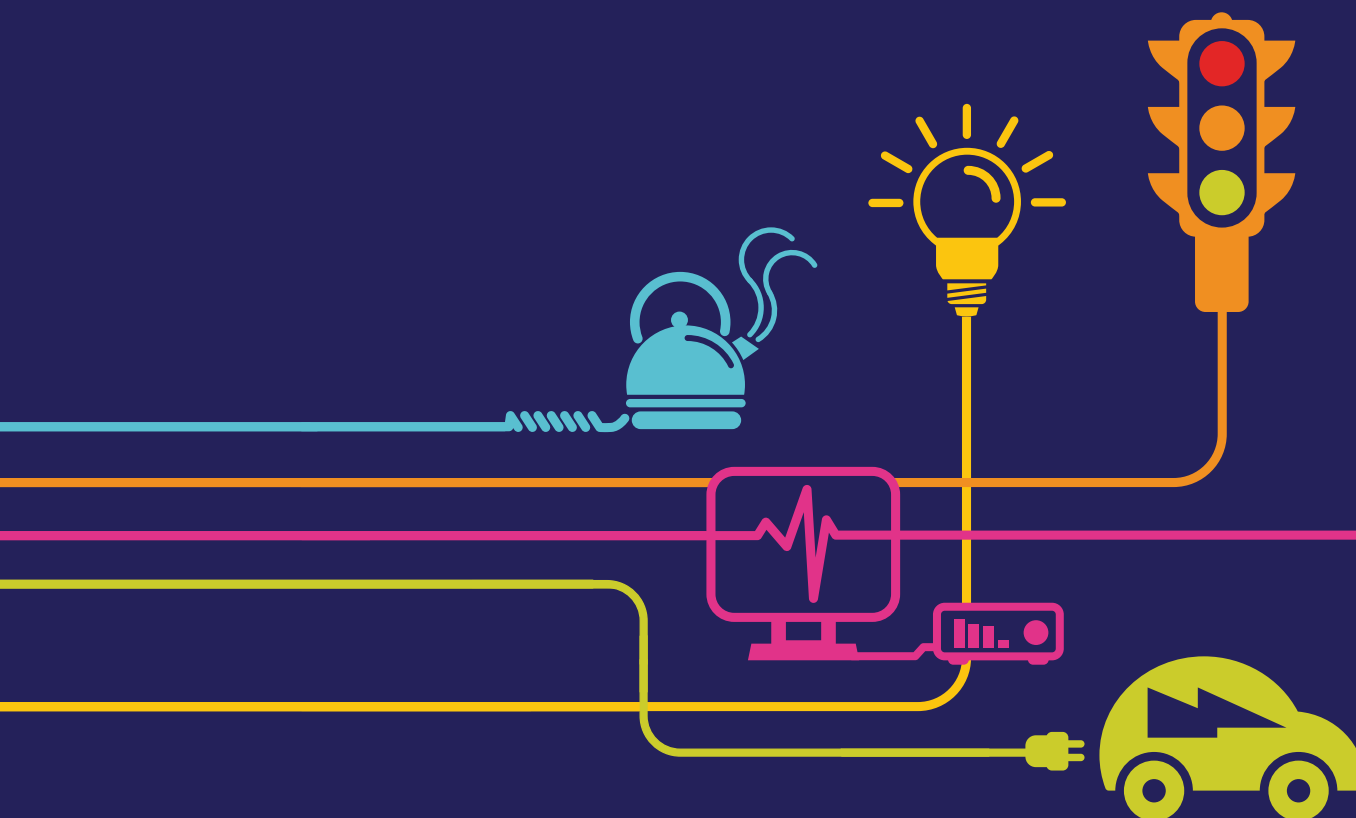


Environmental Statement Ground Environment Appendix 9J Part 2

Hinkley Point C Connection Project

*Regulation 5(2)(a) of the Infrastructure Planning
(Applications: Prescribed Forms and Procedure)
Regulations 2009*



Environmental Statement

Hinkley Point C Connection Project

5.9.2 – Ground Environment– Appendices (orange highlight indicates the contents of this Volume)

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Volume 5.9.2.2	
9A	Preliminary Risk Assessment - Section A (Part 2)
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9K	Factual Report on Ground Investigation on New Electricity Substation at Sandford, Somerset

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Appendix 9J – Factual Report on Ground Investigation Hinkley to Seabank 400kV Connection



Contract: Hinkley to Seabank 400kV Connection			Client: Electricity Alliance West		Borehole: BHC9D
Contract Ref: 727635	Start: 4.6.13 End: 11.6.13	Ground Level (m AOD): 20.32	National Grid Co-ordinate: E:340853.0 N:158444.0		Sheet: 1 of 10


Depth (m)	Samples & Testing			Mechanical Log				Backfill & Instrumentation	Water	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)						
0.10-1.20	1	B								Grass over stiff brown slightly sandy locally sandy CLAY (TOPSOIL). (TOPSOIL)	19.92	0.40	
										Firm brown slightly sandy locally sandy CLAY. (MERCIA MUDSTONE GROUP)		(0.80)	
1.20-1.65	2	SPT	N=2								19.12	1.20	
1.70-2.00	3	B											
2.00-2.45	4	U	70 blows 60% recovery									(1.80)	
2.45-2.65	5	D											
											17.32	3.00	

04/06
13:30

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks	
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)		
04/06/13	13:00	3.00	1.50	150	3.00	3.00	3.25	00:30	1. Location CAT scanned and inspection pit dug to 1.20m depth prior to drilling. 2. Cable percussion borehole terminated in mudstone at 3.25m - rotary follow-on undertaken to completion depth. 3. 50mm diameter gas/groundwater sandpipe installed as shown on completion.	
04/06/13	13:30	3.25	1.50	150	2.80					
									All dimensions	
Method Used:	Inspection pit + Cable Percussion + Rotary Cored			Plant Used:	Dando 2000 + Beretta T41		Drilled By:	HA + NR	Logged By:	BSa RC



Contract: Hinkley to Seabank 400kV Connection		Client: Electricity Alliance West		Borehole: BHC9D
Contract Ref: 727635	Start: 4.6.13 End: 11.6.13	Ground Level (m AOD): 20.32	National Grid Co-ordinate: E:340853.0 N:158444.0	Sheet: 2 of 10

Depth (m)	Samples & Testing			Mechanical Log				Backfill & Instru- mentation	Water	Description of Strata	Reduced Level	Depth (Thick- ness)	Material Graphic Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)						
3.00-3.23 3.00-3.25	7 8	SPT D	N=200*							Hard to extremely weak red brown MUDSTONE recovered as subangular GRAVEL. (MERCIA MUDSTONE GROUP Zone II)	16.72	(0.60)	
3.25-3.35	9	SPT	N=600*										
3.60-4.50				↑ 									

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks	
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)		
									4. Location: Sandford (A371). 5. SPT hammers EQU 442 ($E_r = 60.15\%$) , EQU084 - 2013 ($E_r = 67.22\%$) used.	
									All dimensions	
Method Used:	Inspection pit + Cable Percussion + Rotary Cored			Plant Used:	Dando 2000 + Beretta T41		Drilled By:	HA + NR	Logged By:	BSa RCO



STRUCTURAL SOILS

BOREHOLE LOG

Contract: Hinkley to Seabank 400kV Connection			Client: Electricity Alliance West		Borehole: BHC9D
Contract Ref: 727635	Start: 4.6.13 End: 11.6.13	Ground Level (m AOD): 20.32	National Grid Co-ordinate: E:340853.0 N:158444.0		Sheet: 3 of 10

Depth (m)	Samples & Testing			Mechanical Log				Backfill & Instrumentation	Water	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)						
6.00-7.50 6.00-6.32	5	SPT(c)	N=178*	↑	↑	↑	↑			... between 6.00m and 6.35m depth non intact recovered as fine to coarse fragments of fine to coarse green siltstone and red mudstone with pockets of soft greenish and red clay.	13.97	6.35	
7.50-8.70 7.50-7.61	25	SPT(c)	N=1000*	↑	↑	↑	↑			Weak to medium strong very thinly to medium bedded reddish brown mottled greenish grey silty MUDSTONE. Bedding dips at 5°. Bedding fractures as well as fractures are 5° to 80° very closely to closely spaced undulating rough clean/infill with fine to medium crushed fragments of mudstone. (possible intensely fractured zone) (MERCIA MUDSTONE GROUP Zone I) ... between 6.65m and 6.75m depth non intact(possible intensely fractured zone). ... between 7.00m and 7.06m depth joint is 55° planar with broken wall rocks. ... at 7.10m depth possible crumbling or movement along bedding fracture with non intact zone up to 25mm. ... between 7.20m and 7.28m depth non intact due to possible crushing. ... between 7.28m and 7.50m depth non intact recovered as fine to coarse angular fragments of weak mudstone. ... non intact poor recovery between 7.50m and 7.83m depth recovered as fine to coarse very weak or weak greenish grey siltstone red mudstone. ... between 7.55m and 7.63m depth joint is 85° undulating rough one of the wall rocks missing. ... between 7.83m and 7.90m depth medium strong greenish grey siltstone. ... between 8.00m and 8.20m depth core is broken randomly without a full diameter. ... between 8.10m and 8.20m depth joint is 55° undulating rough with non intact upper wall rock. ... at 8.40m depth 25mm of fine to coarse angular fragments of red mudstone (possible movement). ... between 8.50m and 8.65m depth joint is 75° planar rough with broken up upper and lower wall rocks (possible movement along the joint). ... possible loss of recovery between 8.70m and 9.70m depth.		(3.65)	
8.70-10.00 8.70-8.81	9	SPT(c)	N=1000*	↑	↑	↑	↑						

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)	
Method Used:	Inspection pit + Cable Percussion + Rotary Cored		Plant Used:	Dando 2000 + Beretta T41		Drilled By:	HA + NR		All dimensions
									Logged By: BSa RC



Contract: Hinkley to Seabank 400kV Connection			Client: Electricity Alliance West		Borehole: BHC9D	
Contract Ref: 727635		Start: 4.6.13 End: 11.6.13	Ground Level (m AOD): 20.32	National Grid Co-ordinate: E:340853.0 N:158444.0		Sheet: 4 of 10

Depth (m)	Samples & Testing			Mechanical Log				Backfill & Instrumentation	Water	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)						
10.00-11.50				23	8	0	NI 20 40			Weak to medium strong very thinly to medium bedded reddish brown mottled greenish grey silty MUDSTONE. Bedding dips at 5°. Bedding fractures as well as fractures are 5° to 80° very closely to closely spaced undulating rough clean/infill with fine to medium crushed fragments of mudstone. (possible intensely fractured zone) (MERCIA MUDSTONE GROUP Zone I) <i>(stratum text copied from layer at 6.35m depth from previous sheet)</i> ... between 9.70m and 10.00m depth medium strong red mudstone and green siltstone with randomly orientated fractures.	10.32	10.00	
				37	0	0				Soft becoming very soft reddish brown mottled greenish grey clay with occasional extremely weak lithorelicts of red brown mudstone up to 5mm. (MERCIA MUDSTONE GROUP Zone IVa)		(1.50)	
11.50-13.00	13	SPT(c)	N=429*	20	0	0				Non intact and possible loss of recovery (possible intensely fractured zone). (MERCIA MUDSTONE GROUP) ... recovery is only 20% between 11.50m and 13.00m depth (possible intensely fractured zone).	8.82	11.50	ZCL
11.50-11.65													

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks	
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)		
Method Used: Inspection pit + Cable Percussion + Rotary Cored				Plant Used: Dando 2000 + Beretta T41		Drilled By: HA + NR		Logged By: BSA RC		



Contract: Hinkley to Seabank 400kV Connection			Client: Electricity Alliance West		Borehole: BHC9D	
Contract Ref: 727635		Start: 4.6.13 End: 11.6.13	Ground Level (m AOD): 20.32	National Grid Co-ordinate: E:340853.0 N:158444.0		Sheet: 5 of 10

