Appendix 10-8: Airport Link Bridge, Trial Pit Record

TRIAL PIT RECORD

REPORT NUMBER 21431

CONTRACT	Dublin Airport Link Bridge	**TRIAL PIT NO.**	**TP1**
		SHEET	Sheet 1 of 1
LOGGED BY	I.Reder	**CO-ORDINATES**	
		DATE STARTED	05/12/2018
		DATE COMPLETED	05/12/2018
CLIENT	DAA	**GROUND LEVEL (m)**	
ENGINEER	OCSC	**EXCAVATION METHOD**	JCB

Geotechnical Description	Legend	Depth (m)	Elevation	Water Strike	Samples: Sample Ref	Samples: Type	Samples: Depth	Vane Test (KPa)	Hand Penetrometer (KPa)
TOPSOIL		0.20							
MADE GROUND (comprised of brown clayey sandy gravel, subrounded to rounded cobbles)		0.60			AA94479	B	0.50-0.50		
TP terminated - possible bedrock End of Trial Pit at 0.60m									

0.0
1.0
2.0
3.0
4.0

Groundwater Conditions
TP dry

Stability
TP stable

General Remarks
TP terminated at 0.6m due to possible rock

IGSL TP LOG 21431.GPJ IGSL.GDT 12/12/18

TRIAL PIT RECORD

REPORT NUMBER 21431

CONTRACT	Dublin Airport Link Bridge	**TRIAL PIT NO.**	**TP2**
		SHEET	Sheet 1 of 1
LOGGED BY	I.Reder	**CO-ORDINATES**	
		DATE STARTED	05/12/2018
		DATE COMPLETED	05/12/2018
CLIENT	DAA	**GROUND LEVEL (m)**	
ENGINEER	OCSC	**EXCAVATION METHOD**	JCB

Geotechnical Description	Legend	Depth (m)	Elevation	Water Strike	Samples: Sample Ref	Samples: Type	Samples: Depth	Vane Test (KPa)	Hand Penetrometer (KPa)
0.0 TOPSOIL									
MADE GROUND (comprised of reinforced concrete slab)		0.20							
Dense, brown, clayey sandy fine to coarse GRAVEL with medium subrounded to rounded cobbles content (possible fill)		0.70			AA94427	B	0.80-0.80		
1.0									
TP terminated - possible bedrock End of Trial Pit at 1.15m		1.15			AA94428	B	1.15-1.15		
2.0									
3.0									
4.0									

Groundwater Conditions
TP dry

Stability
TP stable

General Remarks
TP terminated at 1.15m due to possible rock

TRIAL PIT RECORD

REPORT NUMBER 21431

CONTRACT	Dublin Airport Link Bridge	**TRIAL PIT NO.**	**TP3**
		SHEET	Sheet 1 of 1
LOGGED BY	I.Reder	**CO-ORDINATES**	
		DATE STARTED	05/12/2018
		DATE COMPLETED	05/12/2018
CLIENT	DAA	**GROUND LEVEL (m)**	
ENGINEER	OCSC	**EXCAVATION METHOD**	JCB

Geotechnical Description	Legend	Depth (m)	Elevation	Water Strike	Samples: Sample Ref	Samples: Type	Samples: Depth	Vane Test (KPa)	Hand Penetrometer (KPa)
TARMAC		0.15		1 (Rapid)					
MADE GROUND (comprised of grey/brown angular coarse gravel with angular cobbles C.L.804)									
Stiff to very stiff, brownish grey to grey slightly sandy gravelly slightly silty CLAY with high cobbles and medium boulders content. Sand is fine to coarse, gravel is fine to coarse subangular to subrounded, cobbles and boulders are subangular to subrounded of limestone <0.3m diameter.		0.60			AA94423	B	0.70-0.70		
TP terminated due to big boulders End of Trial Pit at 1.70m		1.70			AA94424	B	1.70-1.70		

Groundwater Conditions
Rapid water flow at 0.2m

Stability
TP stable

General Remarks
DP3 done beside TP3 location

IGSL TP LOG 21431.GPJ IGSL.GDT 12/12/18

TRIAL PIT RECORD

REPORT NUMBER 21431

CONTRACT	Dublin Airport Link Bridge	**TRIAL PIT NO.**	**TP4**
		SHEET	Sheet 1 of 1
LOGGED BY	I.Reder	**CO-ORDINATES**	
		DATE STARTED	05/12/2018
		DATE COMPLETED	05/12/2018
CLIENT	DAA	**GROUND LEVEL (m)**	
ENGINEER	OCSC	**EXCAVATION METHOD**	JCB

Geotechnical Description	Legend	Depth (m)	Elevation	Water Strike	Samples: Sample Ref	Samples: Type	Samples: Depth	Vane Test (KPa)	Hand Penetrometer (KPa)
MADE GROUND (comprised of brown/grey angular fine to coarse gravel with angular cobbles C.L. 804)				1 (Slow)					
Stiff, brown, slightly sandy gravelly CLAY with high cobbles content. Sand is fine to coarse, gravel is fine to coarse subangular to subrounded , cobbles are subangular to subrounded of various lithologies.		0.50			AA94425	B	0.80-0.80		
Very stiff, grey slightly sandy gravelly slightly silty CLAY with high cobbles and medium boulders content. Sand is fine to coarse, gravel is fine to coarse subangular to subrounded, cobbles and boulders are subangular to subrounded of limestone <0.35m diameter.		1.00							
End of Trial Pit at 1.70m		1.70			AA94426	B	1.70-1.70		

0.0 1.0 2.0 3.0 4.0

Groundwater Conditions
Slow water flow at 0.4m

Stability
TP stable

General Remarks
DP4 done beside TP4 location

IGSL TP LOG 21431.GPJ IGSL.GDT 12/12/18

Project Number: 21431
Site: Dublin Airport Link Bridge
Project Engineer: DAA/OCSC

TRIAL PIT PHOTOGRAPHY RECORD

TP 1



TP 1 – spoil



Project Number: 21431
Site: Dublin Airport Link Bridge
Project Engineer: DAA/OCSC

TRIAL PIT PHOTOGRAPHY RECORD

TP 2



TP 2 – spoil



Project Number: 21431
Site: Dublin Airport Link Bridge
Project Engineer: DAA/OCSC

TRIAL PIT PHOTOGRAPHY RECORD

TP 3



TP 3 – spoil



Project Number: 21431
Site: Dublin Airport Link Bridge
Project Engineer: DAA/OCSC

TRIAL PIT PHOTOGRAPHY RECORD

TP 4



TP 4 – spoil



DYNAMIC PROBE RECORD

REPORT NUMBER 21431

CONTRACT Dublin Airport Link Bridge

PROBE NO. **DP1**

SHEET Sheet 1 of 1

CO-ORDINATES

GROUND LEVEL (mOD)

HAMMER MASS (kg) 50

INCREMENT SIZE (mm) 100

FALL HEIGHT (mm) 500

DATE DRILLED 05/12/2018

CLIENT DAA

ENGINEER OCSC

PROBE TYPE DPH

Depth (m)	Geotechnical Description	Legend	Depth (m)	Elevation (mOD)	Water	Depth (m)	Probe Readings (Blows/Increment)
0.0	.					0.00	3
						0.10	5
						0.20	6
						0.30	10
						0.40	10
						0.50	25
	End of Probe at 0.60 m						
1.0							
2.0							
3.0							
4.0							

Graphic Probe Record

0 5 10 15 20 25

GROUNDWATER OBSERVATIONS

REMARKS

DP1 done beside TP1 location; Probe refusal at 0.6m due to possible bedrock

IGSL DP LOG 100MM INCREMENTS 21431.GPJ IGSL.GDT 12/12/18

DYNAMIC PROBE RECORD

REPORT NUMBER 21431

CONTRACT Dublin Airport Link Bridge

PROBE NO. DP3

SHEET Sheet 1 of 1

CO-ORDINATES

GROUND LEVEL (mOD)

