Modulus Dynamic Plate Test - MiniDyn LWD

Client: HENRY CONSTRUCTION PROJECTS LTD

Test No. 3

Site: Nestles Avenue, Hayes, UB3 4QF

Contract No. 51065462-M14

Date of Test: 06/09/2022

Description material: Crushed Rock/Brick

Location: 31 Block B

Plate diameter (mm) 300

Test location:

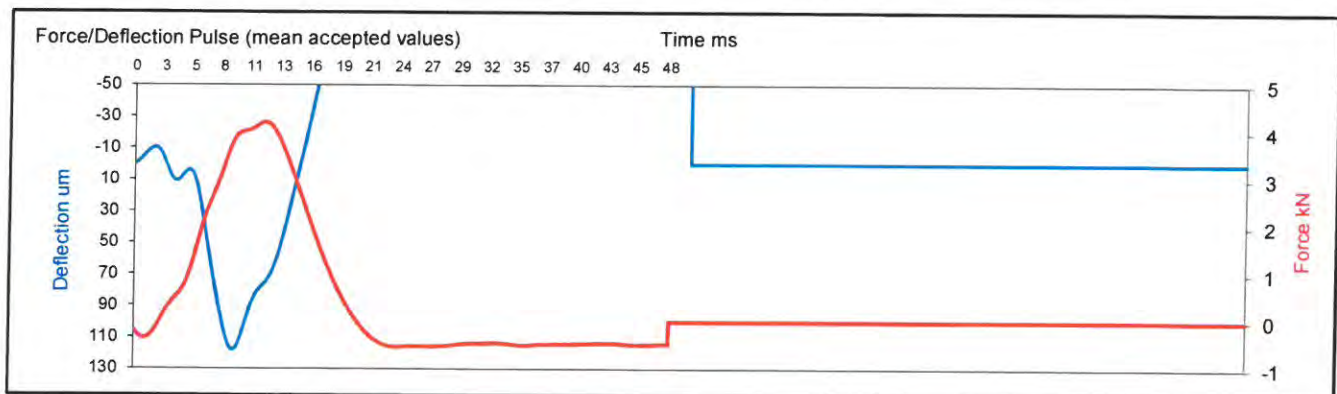
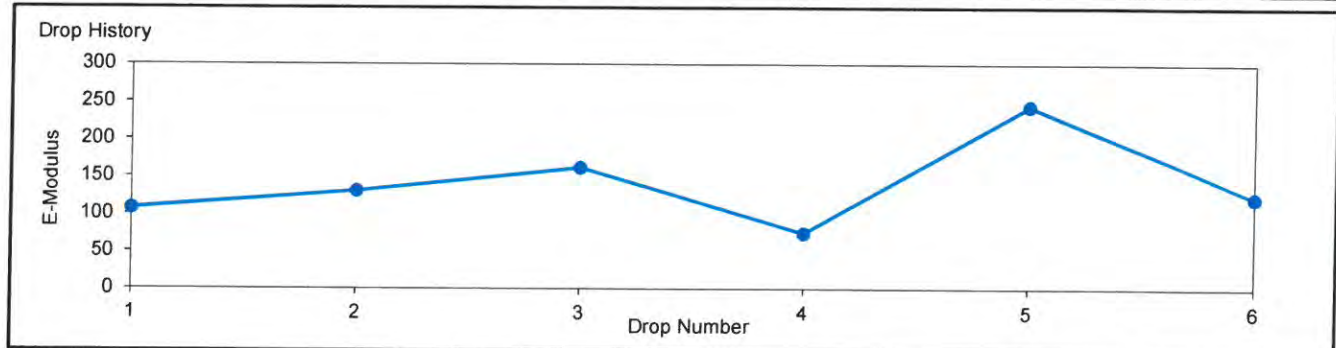
Co-Ordinates: Longitude -0.415864

Latitude 51.502043

Test Method: Design Guidance for Road Pavement Foundations IAN73/06 (Draft HD25/06). Poisson ratio 0.35

Remarks: 0

Drop No	Deflection μm	Peak Load kN	Peak Stress kPa	Pulse duration ms	E-modulus MPa	Status	Remarks
1	171.7	5.0	70.7	16.9	108	Seating drop	
2	121.4	4.5	63.7	16.7	131	Seating drop	
3	95.1	4.5	63.7	16.7	162	Seating drop	
4	329.0	6.3	89.1	16.6	74	Accepted	
5	33.5	2.5	35.4	12.7	244	Accepted	
6	146.4	4.9	69.3	16.9	122	Accepted	



Mean Surface Modulus (E) 146.5 MPa

Estimated CBR : 27%