Depth (m)	Samples & Testing			Mechanical Log				Backfill & Instrumentation	Water	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)						
13.00-13.50	15	SPT(c)	N=750*	20	0	0				Non intact and possible loss of recovery (possible intensely fractured zone). (MERCIA MUDSTONE GROUP) ... recovery is only 20% between 11.50m and 13.00m depth (possible intensely fractured zone). (<i>stratum text copied from layer at 11.50m depth from previous sheet</i>)	7.32	(1.50)	ZCL
13.00-13.19				0	0	0				NO RECOVERY. (possible intensely fractured zone). (MERCIA MUDSTONE GROUP)	6.82	(0.50)	ZCL
13.50-15.00				60	17	7				Medium strong thickly bedded to thinly bedded reddish brown and greenish grey silty MUDSTONE with occasional very thin beds of greenish grey siltstone. Bedding is 5°. (MERCIA MUDSTONE GROUP Zone I) ... between 13.50m and 14.24m depth percentage of recovery is only 10% and recovered as fine to coarse angular fragments of medium strong greenish grey siltstone. ... recovery between 13.50m and 15.00m depth is only 60%. ... between 13.80m and 14.00m depth mudstone and siltstone fractured along random fractures. ... between 14.67m and 14.95m depth non intact recovered as fine to coarse angular fragments of medium strong red mudstone.	5.32	(1.50)	

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks		
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)			
Method Used:		Inspection pit + Cable Percussion + Rotary Cored		Plant Used:		Dando 2000 + Beretta T41		Drilled By:	HA + NR	Logged By:	BSa RC



Contract: Hinkley to Seabank 400kV Connection			Client: Electricity Alliance West		Borehole: BHC9D
Contract Ref: 727635	Start: 4.6.13 End: 11.6.13	Ground Level (m AOD): 20.32	National Grid Co-ordinate: E:340853.0 N:158444.0		Sheet: 6 of 10

Depth (m)	Samples & Testing			Mechanical Log				Backfill & Instru- mentation	Water	Description of Strata	Reduced Level	Depth (Thick- ness)	Material Graphic Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)						
15.00-16.50 15.00-15.18	18	SPT(c)	N=1000*	↑ 27	↑ 0	↑ 0				Recovered as greenish grey and reddish brown very clayey fine to coarse angular broken up fragments of siltstone (possible intensely fractured zone). (MERCIA MUDSTONE GROUP)		(1.50)	
16.50-18.00 16.50-16.82	20	SPT(c)	N=181*	↑ 80	↑ 19	↑ 7	NI 40 100			Very weak to weak very thinly to medium bedded reddish brown SILTSTONE interbedded with weak greenish grey medium bedded siltstone. Fractures are very closely to closely spaced/clean with smear of clay. (MERCIA MUDSTONE GROUP Zone I) ... between 16.50m and 16.90m depth non intact recovered as weal fine to coarse subrounded siltstone with a poor recovery of 25%. ... between 16.50m and 17.50m depth joint is 65° with thin band of green clay in the joint up to 2mm. ... at 16.70m depth joint is 70° with brown oxidation and black spots on the fracture. ... between 16.90m and 17.07m depth red mudstone is weak with randomly orientated fractures. ... between 17.10m and 17.45m depth very weak greenish grey siltstone with randomly orientated fractures. ... red mudstone between 17.45m and 18.00m depth is weak and fractures are very closely spaced.		(1.50)	
				↓	↓	↓	↓				2.32	18.00	

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)	
Method Used:	Inspection pit + Cable Percussion + Rotary Cored		Plant Used:	Dando 2000 + Beretta T41		Drilled By:	HA + NR		All dimensions
									Logged By: BSa RC



Contract: Hinkley to Seabank 400kV Connection			Client: Electricity Alliance West			Borehole: BHC9D		
Contract Ref: 727635		Start: 4.6.13	Ground Level (m AOD): 20.32	National Grid Co-ordinate: E:340853.0 N:158444.0		Sheet: 7 of 10		
		End: 11.6.13						

Depth (m)	Samples & Testing			Mechanical Log				Backfill & Instrumentation	Water	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)						
18.00-19.50 18.00-18.10	22	SPT(c)	N=1200*	↑	↑	↑				Recovered as medium to coarse angular GRAVEL of green siltstone and red mudstone (possible intensely fractured zone). (MERCIA MUDSTONE GROUP)		(0.80)	
				60	21	0					1.52	18.80	
										Weak thinly to thickly laminated green and greenish grey calcareous SILTSTONE with very weak reddish brown silty mudstone. (MERCIA MUDSTONE GROUP) ... joint between 18.85m and 19.10m depth dipping vertically planar with brown discolouration on the fracture. ... between 19.10m and 19.24m depth reddish brown silty mudstone recovered non intact calcareous greenish grey and green siltstone fractured and brecciated which contains angular fragments of greenish grey calcareous siltstone randomly embedded greenish grey siltstone matrix.		(0.70)	
19.50-19.60	24	SPT(c)	N=1500*	↓	↓	↓				Borehole terminated at 19.50m depth.	0.82	19.50	

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks	
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)		
Method Used:		Inspection pit + Cable Percussion + Rotary Cored		Plant Used:		Dando 2000 + Beretta T41		Drilled By:	HA + NR	Logged By: BSa RC



Contract: Hinkley to Seabank 400kV Connection		Client: Electricity Alliance West		Borehole: BHC9D
Contract Ref: 727635	Start: 4.6.13 End: 11.6.13	Ground Level (m AOD): 20.32	National Grid Co-ordinate: E:340853.0 N:158444.0	Sheet: 8 of 10

BHC9D 3.60m to 6.00m



BHC9D 6.00m to 8.70m

Method Used:	Inspection pit + Cable Percussion + Rotary Cored	Plant Used:	Dando 2000 + Beretta T41	Drilled By:	HA + NR	Logged By:	BSA RC
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Contract: Hinkley to Seabank 400kV Connection		Client: Electricity Alliance West		Borehole: BHC9D
Contract Ref: 727635	Start: 4.6.13 End: 11.6.13	Ground Level (m AOD): 20.32	National Grid Co-ordinate: E:340853.0 N:158444.0	Sheet: 9 of 10

BHC9D 8.70m to 11.50m



BHC9D 11.50m to 15.00m

Method Used:	Inspection pit + Cable Percussion + Rotary Cored	Plant Used:	Dando 2000 + Beretta T41	Drilled By:	HA + NR	Logged By:	BSa RC
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Contract: Hinkley to Seabank 400kV Connection		Client: Electricity Alliance West		Borehole: BHC9D
Contract Ref: 727635	Start: 4.6.13 End: 11.6.13	Ground Level (m AOD): 20.32	National Grid Co-ordinate: E:340853.0 N:158444.0	Sheet: 10 of 10

BHC9D 15.00m to 18.00m



BHC9D 18.00m to 19.50m

Method Used:	Inspection pit + Cable Percussion + Rotary Cored	Plant Used:	Dando 2000 + Beretta T41	Drilled By:	HA + NR	Logged By:	BSa RC
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Contract: Hinkley to Seabank 400kV Connection			Client: Electricity Alliance West		Borehole: BHC10
Contract Ref: 727635	Start: 5.6.13 End: 2.7.13	Ground Level (m AOD): 33.28	National Grid Co-ordinate: E:341156.4 N:158684.0		Sheet: 1 of 5

Depth (m)	Samples & Testing			Mechanical Log				Backfill & Instrumentation	Water	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)						
0.10-1.20	1	B								Grass over TOPSOIL of soft to firm brown slightly gravelly sandy CLAY. (TOPSOIL)	32.88	0.40	
										Brown slightly gravelly clayey SAND. Gravel is subangular fine to medium of mudstone and siltstone. (MERCIA MUDSTONE GROUP)		(0.80)	
1.20-1.65	2	SPT	N=14								32.08	1.20	
1.30-2.00	3	B								Firm reddish brown mottled yellow slightly gravelly sandy CLAY. Gravel is subangular to subrounded fine to medium mudstone. (MERCIA MUDSTONE GROUP)			
2.00-2.45	4	SPT	N=9									(2.30)	
2.50-3.00	5	D											
3.00-3.45	6	U	70 blows 60% recovery								29.78	3.50	
3.45-3.65 3.50-4.00	7 8	D D								Hard to extremely weak reddish brown occasionally mottled green-grey MUDSTONE recovered as angular to subangular fine to coarse gravel. (MERCIA MUDSTONE GROUP)		(0.50)	
											29.28	4.00	

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)	
02/07/13	07:00	3.40	None	150	Dry	3.70	4.00	00:30	1. Location CAT scanned and inspection pit dug to 1.20m depth prior to drilling. 2. Cable percussion borehole terminated in mudstone at 4.00m - rotary follow-on undertaken to completion depth. 3. 50mm diameter gas/groundwater sandpipe installed as shown on completion.
Method Used: Inspection pit + Cable Percussion + Rotary Core						Plant Used: Dando 2000 + Comacchio GEO 205			All dimensions
Drilled By: HA + JP						Logged By: BSa RC			



Contract: Hinkley to Seabank 400kV Connection			Client: Electricity Alliance West		Borehole: BHC10
Contract Ref: 727635	Start: 5.6.13 End: 2.7.13	Ground Level (m AOD): 33.28	National Grid Co-ordinate: E:341156.4 N:158684.0		Sheet: 2 of 5

Depth (m)	Samples & Testing			Mechanical Log				Backfill & Instrumentation	Water	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)						
4.00-4.12	9	SPT	N=375*							Very weak extremely closely jointed reddish brown silty MUDSTONE crumbles/breaks up into fine to coarse angular blocks of silty mudstone. Bedding is 5° to 25°. (MERCIA MUDSTONE GROUP) ... between 4.00m and 4.45m depth recovered as fine to coarse angular blocks of very weak mudstone.			
5.00-6.00 5.00-5.45	10	SPT	N=72	100	13	0	NI 30 50			... between 4.73m and 4.80m depth very weak greenish grey calcareous/dolomitic siltstone crumbles along extremely closely spaced fissures/joints (MMGII). ... between 4.90m and 5.00m depth crumbles into fine to coarse angular blocks of very weak mudstone. ... between 5.00m and 6.00m depth bedding and bedding fractures dip between 5° and 25° and mudstone crumbles into fine to coarse blocks.	27.53	5.75	
6.00-7.00 6.00-6.40	11	SPT	N=120*							... thin bed of greenish grey dolomitic siltstone at 5.74m to 5.75m depth. Very weak very thinly laminated bedded silty MUDSTONE. Fractures (both bedding fractures and joints) are very closely spaced. (MERCIA MUDSTONE GROUP)	27.03	6.25	
7.00-8.50 7.00-7.45	12	SPT	N=95	93	35	21				Very weak very thinly to thinly bedded reddish brown silty MUDSTONE interbedded with weak greenish grey thinly bedded siltstone. Fractures (including joints) are 5° to 60° extremely closely to closely spaced undulating rough partly open/open with reddish brown clay/fine brown fragments of mudstone. (MERCIA MUDSTONE GROUP) ... at 6.65m depth greenish grey silty clay (weathered greenish grey siltstone). ... MMGII becomes MMGI between 6.85m and 7.00m depth. ... between 7.00m and 7.35m depth recovered as fine to coarse angular blocks of weak mudstone. ... between 7.35m and 7.45m depth very weak reddish brown silty mudstone. ... between 7.48m and 7.55m depth completely weathered greenish grey siltstone (very stiff greenish grey silty clay). ... fracture at 7.80m depth infilled with grey silty clay up to 8mm.		(2.25)	

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks	
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)		
									4. Location: Sandford. 5. SPT hammers EQU084 - 2013 ($E_r = 67.22\%$) , EQU089-2012 ($E_r = 61.46\%$) used.	