HAMMER MASS (kg) 50

INCREMENT SIZE (mm) 100

FALL HEIGHT (mm) 500

DATE DRILLED 05/12/2018

CLIENT DAA

ENGINEER OCSC

PROBE TYPE DPH

Depth (m)	Geotechnical Description	Legend	Depth (m)	Elevation (mOD)	Water	Depth (m)	Probe Readings (Blows/Increment)	Graphic Probe Record
0.0	.					0.00	5	
						0.10	20	
						0.20	27	27
						0.30	23	
						0.40	26	26
						0.50	19	
						0.60	14	
						0.70	16	
						0.80	24	
						0.90	14	
1.0						1.00	17	
						1.10	27	27
						1.20	38	38
						1.30	37	37
						1.40	27	27
						1.50	19	
						1.60	27	27
						1.70	25	
						1.80	25	
						1.90	23	
2.0						2.00	30	30
						2.10	32	32
						2.20	50	50
	End of Probe at 2.30 m							
3.0								
4.0								

Graphic Probe Record: 0 5 10 15 20 25

GROUNDWATER OBSERVATIONS

REMARKS

DP3 done beside TP3 location

IGSL DP LOG 100MM INCREMENTS 21431.GPJ IGSL.GDT 12/12/18

DYNAMIC PROBE RECORD

REPORT NUMBER 21431

CONTRACT Dublin Airport Link Bridge

PROBE NO. DP4

SHEET Sheet 1 of 1

CO-ORDINATES

GROUND LEVEL (mOD)

HAMMER MASS (kg) 50

INCREMENT SIZE (mm) 100

FALL HEIGHT (mm) 500

DATE DRILLED 05/12/2018

CLIENT DAA

ENGINEER OCSC

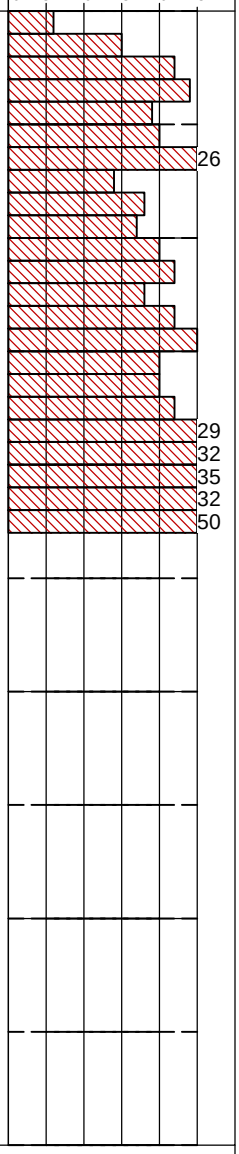
PROBE TYPE DPH

Depth (m)	Geotechnical Description	Legend
0.0	.	
2.30	End of Probe at 2.30 m	

Depth (m)	Elevation (mOD)	Water

Depth (m)	Probe Readings (Blows/Increment)
0.00	6
0.10	15
0.20	22
0.30	24
0.40	19
0.50	20
0.60	26
0.70	14
0.80	18
0.90	17
1.00	20
1.10	22
1.20	18
1.30	22
1.40	25
1.50	20
1.60	20
1.70	22
1.80	29
1.90	32
2.00	35
2.10	32
2.20	50

Graphic Probe Record

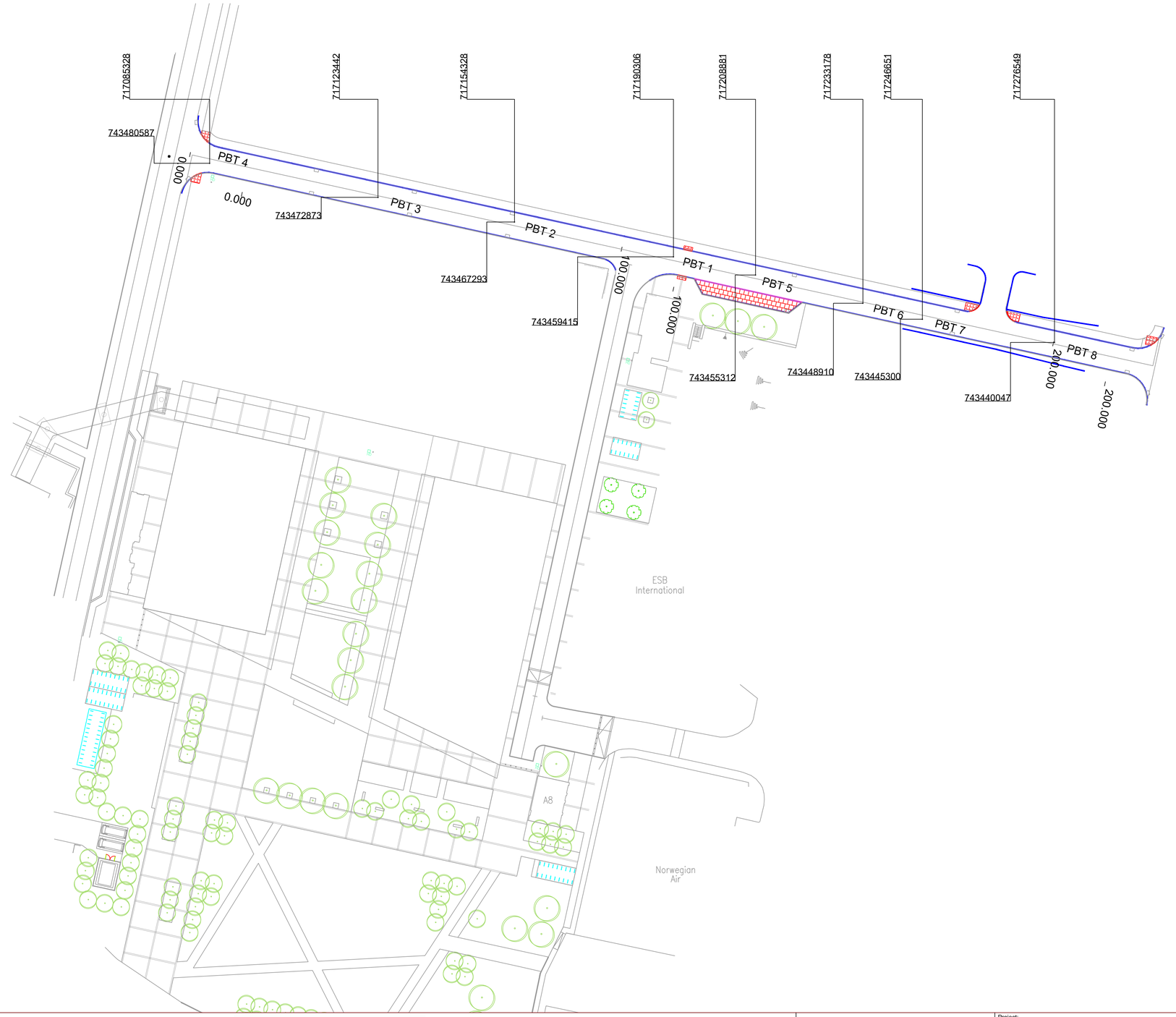


GROUNDWATER OBSERVATIONS

REMARKS

DP4 done beside TP4 location

IGSL DP LOG 100MM INCREMENTS 21431.GPJ IGSL.GDT 12/12/18



Stewart Construction Est.1902

daa Dublin Airport

DUBLIN AIRPORT CENTRAL

Rev | Description | By

Project: DUBLIN AIRPORT CENTRAL

Client: daa

Title: As-Built CBR Locations

Drawing / Document Name:
Project Number | Project | Originator | Volume | Level | Type | Role | Sheet Number
17006 DAC1-STC-XX-XX-DR-W-6008

Suitability Status : Code - Description: CR - AS CONSTRUCTED

Revision: C-01

Drawn: | Checked: | Date:

Stewart Construction Est.1902

PLATE TEST REPORT SHEET (F3.1)

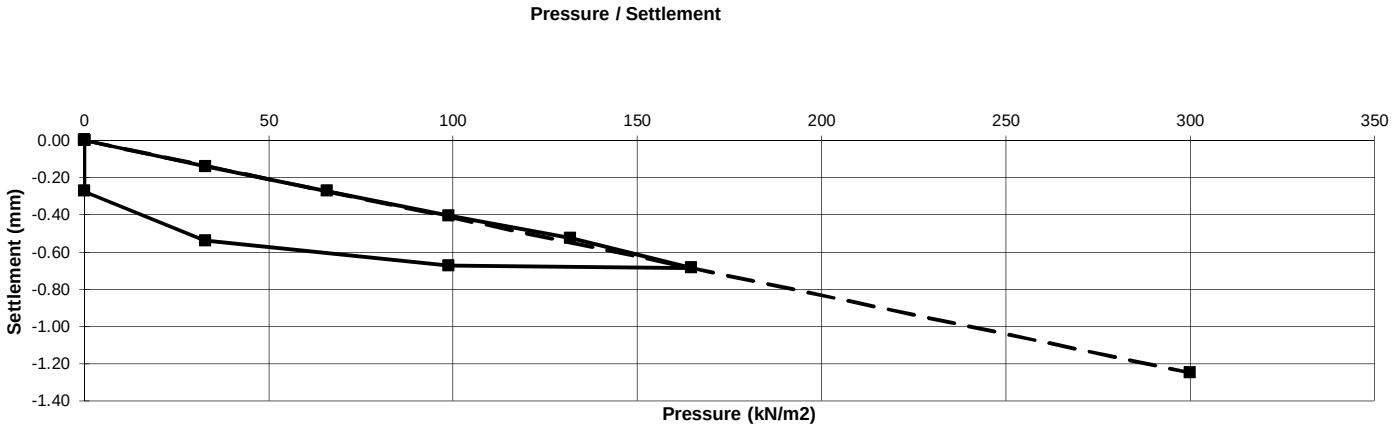
Applied Pressure/Settlement Curve

Reference No.	R84854
Contract	20717-Dublin Airport
Test No.	PBT 1 Load
Location	Road (717190.306 E 743459.415 N)
Depth	Subbase
Client	Mac Hale
Plate Diameter:	450 mm
Test Method	BS 1377: Part 9: 1990 Test4 - Incremental Loading Test
Technician	D Tallon
Authorised by	
Date	01/26/2018

Description of soil under test
(natural soil, placed fill, sub-base)

Grey sandy angular GRAVEL

Sample Ref No. N/A
Depth 0.00 m bgl



Gradient at 1.25 mm settlement intersection = 240
Modulus of subgrade reaction = 154 MPa/m
Correction factor applied = 0.64 as per HD 25-26/10

Equivalent CBR value in accordance with NRA HD25-26/10 59.8 %

PLATE TEST REPORT SHEET (F3.1)

Applied Pressure/Settlement Curve

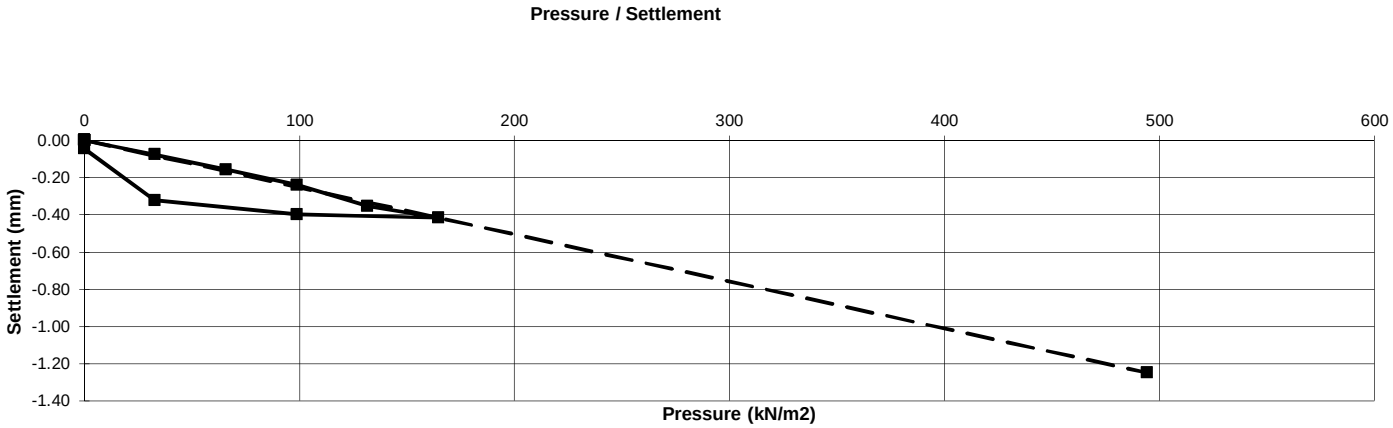
Reference No.	R84854
Contract	20717-Dublin Airport
Test No.	PBT 1 ReLoad
Location	Road (717190.306 E 743459.415 N)
Depth	Subbase
Client	Mac Hale
Plate Diameter:	450 mm
Test Method	BS 1377: Part 9: 1990 Test4 - Incremental Loading Test
Technician	D Tallon
Authorised by	
Date	01/26/2018

Description of soil under test
(natural soil, placed fill, sub-base)

Grey sandy angular GRAVEL

Sample Ref No. N/A

Depth 0.00 m bgl



Gradient at 1.25 mm settlement intersection = 396

Modulus of subgrade reaction = 254 MPa/m

Correction factor applied = 0.64 as per HD 25-26/10

Equivalent CBR value in accordance with NRA HD25-26/10 142.1 %

PLATE TEST REPORT SHEET (F3.1)

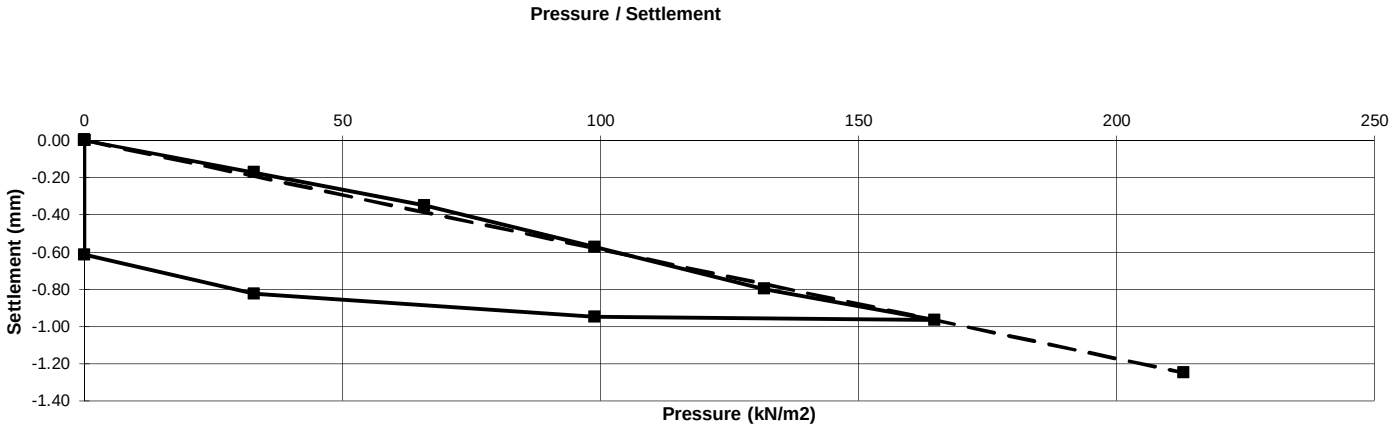
Applied Pressure/Settlement Curve

Reference No.	R84856
Contract	20717-Dublin Airport
Test No.	PBT 2 Load Retest
Location	Road (717154.328 E 743467.293 N)
Depth	Subbase
Client	Mac Hale
Plate Diameter:	450 mm
Test Method	BS 1377: Part 9: 1990 Test4 - Incremental Loading Test
Technician	D Tallon
Authorised by	
Date	01/26/2018