Contract: Hinkley to Seabank 400kV Connection			Client: Electricity Alliance West		Borehole: BHC10
Contract Ref: 727635	Start: 5.6.13 End: 2.7.13	Ground Level (m AOD): 33.28	National Grid Co-ordinate: E:341156.4 N:158684.0		Sheet: 3 of 5

Depth (m)	Samples & Testing			Mechanical Log				Backfill & Instrumentation	Water	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)						
8.50-10.00	13	SPT	N=93	93	35	21				... between 7.84m and 7.87m depth no intact (possible intensely fractured zone). ... at 7.88m and 8.38m depth very weak reddish brown silty mudstone. ... joint at 7.90m depth is 45° with fractured wall rocks (possible movement along the joint). ... joint at 7.98m depth is 20° undulating rough open. ... between 8.36m and 8.50m depth mudstone is recovered as MMGII (angular blocks of mudstone).	24.78	8.50	
8.50-8.95							80 120 280			Medium strong greenish grey thickly laminated to thinly bedded calcareous CONGLOMERATE with fine to coarse subrounded clasts of green mudstone, white siltstone and brown siltstone. (MERCIA MUDSTONE GROUP) ... between 8.80m and 8.90m depth contains fine to coarse subrounded inclusions of strong brown siltstone up to 20mm and white siltstone. Extremely weak to very weak reddish brown and greenish grey MUDSTONE interbedded with greenish grey siltstone. Fractures are 5° to 40° closely to medium spaced undulating rough with greenish grey clay. (MERCIA MUDSTONE GROUP Zone I) ... between 8.90m and 8.99m depth recovered as fine to coarse angular gravel of greenish grey weak siltstone. ... between 8.99m and 9.05m depth greenish grey siltstone with occasional staining formed by discolouration of gypsum. ... at 9.05m depth cavities formed by the discolouration of gypsum. ... between 9.05m and 10.00m depth greenish grey MMGI siltstone with MMGII between 9.65m and 9.78m depth (possible prolonged weathering along bedding fracture at 9.65m depth). ... at 9.75m depth joint is 40° undulating rough infilled with greenish grey fine to medium gravel. ... siltstone becomes weak below 9.85m depth. Borehole terminated at 10.00m depth.	24.38	8.90	
10.00-10.40	14	SPT	N=122*	100	57	39	NI 90 200				23.28	10.00	

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks	
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)		



Contract: Hinkley to Seabank 400kV Connection		Client: Electricity Alliance West		Borehole: BHC10
Contract Ref: 727635	Start: 5.6.13 End: 2.7.13	Ground Level (m AOD): 33.28	National Grid Co-ordinate: E:341156.4 N:158684.0	Sheet: 4 of 5

BHC10 4.00m to 6.00m



BHC10 6.00m to 8.50m

Method Used:	Inspection pit + Cable Percussion + Rotary Cored	Plant Used:	Dando 2000 + Comacchio GEO 205	Drilled By:	HA + JP	Logged By:	BSa RC
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Contract: Hinkley to Seabank 400kV Connection		Client: Electricity Alliance West		Borehole: BHC10
Contract Ref: 727635	Start: 5.6.13 End: 2.7.13	Ground Level (m AOD): 33.28	National Grid Co-ordinate: E:341156.4 N:158684.0	Sheet: 5 of 5

BHC10 8.50m to 10.00m



Method Used:	Inspection pit + Cable Percussion + Rotary Cored	Plant Used:	Dando 2000 + Comacchio GEO 205	Drilled By:	HA + JP	Logged By:	BSa RC
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STRUCTURAL SOILS

BOREHOLE LOG

Contract: Hinkley to Seabank 400kV Connection			Client: Electricity Alliance West		Borehole: BHC11
Contract Ref: 727635	Start: 20.5.13 End: 18.6.13	Ground Level (m AOD): 32.20	National Grid Co-ordinate: E:341454.0 N:159177.5		Sheet: 1 of 5

Depth (m)	Samples & Testing			Mechanical Log				Backfill & Instrumentation	Water	Description of Strata	Reduced Level	Depth (Thick ness)	Material Graphic Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)						
0.00-0.45	1	B								Grass over firm brown slightly sandy CLAY. (TOPSOIL)	31.75	(0.45)	
0.45-0.50	2	B								Very weak to weak thinly laminated red brown and light green grey fine grained SANDSTONE. (MERCIA MUDSTONE GROUP)	31.50	(0.25)	
0.70-2.20										Weak thinly laminated reddish brown fine to medium SANDSTONE interlaminated with greenish grey weak lenses/thin laminations of fine to medium sandstone. Bedding is 25° extremely to closely spaced undulating rough open infilled with reddish brown fine to medium clayey sand. (MERCIA MUDSTONE GROUP Zone I)	31.05	(0.45)	
1.20		HP	c _u =50/50/50							... between 0.85m and 1.00m depth joint is 50° undulating rough open staining across bedding.			
1.40		HP	c _u =62/67/62	87	23	9	NI 60 130			Firm reddish brown silty CLAY with occasional extremely weak lithorelicts of red mudstone. (MERCIA MUDSTONE GROUP Zone IVa)		(0.85)	
2.00-3.00										... at 1.50m depth 70mm greenish grey completely weathered siltstone.	30.20	2.00	
2.00-2.17	1	SPT(c)	N=300*							... between 1.97m and 2.00m depth completely weathered greenish grey siltstone.			
				40	0	0				Extremely weak to very weak greenish grey SILTSTONE recovered as fine to coarse subangular GRAVEL with low cobble content of siltstone (possible intensely fractured zone). (MERCIA MUDSTONE GROUP)		(1.80)	
3.00-4.50										... loss of recovery between 3.00m and 3.80m depth (25%) and recovered as completely weathered greenish grey soft clay.			
3.00-3.23	2	SPT(c)	N=375*	60	0	0					28.40	3.80	
										Description on next sheet		(0.35)	

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)	
						0.40	0.50	00:30	1. Location CAT scanned and inspection pit dug to 0.50m depth (bedrock in pit) prior to drilling. 2. No chemical testing @ 1.00m depth possible in CP. 3. Borehole drilled using rotary drilling techniques to completion depth. 4. 50mm diameter gas/groundwater sandpipe
Method Used:	Cable Percussion + Rotary Cored		Plant Used:	Dando 2000 + Beretta T41		Drilled By:	HA		Logged By: BSa WA



STRUCTURAL SOILS



BOREHOLE LOG

Contract: Hinkley to Seabank 400kV Connection			Client: Electricity Alliance West		Borehole: BHC11
Contract Ref: 727635	Start: 20.5.13 End: 18.6.13	Ground Level (m AOD): 32.20	National Grid Co-ordinate: E:341454.0 N:159177.5		Sheet: 2 of 5

Depth (m)	Samples & Testing			Mechanical Log				Backfill & Instrumentation	Water	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)						
4.50-5.50 4.50-4.65	3	SPT(c)	N=429*	60	0	0				Stiff reddish brown silty clay. (MERCIA MUDSTONE GROUP Zone IVb) (stratum text copied from layer at 3.80m depth from previous sheet) ... at 4.10m depth band of white gypsum. Extremely weak thinly laminated reddish brown MUDSTONE with occasional greenish grey fine to coarse sandstone crumbles into fine to coarse angular blocks of extremely weak mudstone (possible differential weathering). (MERCIA MUDSTONE GROUP Zone II) ... between 4.45m and 4.50m depth greenish grey completely weathered siltstone with some lithorelicts of siltstone (MMGIVa, possible differential weathering). ... between 4.30m and 5.30m depth extremely weak reddish brown mudstone crumbles into fine to coarse angular blocks (MMGII). Possible loss of recovery (only 20% recovered). Very weak to weak greenish grey SILTSTONE. Bedding fracture dips at 5%. (MERCIA MUDSTONE GROUP Zone I) ... at 5.58m depth bedding fracture is 5° undulating rough open with brown discolouration on surface. ... between 5.65m and 5.70m depth non intact recovered as fine to coarse gravel of angular siltstone. Very weak to weak very thinly to thinly bedded extremely closely fissured silty MUDSTONE with very closely to closely spaced very thinly to medium bedded greenish grey extremely weak siltstone. Crumbles into fine to coarse angular blocks of extremely weak to very weak mudstone and green siltstone. Bedding fracture dips 20°. (MERCIA MUDSTONE GROUP Zone II) ... at 5.70m, 6.00m, 7.50m and 7.80m depth mudstone recovered non intact MMGII. ... between 6.15m and 6.30m depth extremely weak green siltstone crumbles into fine to coarse angular blocks (MMGII). ... between 6.20m and 6.35m depth joint is planar with smears of green clay. ... at 6.50m depth thin bed of greenish grey siltstone (20mm) (MMGII).	28.05	4.15	
5.50-7.00 5.50-5.63	4	SPT(c)	N=600*	40	7	0					26.90	5.30	
7.00-8.50 7.00-7.12	5	SPT(c)	N=750*	87	0	0					26.50	5.70	

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)	
									installed as shown on completion. 5. Location: Sandford. 6. SPT hammer EQU 442 ($E_r = 60.15\%$) used.
Method Used:	Cable Percussion + Rotary Cored		Plant Used:	Dando 2000 + Beretta T41		Drilled By:	HA		All dimensions
									Logged By: BSa By: WA



Depth (m)	Samples & Testing			Mechanical Log				Backfill & Instru- mentation	Water	Description of Strata	Reduced Level	Depth (Thick- ness)	Material Graphic Legend		
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
8.50-10.00	6	SPT(c)	N=1000*	↓	↓	↓				... between 7.00m and 8.00m depth recovered as extremely weak reddish brown blocks of mudstone.	24.00	8.20			
8.50-8.61				60	10	7	↓			↓	↓	... between 7.00m and 8.50m depth recovery only 60% possible loss in the weathered MMGII between 7.00m and 8.00m depth.		23.70	(0.30)
				↑	↑	↑	↓			↓	↓	... between 8.00m and 8.20m depth weathered greenish grey siltstone crumbles into fine to coarse angular blocks of extremely weak siltstone.			
				13	0	0				Very weak/weak greenish grey thickly laminated to thinly bedded slightly weathered SILTSTONE. (MERCIA MUDSTONE GROUP Zone I) ... between 8.20m and 8.25m depth possibly very weak siltstone.		(1.50)			
				↓	↓	↓				Recovered as extremely weak to very weak angular blocks of reddish brown MUDSTONE (possible intensely fractured zone). (MERCIA MUDSTONE GROUP Zone I-II) ... total recovery between 8.50m and 10.00m depth is 15%.	22.20	10.00			
10.00-10.11	7	SPT(c)	N=1000*							Borehole terminated at 10.00m depth.					