Description of soil under test
(natural soil, placed fill, sub-base)

Grey sandy angular GRAVEL

Sample Ref No. N/A
Depth 0.00 m bgl



Gradient at 1.25 mm settlement intersection = 170
Modulus of subgrade reaction = 110 MPa/m
Correction factor applied = 0.64 as per HD 25-26/10

Equivalent CBR value in accordance with NRA HD25-26/10 33.1 %

PLATE TEST REPORT SHEET (F3.1)

Applied Pressure/Settlement Curve

Reference No.	R84856
Contract	20717-Dublin Airport
Test No.	PBT 2 ReLoad Retest
Location	Road (717154.328 E 743467.293 N)
Depth	Subbase
Client	Mac Hale
Plate Diameter:	450 mm
Test Method	BS 1377: Part 9: 1990 Test4 - Incremental Loading Test
Technician	D Tallon
Authorised by	
Date	01/26/2018

Description of soil under test
(natural soil, placed fill, sub-base)

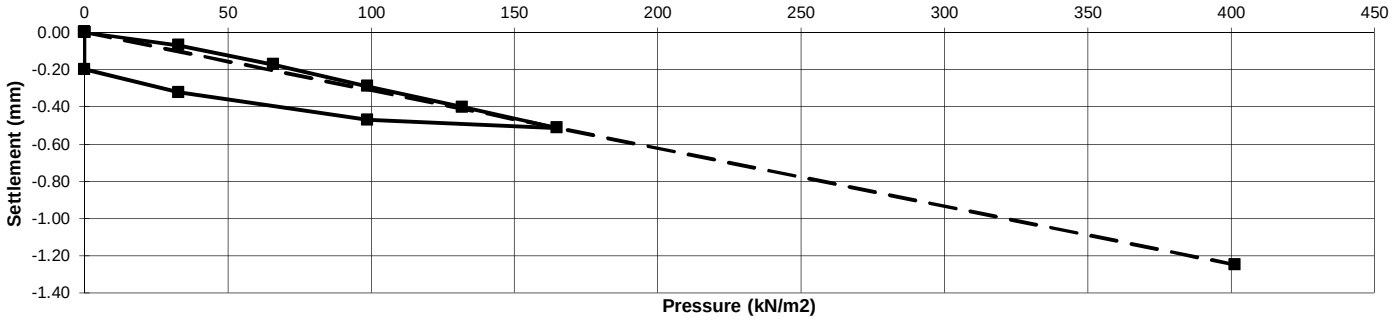
Grey sandy angular GRAVEL

Sample Ref No. N/A
Depth 0.00 m bgl

IGSL Ltd.

IVNAB

Pressure / Settlement



Gradient at 1.25 mm settlement intersection = 321
Modulus of subgrade reaction = 206 MPa/m
Correction factor applied = 0.64 as per HD 25-26/10

Equivalent CBR value in accordance with NRA HD25-26/10 99.0 %

PLATE TEST REPORT SHEET (F3.1)

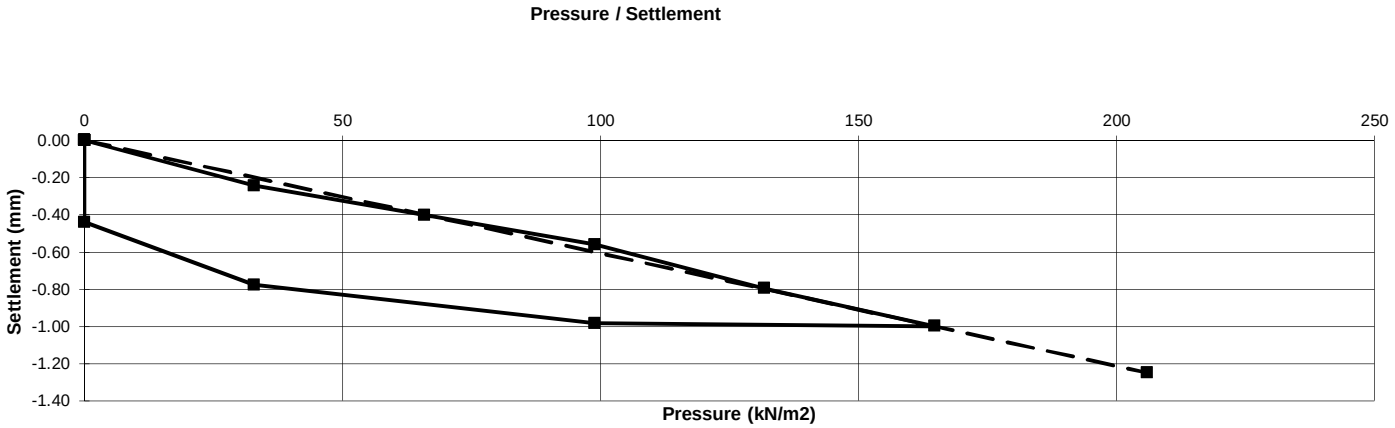
Applied Pressure/Settlement Curve

Reference No.	R84859
Contract	20717-Dublin Airport
Test No.	PBT 3 Load
Location	Road (717123.442 E 743472.873 N)
Depth	Subbase
Client	Mac Hale
Plate Diameter:	450 mm
Test Method	BS 1377: Part 9: 1990 Test4 - Incremental Loading Test
Technician	D Tallon
Authorised by	
Date	01/26/2018

Description of soil under test
(natural soil, placed fill, sub-base)

Grey sandy angular GRAVEL

Sample Ref No. N/A
Depth 0.00 m bgl



Gradient at 1.25 mm settlement intersection = 165
Modulus of subgrade reaction = 106 MPa/m
Correction factor applied = 0.64 as per HD 25-26/10

Equivalent CBR value in accordance with NRA HD25-26/10 31.2 %

PLATE TEST REPORT SHEET (F3.1)

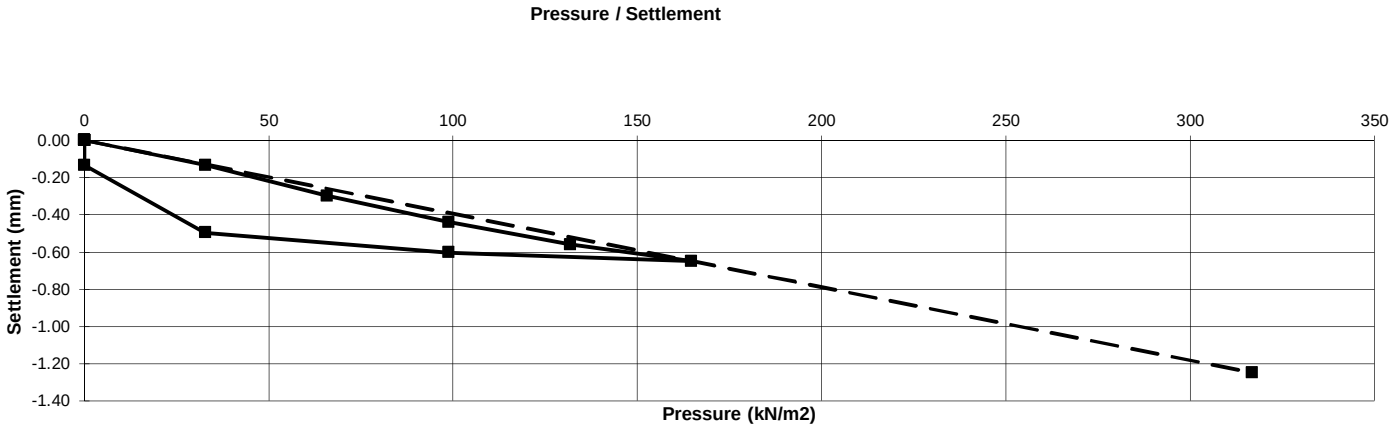
Applied Pressure/Settlement Curve

Reference No.	R84859
Contract	20717-Dublin Airport
Test No.	PBT 3 ReLoad
Location	Road (717123.442 E 743472.873 N)
Depth	Subbase
Client	Mac Hale
Plate Diameter:	450 mm
Test Method	BS 1377: Part 9: 1990 Test4 - Incremental Loading Test
Technician	D Tallon
Authorised by	
Date	01/26/2018

Description of soil under test
(natural soil, placed fill, sub-base)

Grey sandy angular GRAVEL

Sample Ref No. N/A
Depth 0.00 m bgl



Gradient at 1.25 mm settlement intersection = 254
Modulus of subgrade reaction = 163 MPa/m
Correction factor applied = 0.64 as per HD 25-26/10

Equivalent CBR value in accordance with NRA HD25-26/10 65.8 %

PLATE TEST REPORT SHEET (F3.1)

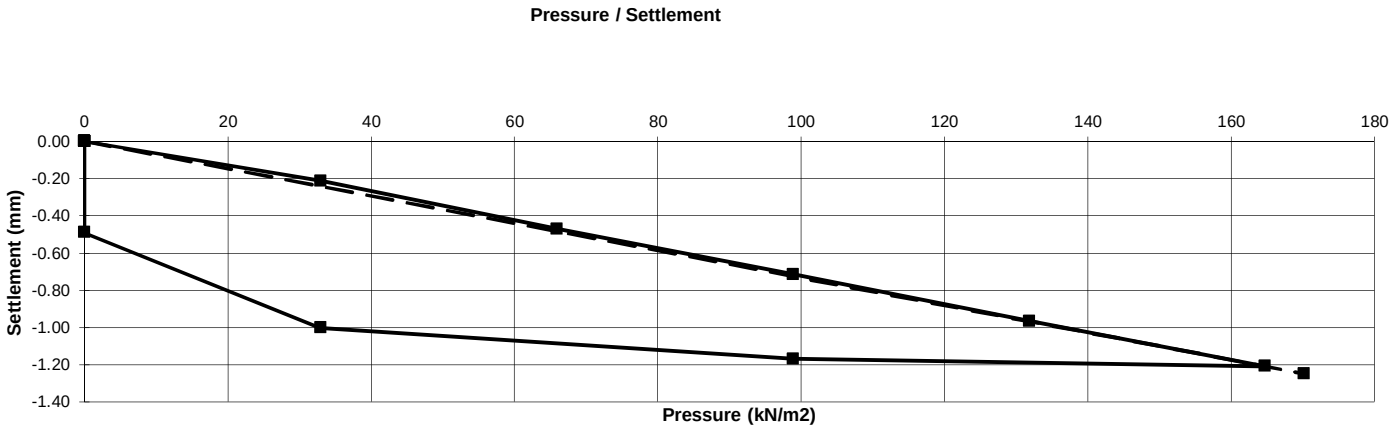
Applied Pressure/Settlement Curve

Reference No.	R84860
Contract	20717-Dublin Airport
Test No.	PBT 4 Load
Location	Road (717085.328 E 743480.587 N)
Depth	Subbase
Client	Mac Hale
Plate Diameter:	450 mm
Test Method	BS 1377: Part 9: 1990 Test4 - Incremental Loading Test
Technician	D Tallon
Authorised by	
Date	01/26/2018

Description of soil under test
(natural soil, placed fill, sub-base)

Grey sandy angular GRAVEL

Sample Ref No. N/A
Depth 0.00 m bgl



Gradient at 1.25 mm settlement intersection = 136
Modulus of subgrade reaction = 88 MPa/m
Correction factor applied = 0.64 as per HD 25-26/10

Equivalent CBR value in accordance with NRA HD25-26/10 22.4 %

PLATE TEST REPORT SHEET (F3.1)

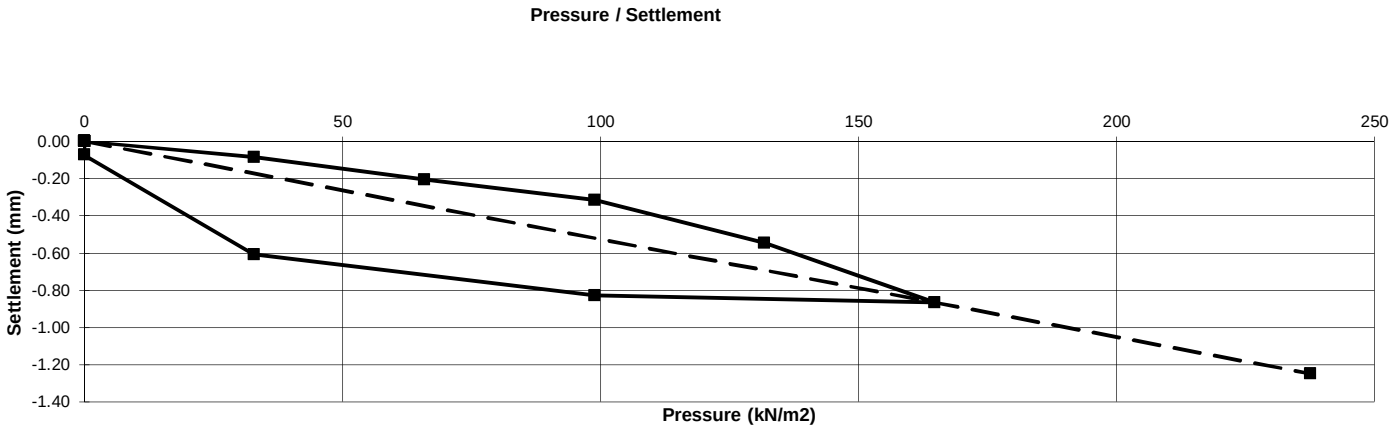
Applied Pressure/Settlement Curve

Reference No.	R84860
Contract	20717-Dublin Airport
Test No.	PBT 4 ReLoad
Location	Road (717085.328 E 743480.587 N)
Depth	Subbase
Client	Mac Hale
Plate Diameter:	450 mm
Test Method	BS 1377: Part 9: 1990 Test4 - Incremental Loading Test
Technician	D Tallon
Authorised by	
Date	01/26/2018

Description of soil under test
(natural soil, placed fill, sub-base)

Grey sandy angular GRAVEL

Sample Ref No. N/A
Depth 0.00 m bgl



Gradient at 1.25 mm settlement intersection = 190
Modulus of subgrade reaction = 122 MPa/m
Correction factor applied = 0.64 as per HD 25-26/10

Equivalent CBR value in accordance with NRA HD25-26/10 39.9 %

PLATE TEST REPORT SHEET (F3.1)