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks	
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)		
									All dimensions	
Method Used:	Cable Percussion + Rotary Cored		Plant Used:	Dando 2000 + Beretta T41			Drilled By:	HA	Logged By:	BSA WA



Contract: Hinkley to Seabank 400kV Connection		Client: Electricity Alliance West		Borehole: BHC11
Contract Ref: 727635	Start: 20.5.13 End: 18.6.13	Ground Level (m AOD): 32.20	National Grid Co-ordinate: E:341454.0 N:159177.5	Sheet: 4 of 5

BHC11 0.70m to 3.00m



BHC11 3.00m to 5.50m

Method Used:	Cable Percussion + Rotary Cored	Plant Used:	Dando 2000 + Beretta T41	Drilled By:	HA	Logged By:	BSa WA
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Contract: Hinkley to Seabank 400kV Connection		Client: Electricity Alliance West		Borehole: BHC11
Contract Ref: 727635	Start: 20.5.13 End: 18.6.13	Ground Level (m AOD): 32.20	National Grid Co-ordinate: E:341454.0 N:159177.5	Sheet: 5 of 5

BHC11 5.50m to 10.00m



Method Used:	Cable Percussion + Rotary Cored	Plant Used:	Dando 2000 + Beretta T41	Drilled By:	HA	Logged By:	BSa WA
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Contract: Hinkley to Seabank 400kV Connection			Client: Electricity Alliance West		Borehole: BHC12A
Contract Ref: 727635	Start: 17.5.13 End: 17.6.13	Ground Level (m AOD): 10.98	National Grid Co-ordinate: E:341317.9 N:159519.9		Sheet: 1 of 4

Depth (m)	Samples & Testing			Mechanical Log				Backfill & Instrumentation	Water	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)						
0.00-0.40	1	B								Grass over brown clayey silty SAND with medium to low rootlet content. (TOPSOIL)	10.68	0.30	
0.30-1.20	2	B								Firm orange brown mottled red brown slightly sandy slightly gravelly CLAY. (MERCIA MUDSTONE GROUP)			
0.30-1.90	5	B										(1.00)	
1.20-1.65	3	U	10 blows 70% recovery						17/05 08:00	Firm reddish brown mottled blue grey slightly gravelly sandy silty CLAY. (MERCIA MUDSTONE GROUP Zone IVb)	9.68	1.30	
1.65-1.85	4	D							20/05 08:30				
2.00-2.45	6	SPT	N=10										
2.00-3.00	7	D											
3.00-4.00	10	D											
3.45-3.65	9	D											
4.00-4.45	11	SPT	N=10										
4.00-5.00	12	D											
5.00-5.45	13	U	60 blows 80% recovery										
5.45-5.65	14	D											
5.50-6.50	15	D											

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks	
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)		
17/05/13	08:00	1.20	None	150	0.90				1. Location CAT scanned and inspection pit dug to 1.20m depth prior to drilling. 2. Cable percussion borehole terminated in mudstone at 9.50m - rotary follow-on undertaken to completion depth. 3. 50mm diameter gas/groundwater sandpipe installed as shown on completion.	
17/05/13	15:00	6.50	6.00	150	6.50					
20/05/13	08:30	9.50	9.00	146	1.50					
Method Used: Inspection pit + Cable Percussion +			Plant Used: Dando 2000 + Beretta T41			Drilled By: HA + NR	Logged By: BS			



STRUCTURAL SOILS

BOREHOLE LOG

Contract: Hinkley to Seabank 400kV Connection			Client: Electricity Alliance West		Borehole: BHC12A
Contract Ref: 727635	Start: 17.5.13 End: 17.6.13	Ground Level (m AOD): 10.98	National Grid Co-ordinate: E:341317.9 N:159519.9		Sheet: 2 of 4

Depth (m)	Samples & Testing			Mechanical Log				Backfill & Instrumentation	Water	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)						
6.50-6.95	16	SPT	N=41							Firm reddish brown mottled blue grey slightly gravelly sandy silty CLAY. (MERCIA MUDSTONE GROUP Zone IVb) (stratum text copied from layer at 1.30m depth from previous sheet)	4.48	6.50	
7.00-8.00	17	D								Stiff reddish brown mottled cream mottled grey slightly gravelly CLAY. Gravel is angular to subangular fine to medium of mudstone. (MERCIA MUDSTONE GROUP Zone IVa)		(2.50)	
8.00-8.45	18	SPT	N=39								1.98	9.00	
9.50-9.91	19	SPT	N=58*							Hard to extremely weak reddish brown MUDSTONE recovered as fine to coarse gravel. (MERCIA MUDSTONE GROUP Zone III)		(2.00)	
11.00-12.00											-0.02	11.00	
11.00-11.45	20	SPT(c)	N=61							Extremely weak to very weak extremely closely fissured/jointed reddish brown silty MUDSTONE crumbles into fine to coarse angular blocks of extremely weak to very weak mudstone. Bedding is 10°. (MERCIA MUDSTONE GROUP Zone II)		(0.70)	
11.70		HP	c _u =>225							... at 11.00m depth possible bed of weak greenish grey siltstone recovered as fine to	-0.72	11.70	

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)	
									4. Location: Sandford (A368). 5. SPT hammers EQU 442 (E _r = 60.15%), EQU084-2012 (E _r = 67.22%) used.
Method Used: Inspection pit + Cable Percussion + Rotary Cored						Plant Used: Dando 2000 + Beretta T41			All dimensions
						Drilled By: HA + NR			Logged By: BS



Contract: Hinkley to Seabank 400kV Connection			Client: Electricity Alliance West			Borehole: BHC12A	
Contract Ref: 727635		Start: 17.5.13 End: 17.6.13	Ground Level (m AOD): 10.98		National Grid Co-ordinate: E:341317.9 N:159519.9		Sheet: 3 of 4

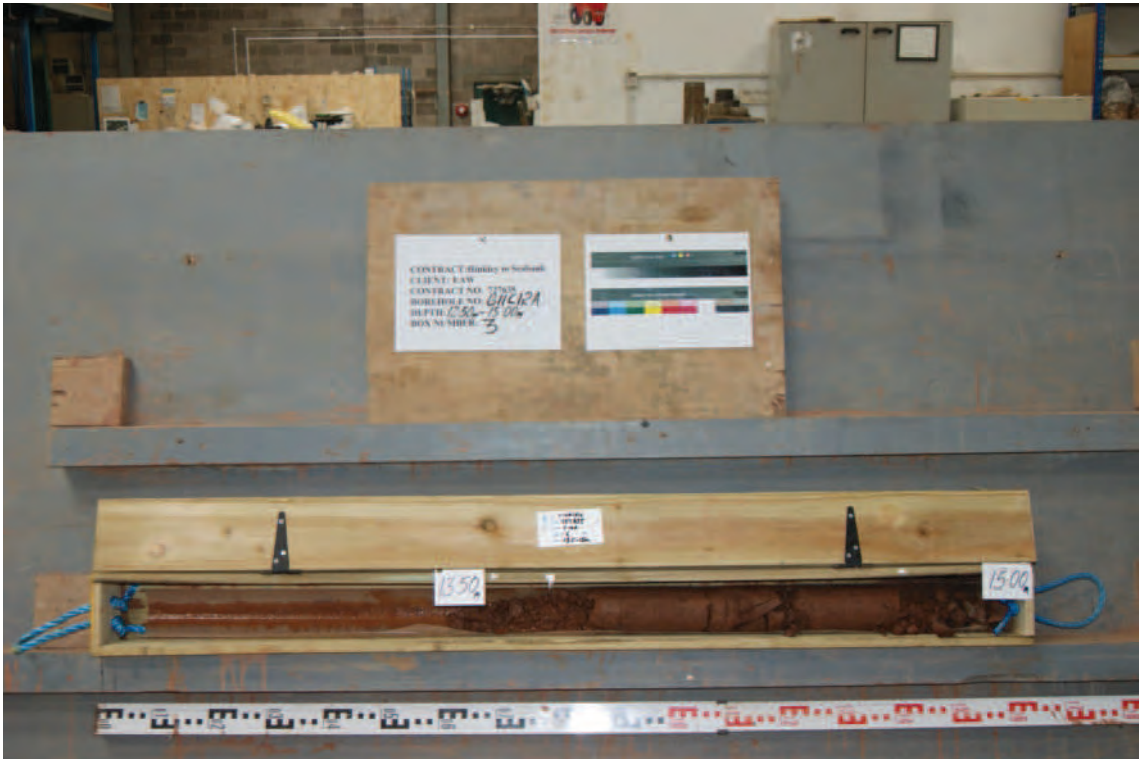
Depth (m)	Samples & Testing			Mechanical Log				Backfill & Instrumentation	Water	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)						
12.00-13.50	21	SPT(c)	N=429*	↑	↑	↑				coarse angular gravel of siltstone. ... between 11.40m and 11.70m depth mudstone crumbles into angular blocks up to 10mm.		(3.30)	
12.00-12.22				↑	↑	↑				Very stiff locally soft reddish brown silty CLAY with occasional fine to coarse angular lithorelicts of angular blocks of very weak mudstone. (MERCIA MUDSTONE GROUP Zone IVa) (stratum text copied from layer at 11.70m depth from previous sheet)			
12.50	HP		c _u =25/25	47	0	0				... between 12.00m and 12.50m depth recovery is only 40%. ... between 12.75m and 13.15m depth reddish brown silty clay is soft and becomes very stiff below 13.15m depth. ... recovery between 13.50m and 15.00m depth is only 45%.			
13.50-15.00	22	SPT(c)	N=429*	↑	↑	↑				... band of very weak fractured (MMGI) mudstone between 14.32m and 14.40m depth (possible band of unweathered lithorelicts within completely weathered clay). ... clay between 14.65m and 14.80m depth is very stiff with very weak lithorelicts of mudstone.	-4.02	15.00	
13.50-13.72				↑	↑	↑				Borehole terminated at 15.00m depth.			
15.00-15.19	23	SPT(c)	N=750*	↓	↓	↓							

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks	
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)		
Method Used:		Inspection pit + Cable Percussion + Rotary Cored		Plant Used:		Dando 2000 + Beretta T41		Drilled By:	HA + NR	Logged By: BS



Contract: Hinkley to Seabank 400kV Connection		Client: Electricity Alliance West		Borehole: BHC12A
Contract Ref: 727635	Start: 17.5.13 End: 17.6.13	Ground Level (m AOD): 10.98	National Grid Co-ordinate: E:341317.9 N:159519.9	Sheet: 4 of 4

BHC12A 11.00m to 13.50m



BHC12A 13.50m to 15.00m

Method Used:	Inspection pit + Cable Percussion + Rotary Cored	Plant Used:	Dando 2000 + Beretta T41	Drilled By:	HA + NR	Logged By:	BS
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Contract: Hinkley to Seabank 400kV Connection			Client: Electricity Alliance West		Borehole: BHC12B
Contract Ref: 727635	Start: 16.5.13 End: 14.6.13	Ground Level (m AOD): 10.53	National Grid Co-ordinate: E:341340.8 N:159536.4		Sheet: 1 of 6

Depth (m)	Samples & Testing			Mechanical Log				Backfill & Instrumentation	Water	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)						
0.10-0.40	1	B								Soft dark brown slightly sandy CLAY with rootlets. (TOPSOIL)	10.13	0.40	
0.40-1.20	2	B								Soft brownish red mottled greyish yellow slightly sandy slightly gravelly CLAY with dead plant matter. (ALLUVIUM)		(0.80)	
1.20-1.65	3	U	15 blows							Firm reddish brown slightly gravelly slightly sandy CLAY. Gravel is subangular fine to medium mudstone. (MERCIA MUDSTONE GROUP Zone IVa)	9.33	1.20	
1.20-2.00	4	D	100% recovery										
2.00-2.45	5	SPT	N=9										
2.00-3.00	6	D								... at 2.00m depth is brownish red mottled grey.		(2.80)	
3.00-3.45	7	SPT	N=11										
3.00-4.00	8	D											
4.00-4.45	9	SPT	N=18							Stiff reddish brown slightly sandy gravelly CLAY. Gravel is subangular fine to medium mudstone. (MERCIA MUDSTONE GROUP Zone IVa)	6.53	4.00	
4.00-5.00	10	D											
5.00-5.45	11	SPT	N=24							... between 5.00m to 6.25m depth light grey areas.		(2.50)	
5.50-6.50	12	D											

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks		
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)			
16/05/13	08:00	5.00	3.00	150	5.00				1. Location CAT scanned and inspection pit dug to 1.20m depth prior to drilling. 2. Cable percussion borehole terminated in mudstone at 9.00m - rotary follow-on undertaken to completion depth. 3. 50mm diameter gas/groundwater sandpipe installed as shown on completion.		
16/05/13	08:20	5.00	3.00	150	4.70						
16/05/13	12:00	7.50	7.50	150	Dry						
17/05/13	10:00	7.50	7.50	150	2.40						
17/05/13	14:00	9.00	7.50	150	5.60						
Method Used:		Inspection pit + Cable Percussion + Rotary Cored		Plant Used:		Dando 2000 + Beretta T41		Drilled By:	HA + NR	Logged By:	BSa W