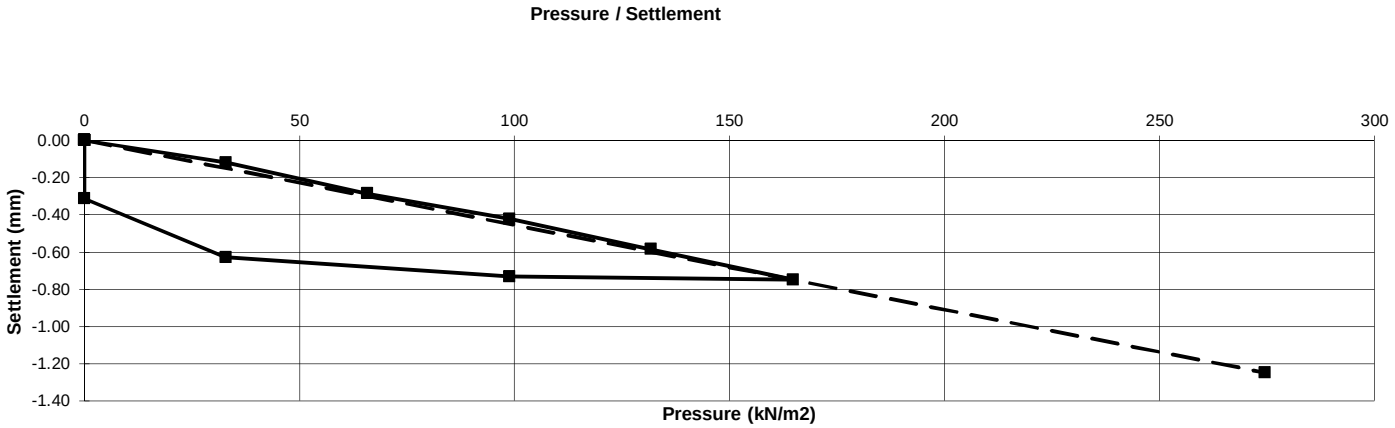
Applied Pressure/Settlement Curve

Reference No.	R84861
Contract	20717-Dublin Airport
Test No.	PBT 5 Load
Location	Road (717207.881 E 743455.312 N)
Depth	Subbase
Client	Mac Hale
Plate Diameter:	450 mm
Test Method	BS 1377: Part 9: 1990 Test4 - Incremental Loading Test
Technician	D Tallon
Authorised by	
Date	01/26/2018

Description of soil under test
(natural soil, placed fill, sub-base)

Grey sandy angular GRAVEL

Sample Ref No. N/A
Depth 0.00 m bgl



Gradient at 1.25 mm settlement intersection = 220
Modulus of subgrade reaction = 141 MPa/m
Correction factor applied = 0.64 as per HD 25-26/10

Equivalent CBR value in accordance with NRA HD25-26/10 51.3 %

PLATE TEST REPORT SHEET (F3.1)

Applied Pressure/Settlement Curve

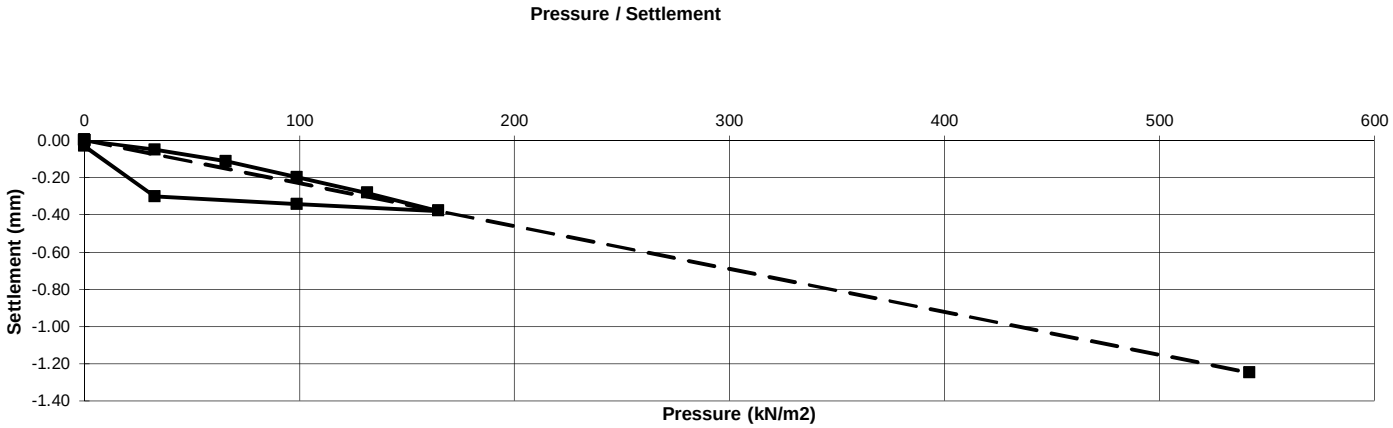
Reference No.	R84861
Contract	20717-Dublin Airport
Test No.	PBT 5 ReLoad
Location	Road (717207.881 E 743455.312 N)
Depth	Subbase
Client	Mac Hale
Plate Diameter:	450 mm
Test Method	BS 1377: Part 9: 1990 Test4 - Incremental Loading Test
Technician	D Tallon
Authorised by	
Date	01/26/2018

Description of soil under test
(natural soil, placed fill, sub-base)

Grey sandy angular GRAVEL

Sample Ref No. N/A

Depth 0.00 m bgl



Gradient at 1.25 mm settlement intersection = 434

Modulus of subgrade reaction = 279 MPa/m

Correction factor applied = 0.64 as per HD 25-26/10

Equivalent CBR value in accordance with NRA HD25-26/10 166.7 %

PLATE TEST REPORT SHEET (F3.1)

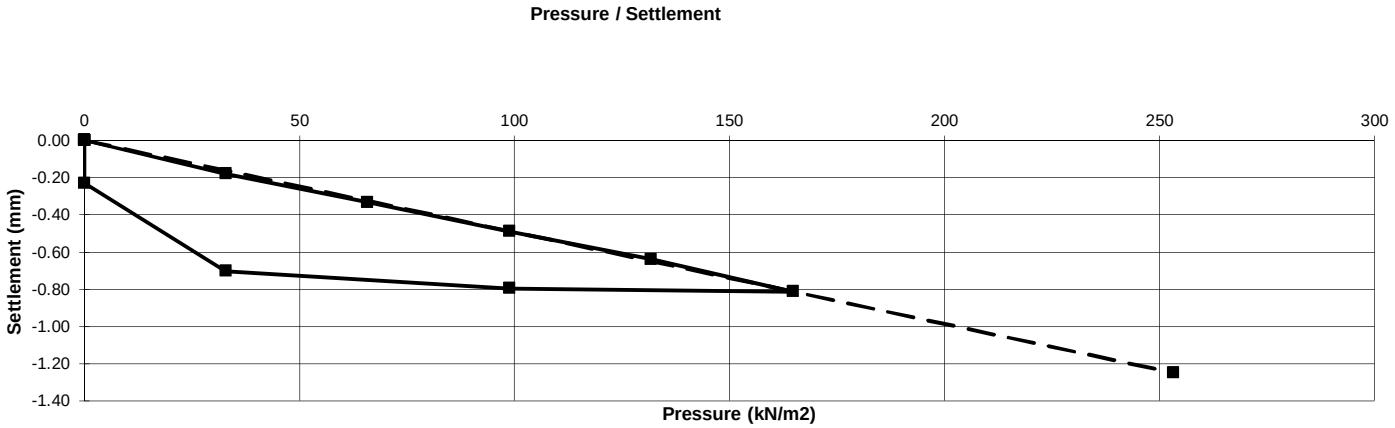
Applied Pressure/Settlement Curve

Reference No.	R84862
Contract	20717-Dublin Airport
Test No.	PBT 6 Load
Location	Road (717233.178 E 743448.910 N)
Depth	Subbase
Client	Mac Hale
Plate Diameter:	450 mm
Test Method	BS 1377: Part 9: 1990 Test4 - Incremental Loading Test
Technician	D Tallon
Authorised by	
Date	01/26/2018

Description of soil under test
(natural soil, placed fill, sub-base)

Grey sandy angular GRAVEL

Sample Ref No. N/A
Depth 0.00 m bgl



Gradient at 1.25 mm settlement intersection = 203
Modulus of subgrade reaction = 130 MPa/m
Correction factor applied = 0.64 as per HD 25-26/10

Equivalent CBR value in accordance with NRA HD25-26/10 44.6 %

PLATE TEST REPORT SHEET (F3.1)

Applied Pressure/Settlement Curve

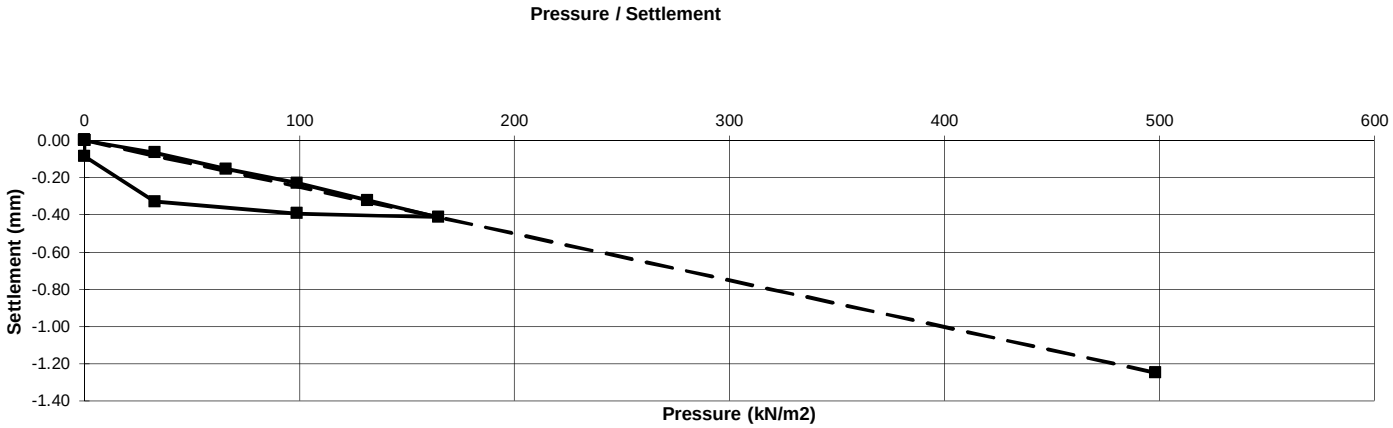
Reference No.	R84862
Contract	20717-Dublin Airport
Test No.	PBT 6 ReLoad
Location	Road (717233.178 E 743448.910 N)
Depth	Subbase
Client	Mac Hale
Plate Diameter:	450 mm
Test Method	BS 1377: Part 9: 1990 Test4 - Incremental Loading Test
Technician	D Tallon
Authorised by	
Date	01/26/2018

Description of soil under test
(natural soil, placed fill, sub-base)

Grey sandy angular GRAVEL

Sample Ref No. N/A

Depth 0.00 m bgl



Gradient at 1.25 mm settlement intersection = 399

Modulus of subgrade reaction = 256 MPa/m

Correction factor applied = 0.64 as per HD 25-26/10

Equivalent CBR value in accordance with NRA HD25-26/10 144.1 %

PLATE TEST REPORT SHEET (F3.1)

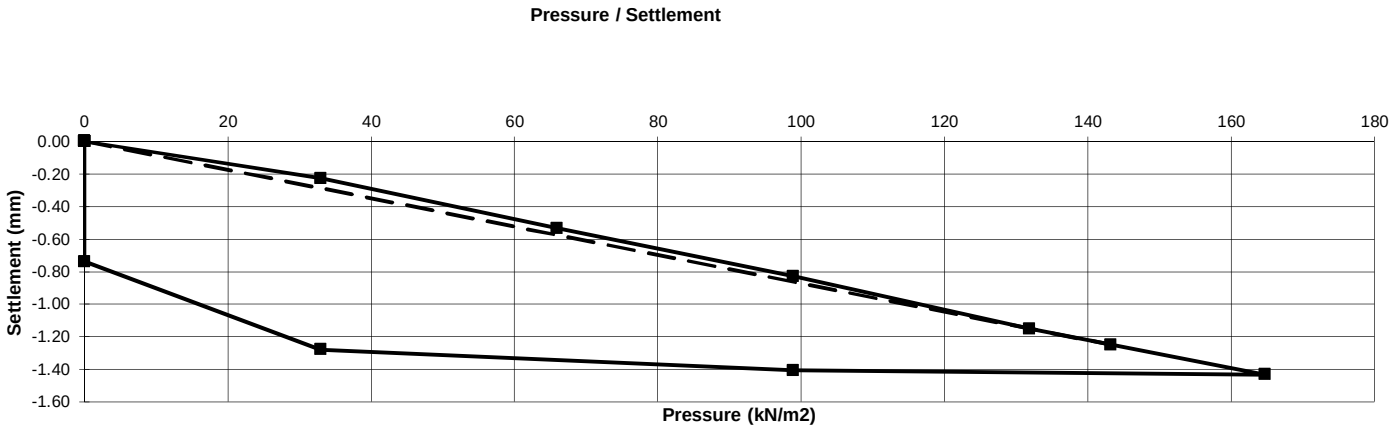
Applied Pressure/Settlement Curve

Reference No.	R84863
Contract	20717-Dublin Airport
Test No.	PBT 7 Load
Location	Road (717246.651 E 743445.300 N)
Depth	Subbase
Client	Mac Hale
Plate Diameter:	450 mm
Test Method	BS 1377: Part 9: 1990 Test4 - Incremental Loading Test
Technician	D Tallon
Authorised by	
Date	01/26/2018

Description of soil under test
(natural soil, placed fill, sub-base)

Grey sandy angular GRAVEL

Sample Ref No. N/A
Depth 0.00 m bgl



Gradient at 1.25 mm settlement intersection = 115
Modulus of subgrade reaction = 74 MPa/m
Correction factor applied = 0.64 as per HD 25-26/10

Equivalent CBR value in accordance with NRA HD25-26/10 16.6 %

PLATE TEST REPORT SHEET (F3.1)

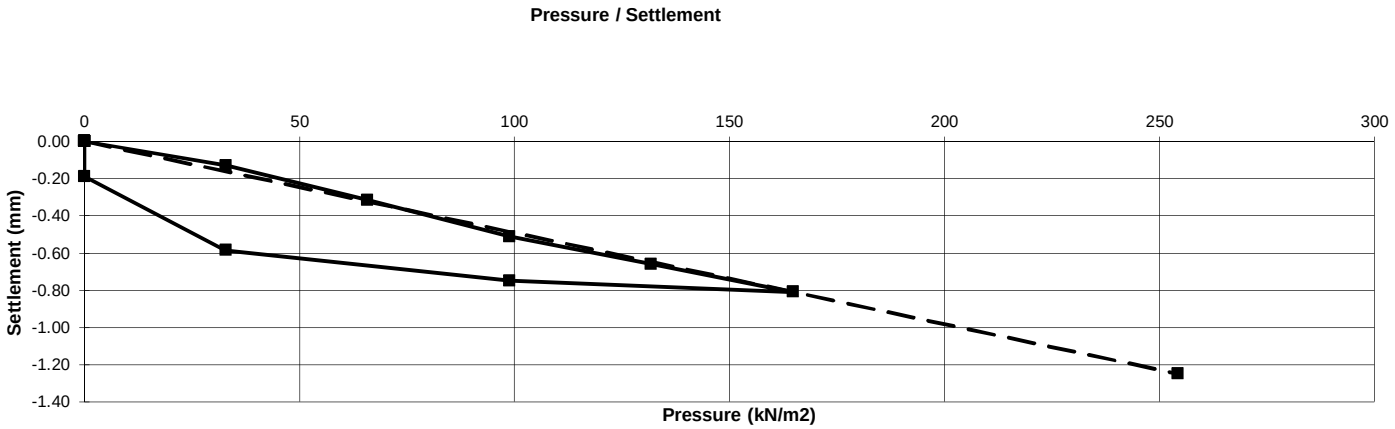
Applied Pressure/Settlement Curve

Reference No.	R84863
Contract	20717-Dublin Airport
Test No.	PBT 7 ReLoad
Location	Road (717246.651 E 743445.300 N)
Depth	Subbase
Client	Mac Hale
Plate Diameter:	450 mm
Test Method	BS 1377: Part 9: 1990 Test4 - Incremental Loading Test
Technician	D Tallon
Authorised by	
Date	01/26/2018

Description of soil under test
(natural soil, placed fill, sub-base)