STRUCTURAL SOILS

BOREHOLE LOG

Contract: Hinkley to Seabank 400kV Connection			Client: Electricity Alliance West		Borehole: BHC12B
Contract Ref: 727635	Start: 16.5.13 End: 14.6.13	Ground Level (m AOD): 10.53	National Grid Co-ordinate: E:341340.8 N:159536.4		Sheet: 2 of 6

Depth (m)	Samples & Testing			Mechanical Log				Backfill & Instrumentation	Water	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)						
6.50-6.95 6.50	13	SPT DSPT	N=57							Very stiff becoming hard reddish brown gravelly CLAY. Gravel is angular mudstone. (MERCIA MUDSTONE GROUP Zone IVa)	4.03	6.50	
7.00-7.50	14	D										(1.50)	
7.50-7.95	15	SPT	N=50								2.53	8.00	
8.00-9.00	16	D								Hard to extremely weak reddish brown MUDSTONE recovered as fine to coarse gravel. (MERCIA MUDSTONE GROUP Zone II)			
9.00-9.42	17	SPT	N=56*										
9.50-11.00				↑	↑	↑				Very stiff reddish brown silty CLAY with occasional reddish brown lithorelicts of unweathered angular extremely to very weak mudstone. (MERCIA MUDSTONE GROUP Zone IVa) ... possible differential weathering between 9.50m and 11.00m depth. Soft reddish brown silty CLAY with occasional extremely weak lithorelicts up to 10mm. (MERCIA MUDSTONE GROUP Zone IVa) Recovered as fine to coarse angular weak blocks of reddish brown silty MUDSTONE. (MERCIA MUDSTONE GROUP Zone II) Very stiff reddish brown silty CLAY with frequent thin bands up to 5mm of unweathered lithorelicts of very weak reddish brown mudstone. (MERCIA MUDSTONE GROUP Zone IVa)	1.03	9.50	
10.00		HP	c _u =225	↑	↑	↑					0.48	10.05	
10.20		HP	c _u =25/20	53	0	0						(0.45)	
10.50-12.00 10.50-10.95	18	SPT(c)	N=100	↑	↑	↑					0.03	10.50	
				↓	↓	↓						(0.95)	
				60	0	0					-0.92	11.45	
11.85		HP	c _u =225	↓	↓	↓					-1.47	12.00	

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)	
									4. Location: Sandford (A368). 5. SPT hammers EQU 442 (E _r = 60.15%), EQU084-2012 (E _r = 67.22%) used.
Method Used: Inspection pit + Cable Percussion + Rotary Cored						Plant Used: Dando 2000 + Beretta T41			All dimensions
Drilled By: HA + NR						Logged By: BSa W			



STRUCTURAL SOILS

BOREHOLE LOG

Contract: Hinkley to Seabank 400kV Connection			Client: Electricity Alliance West		Borehole: BHC12B
Contract Ref: 727635	Start: 16.5.13 End: 14.6.13	Ground Level (m AOD): 10.53	National Grid Co-ordinate: E:341340.8 N:159536.4		Sheet: 3 of 6

Depth (m)	Samples & Testing			Mechanical Log				Backfill & Instrumentation	Water	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)						
12.00-13.50	19	SPT(c)	N=232*	↑	↑	↑				III) ... band of very weak lithorelicts of angular mudstone at 11.70m depth. ... band up to 5mm of weak lithorelicts of weak mudstone up to 5mm at 11.90m and 11.75m depth. ... clay at 11.85m depth is very stiff. Very weak reddish brown silty MUDSTONE crumbles into fine to coarse angular very weak mudstone. Bedding dips at 5°. (MERCIA MUDSTONE GROUP Zone II)	-2.67	13.20	
12.00-12.30				33	0	0							
13.40	20	HP	c _u =75/105	↓	↓	↓				... possible loss of recovery between 12.00m and 13.00m depth. ... between 12.00m and 13.50m depth possible loss of recovery (recovery only 30%). Stiff becoming very stiff reddish brown silty CLAY with occasional lithorelicts/thin bands up to 5mm of very weak weathered angular mudstone. (MERCIA MUDSTONE GROUP Zone IVa) ... between 13.20m and 13.50m depth reddish silty clay is stiff where it becomes very stiff around 13.50m. ... angular blocks getting bigger and becomes very weak below 14.80m depth.		(1.80)	
13.50-15.00		SPT(c)	N=97	↓	↓	↓							
13.50-13.88				↓	↓	↓							
14.00		HP	c _u =225/225	63	0	0							
14.50	21	HP	c _u =225	↓	↓	↓				Very weak to weak extremely closely fissured/jointed reddish brown silty MUDSTONE crumbles into fine to coarse angular blocks of very weak to weak mudstone along extremely closely spaced fissures/joints. Bedding dips at 10°. (MERCIA MUDSTONE GROUP Zone II) ... mudstone between 15.00m and 16.10m depth very weak. ... thin laminations greenish grey extremely weak siltstone at 16.02m depth. ... at 16.10m depth mudstone is between MMGII and MMGI becomes MMGII weak mudstone below 16.10m depth. ... between 16.32m and 16.50m depth alternate bands of completely weathered stiff reddish brown clay (MMGIVb) (possible differential weathering at 16.30m and 16.45m depth. ... between 17.50m and 18.00m depth occasional pockets of greenish completely weathered silty clay. <i>Description on next sheet</i>	-4.47	15.00	
15.00-16.50		SPT(c)	N=136*	↓	↓	↓							
15.00-15.37				53	3	0							
16.50-18.00	22	SPT(c)	N=462*	↓	↓	↓						(4.50)	
16.50-16.64				73	0	0							

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)	
Method Used:	Inspection pit + Cable Percussion + Rotary Cored		Plant Used:	Dando 2000 + Beretta T41		Drilled By:	HA + NR		All dimensions
									Logged By: BSa W



Contract: Hinkley to Seabank 400kV Connection			Client: Electricity Alliance West			Borehole: BHC12B		
Contract Ref: 727635		Start: 16.5.13 End: 14.6.13		Ground Level (m AOD): 10.53		National Grid Co-ordinate: E:341340.8 N:159536.4		Sheet: 4 of 6

Depth (m)	Samples & Testing			Mechanical Log				Backfill & Instrumentation	Water	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)						
18.00-19.50	23	SPT(c)	N=667*	↑	↑	↑				... joint at 17.55m and 18.10m depth are 65° planar. ... mudstone between 17.70m and 18.00m depth is weak. Very weak to weak extremely closely fissured/jointed reddish brown silty MUDSTONE crumbles into fine to coarse angular blocks of very weak to weak mudstone along extremely closely spaced fissures/joints. Bedding dips at 10°. (MERCIA MUDSTONE GROUP Zone II) ... mudstone between 15.00m and 16.10m depth very weak. (stratum text copied from layer at 15.00m depth from previous sheet) ... recovered as fine to coarse angular blocks/gravel of weak mudstone (possible MMGII). Recovery only 35%. Borehole terminated at 19.50m depth.	-8.97	19.50	
18.00-18.10				33	0	0							
19.50-19.72	24	SPT(c)	N=333*	↓	↓	↓							

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks	
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)		
All dimensions										
Method Used:	Inspection pit + Cable Percussion +			Plant Used:	Dando 2000 + Beretta T41		Drilled By:	HA + NR	Logged By:	BSa W



Contract: Hinkley to Seabank 400kV Connection		Client: Electricity Alliance West		Borehole: BHC12B
Contract Ref: 727635	Start: 16.5.13 End: 14.6.13	Ground Level (m AOD): 10.53	National Grid Co-ordinate: E:341340.8 N:159536.4	Sheet: 5 of 6

BHC12B 9.50m to 12.00m



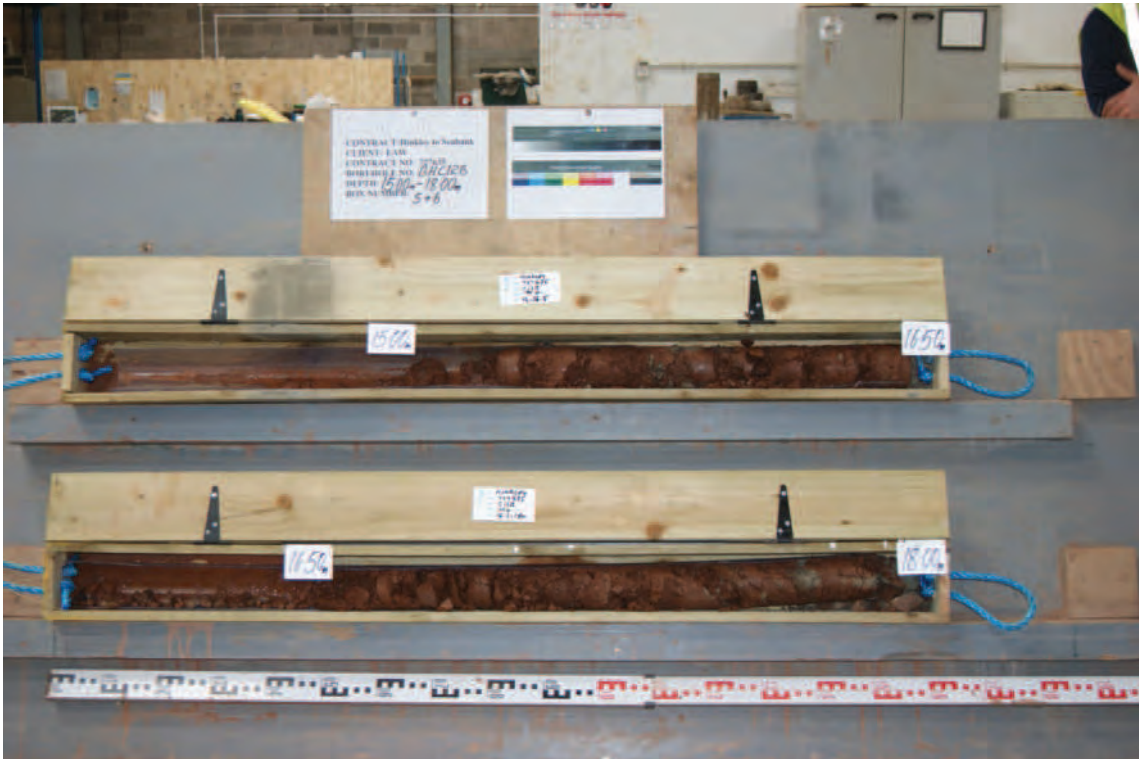
BHC12B 12.00m to 15.00m

Method Used:	Inspection pit + Cable Percussion + Rotary Cored	Plant Used:	Dando 2000 + Beretta T41	Drilled By:	HA + NR	Logged By:	BSa W
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Contract: Hinkley to Seabank 400kV Connection		Client: Electricity Alliance West		Borehole: BHC12B
Contract Ref: 727635	Start: 16.5.13 End: 14.6.13	Ground Level (m AOD): 10.53	National Grid Co-ordinate: E:341340.8 N:159536.4	Sheet: 6 of 6

BHC12B 15.00m to 18.00m



BHC12B 18.00m to 19.50m

Method Used:	Inspection pit + Cable Percussion + Rotary Cored	Plant Used:	Dando 2000 + Beretta T41	Drilled By:	HA + NR	Logged By:	BSa W
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Contract: Hinkley to Seabank 400kV Connection			Client: Electricity Alliance West		Borehole: BHC12C
Contract Ref: 727635	Start: 14.5.13 End: 20.6.13	Ground Level (m AOD): 9.70	National Grid Co-ordinate: E:341298.5 N:159551.2		Sheet: 1 of 6