Grey sandy angular GRAVEL

Sample Ref No. N/A
Depth 0.00 m bgl



Gradient at 1.25 mm settlement intersection = 203
Modulus of subgrade reaction = 131 MPa/m
Correction factor applied = 0.64 as per HD 25-26/10

Equivalent CBR value in accordance with NRA HD25-26/10 44.9 %

PLATE TEST REPORT SHEET (F3.1)

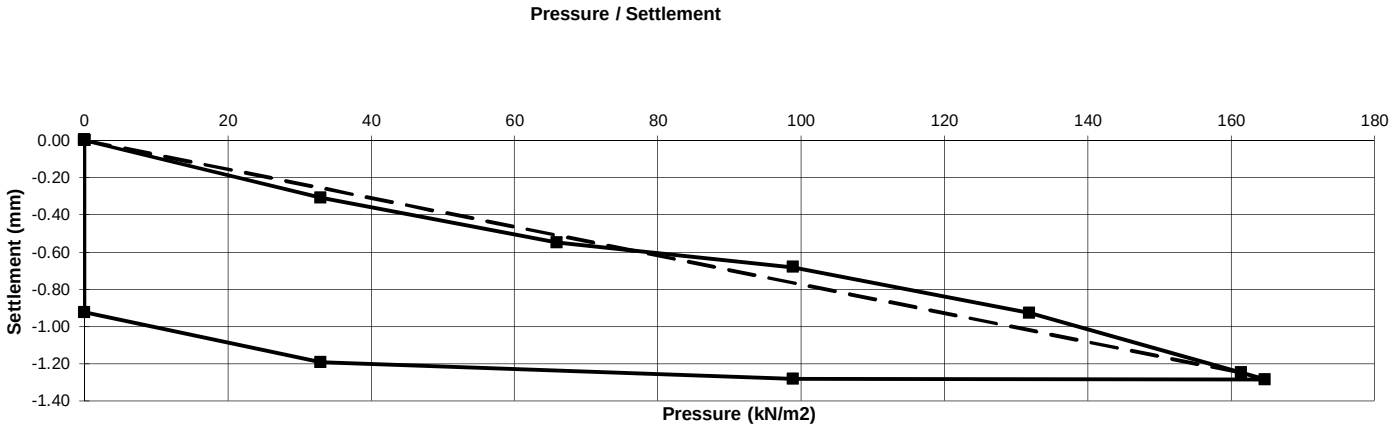
Applied Pressure/Settlement Curve

Reference No.	R84864
Contract	20717-Dublin Airport
Test No.	PBT 8 Load
Location	Road (717276.549 E 743440.047 N)
Depth	Subbase
Client	Mac Hale
Plate Diameter:	450 mm
Test Method	BS 1377: Part 9: 1990 Test4 - Incremental Loading Test
Technician	D Tallon
Authorised by	
Date	01/26/2018

Description of soil under test
(natural soil, placed fill, sub-base)

Grey sandy angular GRAVEL

Sample Ref No. N/A
Depth 0.00 m bgl



Gradient at 1.25 mm settlement intersection = 129
Modulus of subgrade reaction = 83 MPa/m
Correction factor applied = 0.64 as per HD 25-26/10

Equivalent CBR value in accordance with NRA HD25-26/10 20.4 %

PLATE TEST REPORT SHEET (F3.1)

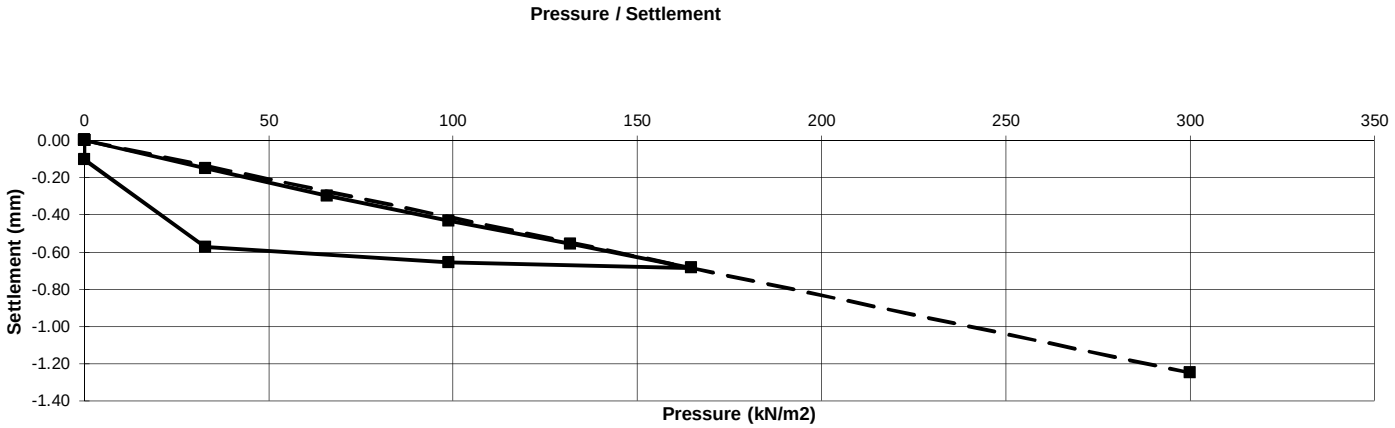
Applied Pressure/Settlement Curve

Reference No.	R84864
Contract	20717-Dublin Airport
Test No.	PBT 8 ReLoad
Location	Road (717276.549 E 743440.047 N)
Depth	Subbase
Client	Mac Hale
Plate Diameter:	450 mm
Test Method	BS 1377: Part 9: 1990 Test4 - Incremental Loading Test
Technician	D Tallon
Authorised by	
Date	01/26/2018

Description of soil under test
(natural soil, placed fill, sub-base)

Grey sandy angular GRAVEL

Sample Ref No. N/A
Depth 0.00 m bgl



Gradient at 1.25 mm settlement intersection = 240
Modulus of subgrade reaction = 154 MPa/m
Correction factor applied = 0.64 as per HD 25-26/10

Equivalent CBR value in accordance with NRA HD25-26/10 59.8 %

COLUMN RELOCATED AWAY FROM NARROW MARGIN CREATED BY THE "SAFEGUARDED ROUTE" WHICH REDUCES THE DEPTH REQUIRED FOR PILING ETC AND ALSO MITIGATES THE RISK ASSOCIATED WITH FUTURE EXCAVATION IN THE AREA OF THE COLUMN/COLUMN BASE

COLUMN REMOVED FROM THIS AREA REDUCING THE EXTENT OF EXCAVATIONS REQUIRED IN THE AREA WHERE THE BED ROCK LEVELS ARE UNCERTAIN & PRESENT A RISK.
ALSO MITIGATES THE RISK ASSOCIATED WITH FUTURE EXCAVATION IN THE AREA OF THE COLUMN/COLUMN BASE

TP01

TP02

TP03

TP04

SINGLE CLEAR SPAN OVER ROAD

BUILDING A9

DASHED OUTLINE INDICATIVE OF ORIGINAL LINE OF BUILDING A9

OUTLINE OF AIRPORT OPERATIONS "SAFEGUARDED ROUTE"

BUILDING A1

T2 MSCP

LEGEND

TP01

INDICATES TRIAL PIT LOCATION AND NUMBER

PROJECT NO: H601
PROJECT NAME: DAC LINK BRIDGE
DATE: 16-10-2018

H601-OCSC-XX-XX-SK-S-0001
OCSC MARKUP
PROPOSED SITE INVESTIGATION TRIAL PITS

06.09.2018

1:200 @A3

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Architecture + Interiors
henryjlyons.com

Client Name: DAA

Project Name: DUBLIN AIRPORT CENTRAL - CLUSTER A, PH.1
A9 LINK BRIDGE ALIGNMENT

Project Number: A9LB - HJL - A9 - XX - DR - A - SK001