Depth (m)	Samples & Testing			Mechanical Log				Backfill & Instrumentation	Water	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)						
0.00-0.20	1	B								Light brown SAND. (TOPSOIL)	9.50	0.20	
0.20-0.60	2	B								Reddish brown clayey SAND. (MERCIA MUDSTONE GROUP)		(0.40)	
0.60-1.20	3	B								Soft dark pinkish brown slightly sandy slightly gravelly CLAY. (MERCIA MUDSTONE GROUP)	9.10	0.60	
1.20-1.65	4	U	5 blows 85% recovery							Soft dark brownish red CLAY. (MERCIA MUDSTONE GROUP)	8.50	1.20	
1.20-1.90	5	D										(0.80)	
2.00-2.45	6	SPT	N=11							Firm becoming stiff reddish brown slightly sandy slightly gravelly to gravelly CLAY. Gravel is angular to subangular fine to medium mudstone lithorelicts. (MERCIA MUDSTONE GROUP Zone IVa) ... at 3.00m and 4.00m depth becomes dark brownish red mottled grey.	7.70	2.00	
2.00-3.00	7	D										(2.00)	
3.00-3.45	8	SPT	N=24							Stiff reddish brown slightly sandy gravelly CLAY. Gravel is angular to subangular fine to medium mudstone lithorelicts. (MERCIA MUDSTONE GROUP Zone III) ... at 4.00m depth becomes very weak.	5.70	4.00	
3.00-4.00	9	D										(4.00)	
4.00-4.45	10	SPT	N=33										
4.00-5.00	11	D											
5.00-5.45	12	SPT	N=32										
5.50-6.50	13	D											

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks	
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)		
14/05/13	08:30	1.20	None	150	1.20				1. Location CAT scanned and inspection pit dug to 1.20m depth prior to drilling. 2. Cable percussion borehole terminated in mudstone at 9.50m - rotary follow-on undertaken to completion depth. 3. 50mm diameter gas/groundwater sandpipe installed as shown on completion.	
14/05/13	10:00	3.00	3.00	150	3.00					
14/05/13	12:00	4.00	4.00	150	Dry					
15/05/13	08:00	5.00	4.00	150	2.50					
15/05/13	13:00	9.50	6.00	150	Dry					
Method Used: Inspection pit + Cable Percussion + Rotary Cored				Plant Used: Dando 2000 + Beretta T41			Drilled By: HA + NR		Logged By: BSa W	



Contract: Hinkley to Seabank 400kV Connection			Client: Electricity Alliance West		Borehole: BHC12C
Contract Ref: 727635	Start: 14.5.13 End: 20.6.13	Ground Level (m AOD): 9.70	National Grid Co-ordinate: E:341298.5 N:159551.2		Sheet: 2 of 6

Depth (m)	Samples & Testing			Mechanical Log				Backfill & Instrumentation	Water	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)						
6.50-6.95	14	SPT	N=35							Stiff reddish brown slightly sandy gravelly CLAY. Gravel is angular to subangular fine to medium mudstone lithorelicts. (MERCIA MUDSTONE GROUP Zone III) ... at 4.00m depth becomes very weak. (stratum text copied from layer at 4.00m depth from previous sheet)	1.70	8.00	
7.00-8.00	15	D											
8.00-8.38	16	SPT	N=67*							Hard to extremely weak reddish brown mottled grey-green MUDSTONE. (MERCIA MUDSTONE GROUP Zone II) ... at 8.00m depth becomes brownish red mottled grey.		(2.50)	
8.50-9.50	17	D											
9.50-9.88	18	SPT	N=67*								-0.80	10.50	
10.50-11.50	19	SPT(c)	N=17										
10.50-10.95		HP	c _u =162/180/175							Very stiff locally stiff reddish brown silty CLAY with occasional lithorelicts of extremely weak red mudstone with up to 3mm arranged in ordered way. (MERCIA MUDSTONE GROUP Zone IVa) ... completely weathered band of greenish grey siltstone at 10.65m depth. ... between 10.80m and 11.00m depth MMGIVa grades back to MMGIII with occasional lithorelicts up to 10mm (possible differential weathering). ... between 11.00m and 11.20m depth very stiff reddish brown clay becomes		(1.00)	
10.80		HP	c _u =100/87/100	100	0	0							
11.00		HP											
11.40	20	HP	c _u =175/200/187								-1.80	11.50	
11.50-13.00		SPT(c)	N=150*										
11.50-11.78				13	0	0							

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)	
									4. Location: Sandford (A368). 5. SPT hammers EQU 442 (E _r = 60.15%), EQU084-2012 (E _r = 67.22%) used.
Method Used:	Inspection pit + Cable Percussion + Rotary Cored		Plant Used:	Dando 2000 + Beretta T41		Drilled By:	HA + NR		Logged By: BSa W



STRUCTURAL SOILS

BOREHOLE LOG

Contract: Hinkley to Seabank 400kV Connection			Client: Electricity Alliance West		Borehole: BHC12C
Contract Ref: 727635	Start: 14.5.13 End: 20.6.13	Ground Level (m AOD): 9.70	National Grid Co-ordinate: E:341298.5 N:159551.2		Sheet: 3 of 6

Depth (m)	Samples & Testing			Mechanical Log				Backfill & Instrumentation	Water	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)						
13.00-14.50 13.00-13.30	21	SPT(c)	N=133*	13	0	0				locally stiff and grades back to very stiff below 11.20m depth. Recovered as reddish brown very clayey fine to coarse angular GRAVEL of extremely weak to very weak silty mudstone (possible intensely fractured zone). (MERCIA MUDSTONE GROUP) ... poor recovery between 11.50m and 13.00m depth recovery is less than 15%. (stratum text copied from layer at 11.50m depth from previous sheet) No recovery (possible intensely fractured zone). (MERCIA MUDSTONE GROUP)	-3.30	13.00	
14.50-16.00 14.50-14.74	22	SPT(c)	N=188*	0	0	0					-4.80	14.50	ZCL
16.00-17.50 16.00-16.17	23	SPT(c)	N=333*	33	0	0				Extremely weak to very weak reddish brown silty MUDSTONE with occasional greenish grey pockets of completely weathered siltstone crumbles/breaks up into fine to coarse angular blocks of extremely weak to very weak reddish brown mudstone. (MERCIA MUDSTONE GROUP Zone II) ... only 35% recovery between 14.50m and 16.00m depth (possible intensely fractured zone).	-6.30	16.00	
17.50-19.00 17.50-17.59	26	SPT(c)	N=500*	47	10	0	NI 80 90			Weak reddish brown mottled greenish grey MUDSTONE recovered/crumbles into fine to coarse angular blocks of weak mudstone with some intact reddish brown weak mudstone in places. (MERCIA MUDSTONE GROUP Zone II) ... only 45% recovery between 16.00m and 17.50m depth with possible loss of recovery within MMGII between 16.00m to 17.00m and 17.20m to 17.40m depth where mudstone recovered/crumbles into fine to coarse angular blocks of weak mudstone with greenish grey siltstone. ... band of completely weathered mudstone at 17.05m depth (possible MMGIVb). ... MMGII grades back to MMGI (intact rock) between 17.10m to 17.17m depth	-7.80	17.50	

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)	
Method Used:	Inspection pit + Cable Percussion + Rotary Cored		Plant Used:	Dando 2000 + Beretta T41		Drilled By:	HA + NR		All dimensions
									Logged By: BSa W



Contract: Hinkley to Seabank 400kV Connection			Client: Electricity Alliance West			Borehole: BHC12C		
Contract Ref: 727635		Start: 14.5.13 End: 20.6.13	Ground Level (m AOD): 9.70		National Grid Co-ordinate: E:341298.5 N:159551.2		Sheet: 4 of 6	

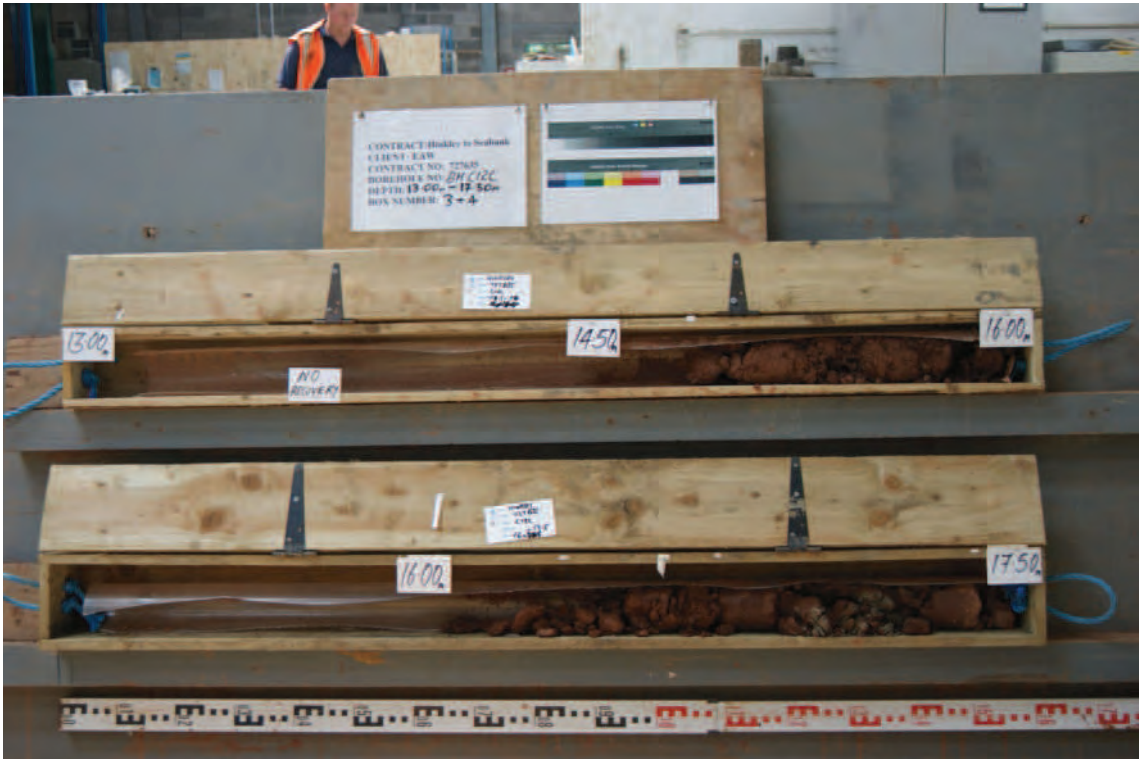
Depth (m)	Samples & Testing			Mechanical Log				Backfill & Instrumentation	Water	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)						
19.00-20.00	24	SPT(c)	N=500*	13	0	0				and 17.40m to 17.50m depth. Weak reddish brown silty MUDSTONE recovered as fine to coarse angular GRAVEL of mudstone (possible intensely fractured zone). (MERCIA MUDSTONE GROUP) ... poor recovery between 17.50m and 19.00m depth, around 13%. <i>(stratum text copied from layer at 17.50m depth from previous sheet)</i>	-9.30	19.00	
19.00-19.14				80	8	0	NI 10 70			Weak reddish brown silty MUDSTONE recovered/breaks up into fine to coarse angular gravel of mudstone with occasional thin bedded reddish brown completely weathered mudstone. (MERCIA MUDSTONE GROUP Zone II) ... between 19.00m and 20.00m depth weathering of mercia mudstone is not uniform when MMGII grades back to MMGIVb and into MMGI. ... possible loss of recovery (20%) within MMGII between 19.08m and 19.70m depth. ... mudstone between 19.10m and 19.18m depth[th grades back to intact MMGI. ... between 19.70m and 19.75m depth very stiff reddish brown silty clay (completely weathered MMG). ... between 19.85m and 19.95m depth thin bed of very stiff reddish brown silty clay (completely weathered MMGIII to MMGIVb). ... MMGIVb grades back to MMGI at 19.95m depth. Borehole terminated at 20.00m depth.	-10.30	20.00	
20.00-20.28	25	SPT(c)	N=231*										

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks	
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)		



Contract: Hinkley to Seabank 400kV Connection		Client: Electricity Alliance West		Borehole: BHC12C
Contract Ref: 727635	Start: 14.5.13 End: 20.6.13	Ground Level (m AOD): 9.70	National Grid Co-ordinate: E:341298.5 N:159551.2	Sheet: 5 of 6

BHC12C 10.50m to 13.00m



BHC12C 13.00m to 17.50m

Method Used:	Inspection pit + Cable Percussion + Rotary Cored	Plant Used:	Dando 2000 + Beretta T41	Drilled By:	HA + NR	Logged By:	BSa W
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Contract: Hinkley to Seabank 400kV Connection		Client: Electricity Alliance West		Borehole: BHC12C
Contract Ref: 727635	Start: 14.5.13 End: 20.6.13	Ground Level (m AOD): 9.70	National Grid Co-ordinate: E:341298.5 N:159551.2	Sheet: 6 of 6

BHC12C 17.50m to 20.00m



Method Used:	Inspection pit + Cable Percussion + Rotary Cored	Plant Used:	Dando 2000 + Beretta T41	Drilled By:	HA + NR	Logged By:	BSa W
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Contract: Hinkley to Seabank 400kV Connection			Client: Electricity Alliance West		Borehole: BHC12D
Contract Ref: 727635	Start: 15.5.13 End: 26.6.13	Ground Level (m AOD): 9.91	National Grid Co-ordinate: E:341322.0 N:159572.0		Sheet: 1 of 4

Depth (m)	Samples & Testing			Mechanical Log				Backfill & Instrumentation	Water	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)						
0.00-0.15	1	B								Grass overlaying light brown SAND with rootlets.	9.76	0.15	
0.15-1.20	2	B								(TOPSOIL) Firm dark brownish red slightly sandy slightly gravelly CLAY. (MERCIA MUDSTONE GROUP)		(1.25)	
1.20	3	U	35 blows 100% recovery								8.51	1.40	
1.40-2.00	4	D								Stiff becoming very stiff reddish brown slightly sandy gravelly CLAY. Gravel is angular fine to medium of mudstone lithorelicts. (MERCIA MUDSTONE GROUP)			
2.00-2.45	5	SPT	N=30										
2.00-3.00	6	D										(2.60)	
3.00-3.45	7	SPT	N=37							... grey mottling visible at 3.00m depth			
3.00-4.00	8	D											
4.00-4.45	9	SPT	N=47								5.91	4.00	
4.00-5.00	10	D								Hard to locally extremely weak dark brownish red MUDSTONE. (MERCIA MUDSTONE GROUP Zone III)			
5.00-5.45	11	SPT	N=40										
5.50-6.50	12	D										(4.00)	

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)	
15/05/13	14:00	1.20	None	150	0.90	7.00	7.50	00:30	1. Location CAT scanned and inspection pit dug to 1.20m depth prior to drilling. 2. Cable percussion borehole terminated in mudstone at 8.00m - rotary follow-on undertaken to completion depth. 3. 50mm diameter gas/groundwater sandpipe installed as shown on completion.
15/05/13	16:30	5.00	3.00	150	3.70				
16/05/13	09:30	7.50	4.50	150	4.20				
24/06/13	09:00	8.00	8.00	146	0.70				
Method Used: Inspection pit + Cable Percussion + Rotary Cored						Drilled By: HA + NR			Logged By: BSa W
Plant Used: Dando 2000 + Beretta T41									



STRUCTURAL SOILS

BOREHOLE LOG

Contract: Hinkley to Seabank 400kV Connection			Client: Electricity Alliance West		Borehole: BHC12D
Contract Ref: 727635	Start: 15.5.13 End: 26.6.13	Ground Level (m AOD): 9.91	National Grid Co-ordinate: E:341322.0 N:159572.0		Sheet: 2 of 4

Depth (m)	Samples & Testing			Mechanical Log				Backfill & Instrumentation	Water	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)						
6.50-6.95 6.50-7.50	13 14	SPT D	N=46							Hard to locally extremely weak dark brownish red MUDSTONE. (MERCIA MUDSTONE GROUP Zone III) (stratum text copied from layer at 4.00m depth from previous sheet) ... becoming thinly laminated below 6.50m depth			
7.50-7.95	15	SPT	N=54								1.91	8.00	
8.00-9.00 8.00-8.45	1	SPT(c)	N=100							Stiff to very stiff reddish brown silty CLAY with occasional fine to coarse lithorelicts of extremely weak/very weak red mudstone arranged in a ordered way. (MERCIA MUDSTONE GROUP Zone IVa) ... occasional greenish grey mottling at 8.70m depth. ... becomes very stiff at 8.90m depth. ... at 8.98m depth thick lenses of greenish grey completely weathered siltstone.		(1.00)	
8.50		HP	c _u =125/130	60	0	0					0.91	9.00	
8.90 9.00-10.50 9.00-9.18	3	SPT(c)	N=300*							No recovery 9.00m to 10.50m run. (possible intensely fractured zone) (MERCIA MUDSTONE GROUP)		(1.50)	ZCL
10.00-10.24	5	SPT(c)	N=188*	0	0	0					-0.59	10.50	
10.50-12.00										Recovered as reddish brown very clayey fine to coarse angular GRAVEL. Gravel is angular weak/very weak red mudstone (possible intensely fractured zone) (MERCIA MUDSTONE GROUP) ... cobble up to 100mm intact unweathered red mudstone at 11.75m		(1.50)	
				73	7	7					-2.09	12.00	

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)	
									4. Location: Sandford (A368). 5. SPT hammers EQU 442 (E _r = 60.15%), EQU084 - 2013 (E _r = 67.22%) used.
Method Used:	Inspection pit + Cable Percussion + Rotary Cored		Plant Used:	Dando 2000 + Beretta T41		Drilled By:	HA + NR		All dimensions
									Logged By: BSa W



Contract: Hinkley to Seabank 400kV Connection			Client: Electricity Alliance West		Borehole: BHC12D
Contract Ref: 727635	Start: 15.5.13 End: 26.6.13	Ground Level (m AOD): 9.91	National Grid Co-ordinate: E:341322.0 N:159572.0		Sheet: 3 of 4

Depth (m)	Samples & Testing			Mechanical Log				Backfill & Instrumentation	Water	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)						
12.00-13.50 12.00-12.23	7	SPT(c)	N=200*	↑ 13	↑ 0	↑ 0				depth. Recovered as fine to coarse angular GRAVEL of weak to medium strong reddish brown mudstone (possible intensely fractured zone) (MERCIA MUDSTONE GROUP) . . . only 15% between 12.00m and 13.50m depth.		(2.55)	
13.50-15.00 13.50-13.88	9	SPT(c)	N=100	↑ 47	↑ 7	↑ 0				. . . between 13.50m and 14.50m depth possible loss of 80% and recovered as fine to coarse very clayey gravel of weak angular red mudstone.			
14.90 15.00-15.16	11	HP SPT(c)	c _e =50/60 N=375*	↓	↓	↓				. . . between 14.50m and 14.55m depth weak greenish grey intact unweathered calcareous siltstone. Weak reddish brown silty MUDSTONE crumbles into fine to coarse angular blocks of red mudstone along extremely closely spaced fractures/joints. (MERCIA MUDSTONE GROUP Zone II) . . . between 14.76m and 14.86m depth weak greenish grey unweathered calcareous siltstone. Firm stiff reddish brown and greenish grey silty CLAY with occasional lithorelicts of very weak red mudstone up to 10mm. (MERCIA MUDSTONE GROUP Zone III) . . . at 14.98m depth thin lense of greenish grey clay (completely weathered greenish grey clay) (MMGIVb). Borehole terminated at 15.00m depth.	-4.64 -4.95 -5.09	14.55 14.86 15.00	

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)	
Method Used:	Inspection pit + Cable Percussion + Rotary Cored		Plant Used:	Dando 2000 + Beretta T41			Drilled By:	HA + NR	All dimensions Logged By: BSa W



Contract: Hinkley to Seabank 400kV Connection		Client: Electricity Alliance West		Borehole: BHC12D
Contract Ref: 727635	Start: 15.5.13 End: 26.6.13	Ground Level (m AOD): 9.91	National Grid Co-ordinate: E:341322.0 N:159572.0	Sheet: 4 of 4

BHC12D 8.00m to 12.00m



BHC12D 12.00m to 15.00m

Method Used:	Inspection pit + Cable Percussion + Rotary Cored	Plant Used:	Dando 2000 + Beretta T41	Drilled By:	HA + NR	Logged By:	BSa W
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STRUCTURAL SOILS

BOREHOLE LOG

Contract: Hinkley to Seabank 400kV Connection			Client: Electricity Alliance West		Borehole: BHC13
Contract Ref: 727635	Start: 5.6.13 End: 6.6.13	Ground Level (m AOD): 9.68	National Grid Co-ordinate: E:341234.8 N:160094.9		Sheet: 1 of 2

Depth (m)	Samples & Testing			Backfill & Instrumentation	Water	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
	No	Type	Results						
0.10-0.50	1	B				Grass over soft light brown sandy CLAY. (TOPSOIL)		(0.50)	
0.50-1.20	2	B				Reddish brown mottled grey-yellow slightly sandy slightly gravelly CLAY. Gravel is subangular to subrounded fine claystone. (ALLUVIUM)	9.18	0.50	
1.20-1.65	3	SPT	N=16			Dark reddish brown slightly sandy slightly gravelly silty CLAY. (ALLUVIUM)	8.48	1.20	
1.20-2.00	4	D							
2.00-2.45	5	SPT	N=32					(1.80)	
2.00-3.00	6	D							
3.00-3.45	7	SPT	N=35			Dense dark reddish brown mottled grey-yellow clayey SAND. (ALLUVIUM)	6.68	3.00	
3.00-4.00	8	D							
4.00-4.45	9	SPT	N=37			... becoming reddish brown at 4.00m depth		(3.50)	
4.00-5.00	10	D							
5.00-5.45	11	SPT	N=40			... becoming mottled grey at 5.00m depth			
5.50-6.50	12	D							

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks		
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)			
06/06/13	09:00	6.50	1.50	150	2.70	8.00	8.50	00:30	1. Location CAT scanned and inspection pit dug to 1.20m depth prior to drilling. 2. Cable percussion borehole terminated in mudstone at 8.50m - no rotary follow-on undertaken. 3. 50mm diameter gas/groundwater sandpipe installed as shown on completion.		
06/06/13	10:00	8.50	1.50	150	Dry						
Method Used:		Inspection pit + Cable Percussion		Plant Used:		Dando 2000		Drilled By:	HA	Logged By:	W



Contract: Hinkley to Seabank 400kV Connection			Client: Electricity Alliance West		Borehole: BHC13
Contract Ref: 727635	Start: 5.6.13 End: 6.6.13	Ground Level (m AOD): 9.68	National Grid Co-ordinate: E:341234.8 N:160094.9		Sheet: 2 of 2

Depth (m)	Samples & Testing			Backfill & Instru- mentation	Water	Description of Strata	Reduced Level	Depth (Thick- ness)	Material Graphic Legend
	No	Type	Results						
6.50-6.95	13	SPT	N=32			Dense dark reddish brown mottled grey-yellow clayey SAND. (ALLUVIUM) <i>(stratum text copied from layer at 3.00m depth from previous sheet)</i>	3.18	6.50	
7.00-8.00	14	D				Stiff becoming hard dark reddish brown mottled grey gravelly CLAY. Gravel is angular extremely weak mudstone. (MERCIA MUDSTONE GROUP)		(2.00)	
8.00-8.45	15	SPT	N=45						
8.00-8.45	16	D							
8.50-8.88	17	SPT	N=67*			Borehole terminated at 8.50m depth.	1.18	8.50	

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)	
									4. Location: Sandford. 5. SPT hammer EQU084 - 2013 ($E_r = 67.22\%$) used.
Method Used: Inspection pit + Cable Percussion						Plant Used: Dando 2000			All dimensions
Drilled By: HA						Logged By: W			



STRUCTURAL SOILS

BOREHOLE LOG

Contract: Hinkley to Seabank 400kV Connection			Client: Electricity Alliance West		Borehole: BHC14
Contract Ref: 727635	Start: 12.6.13 End: 25.6.13	Ground Level (m AOD): 7.58	National Grid Co-ordinate: E:341532.5 N:160552.7		Sheet: 1 of 7

Depth (m)	Samples & Testing			Mechanical Log				Backfill & Instrumentation	Water	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)						
0.00-0.50	1	B								Grass overlaying soft light brown sandy CLAY. (TOPSOIL)		(0.50)	
0.50-1.00	2	B								Soft brownish red slightly gravelly sandy CLAY. Gravel is subrounded fine to medium claystone and lithorelicts. (MERCIA MUDSTONE GROUP)	7.08	0.50	
1.00-2.00	3	B								Firm dark brownish grey mottled red partially slightly sandy slightly gravelly CLAY. Gravel is subangular fine to coarse mudstone lithorelicts. (MERCIA MUDSTONE GROUP Zone IVa)			
1.20-1.65	4	SPT	N=14										
2.00-2.45	6	U ₍₁₀₀₎	70 blows										
2.00-3.00	8	D	50% recovery										
2.45	7	D											
3.00-3.45	9	SPT	N=31								4.58	3.00	
3.00-4.00	10	D								Stiff to very stiff dark brownish red slightly gravelly CLAY. Gravel is subangular fine to coarse mudstone lithorelicts. (MERCIA MUDSTONE GROUP Zone IVa)			
4.00-4.45	11	SPT	N=33							... at 3.00m depth dark brownish red.			
4.00-5.00	12	D											
5.00-5.45	13	SPT	N=36							... at 5.00m depth dark brownish red mottled bluish grey.			
5.50-6.50	14	D										(5.50)	

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)	
12/06/13	14:40	9.20	9.00	150	9.20	14.00	15.00	01:00	1. Location CAT scanned and inspection pit dug to 1.20m depth prior to drilling. 2. Cable percussion borehole terminated in mudstone at 15.00m - rotary follow-on undertaken to completion depth. 3. 50mm diameter gas/groundwater sandpipe installed as shown on completion. All dimensions
12/06/13	16:40	9.20	9.00	150	4.10				
13/06/13	08:50	9.20	9.00	150	2.30				
13/06/13	13:30	15.00	15.00	150	4.80				
25/06/13	07:00	15.00	15.00	146	0.40				
26/06/13	08:00	17.50	17.10	146	0.70				
25/06/13	07:00	15.00	15.00	146	0.40				
Method Used:	Cable Percussion + Rotary Cored		Plant Used:	Dando 2000 + Comacchio GEO 205		Drilled By:	HA + JP		Logged By: BSa W



Contract: Hinkley to Seabank 400kV Connection			Client: Electricity Alliance West			Borehole: BHC14		
Contract Ref: 727635		Start: 12.6.13 End: 25.6.13	Ground Level (m AOD): 7.58		National Grid Co-ordinate: E:341532.5 N:160552.7		Sheet: 2 of 7	

Depth (m)	Samples & Testing			Mechanical Log				Backfill & Instru- mentation	Water	Description of Strata	Reduced Level	Depth (Thick- ness)	Material Graphic Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)						
6.50-6.95	15	SPT	N=23							Stiff to very stiff dark brownish red slightly gravelly CLAY. Gravel is subangular fine to coarse mudstone lithorelicts. (MERCIA MUDSTONE GROUP Zone IVa) ... at 3.00m depth dark brownish red. (stratum text copied from layer at 3.00m depth from previous sheet)			
7.00-8.00	16	D											
8.00-8.45	17	SPT	N=34										
8.00-8.65	18	D									-0.92	8.50	
8.70-9.15	19	SPT	N=31							Hard to extremely weak reddish brown MUDSTONE. (MERCIA MUDSTONE GROUP Zone II)	-1.12	8.70	
8.70-9.20	20	B								Stiff dark brownish red partially slightly gravelly CLAY. Gravel is fine to medium mudstone lithorelicts. (MERCIA MUDSTONE GROUP Zone III)			
9.20-9.65	21	SPT	N=27									(1.80)	
9.20-10.50	22	B									-2.92	10.50	
10.50-10.95	23	SPT	N=5							Dark brownish red MUDSTONE recovered as loose GRAVEL of mudstone. Gravel is coarse mudstone. (MERCIA MUDSTONE GROUP Zone II)		(0.50)	
11.00-12.00	24	B								Stiff dark brownish red partially slightly gravelly CLAY. Gravel is fine to medium mudstone lithorelicts. (MERCIA MUDSTONE GROUP Zone III)	-3.42	11.00	

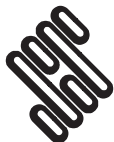
Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)	
									4. Location: Sandford (North Mendips Sealing End). 5. SPT hammers EQU084 - 2013 ($E_r = 67.22\%$), EQU089-2012 ($E_r = 61.46\%$) used.
Method Used: Cable Percussion + Rotary Cored						Plant Used: Dando 2000 + Comacchio GEO 205			All dimensions
						Drilled By: HA + JP			Logged By: BSa W



Depth (m)	Samples & Testing			Mechanical Log				Backfill & Instru- mentation	Water	Description of Strata	Reduced Level	Depth (Thick- ness)	Material Graphic Legend		
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
12.00-12.45	25	SPT	N=21							Stiff dark brownish red partially slightly gravelly CLAY. Gravel is fine to medium mudstone lithorelicts. (MERCIA MUDSTONE GROUP Zone III) <i>(stratum text copied from layer at 11.00m depth from previous sheet)</i> ... at 13.00m depth gravel is fine, matrix less than 5%.		(2.70)			
12.50-13.50	26	B													
13.50-13.94	27	SPT	N=53*												
14.00-15.00	28	B													
15.00-15.40	29	SPT	N=61*												
15.50-16.50				↑ 10 ↓	↑ 0 ↓	↑ 0 ↓					Recovered as fine to coarse GRAVEL of angular weak to very weak mudstone (possible intensely fractured zone). (MERCIA MUDSTONE GROUP) ... poor recovery (only 10%) between 15.50m and 16.50m depth (MMG).			(1.00)	
16.50-17.50				↑	↑	↑									
16.50-16.95	30	SPT	N=89	0	0	0					No recovery 16.50m to 17.50m core run (possible intensely fractured zone). (MERCIA MUDSTONE GROUP)				
17.50-18.50				↑	↑	↑									
17.50-17.95	31	SPT	N=85	10	0	0									

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks	
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)		
									All dimensions	
Method Used:	Cable Percussion + Rotary Cored			Plant Used:	Dando 2000 + Comacchio GEO 205		Drilled By:	HA + JP	Logged By:	BSa W

PRINT LIBRARY V8 04 GLBLLog COMPOSITE LOG: 727635 HINKLEY TO SEABANK GPJ - v8 04 | 17/10/13 - 21:55 AD.
Structural Soils Ltd, Head Office - Bristol: The Old School, Stillhouse Lane, Bedminster, Bristol, BS3 4EB. Tel: 0117-947-1000, Fax: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk.



Contract: Hinkley to Seabank 400kV Connection				Client: Electricity Alliance West				Borehole: BHC14	
Contract Ref: 727635		Start: 12.6.13	Ground Level (m AOD): 7.58		National Grid Co-ordinate: E:341532.5 N:160552.7			Sheet: 5 of 7	
		End: 25.6.13							

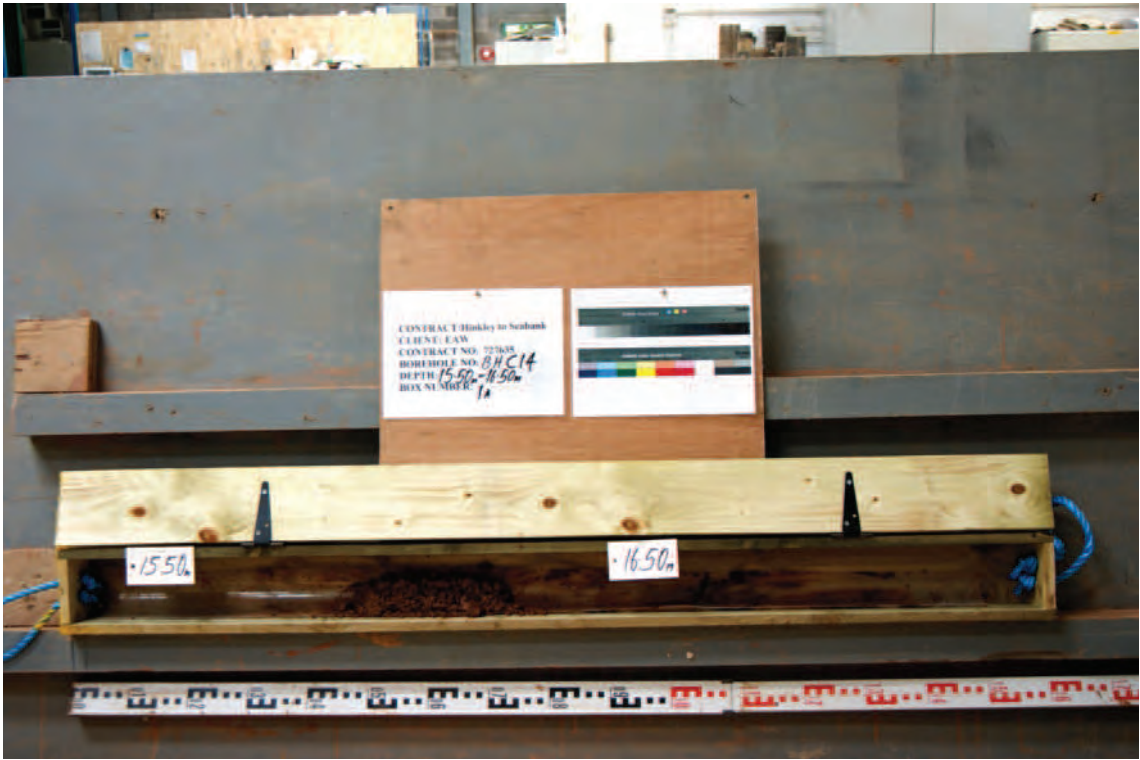
Depth (m)	Samples & Testing			Mechanical Log				Backfill & Instrumentation	Water	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)						
				73	0	0				... between 22.80m and 23.30m depth recovered as fine to coarse angular blocks of weak mudstone.	-16.72	24.30	
										... between 23.30m and 23.50m depth grades break to MMGIVa, stiff reddish brown silty clay with some lithorelicts up to 5mm(MMGIVa).			
										... between 23.50m and 24.30m depth possible loss of core up to 30% and recovered as fine to coarse angular weak red mudstone (MMGII).			
										Borehole terminated at 24.30m depth.			

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks	
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)		



Contract: Hinkley to Seabank 400kV Connection		Client: Electricity Alliance West		Borehole: BHC14
Contract Ref: 727635	Start: 12.6.13 End: 25.6.13	Ground Level (m AOD): 7.58	National Grid Co-ordinate: E:341532.5 N:160552.7	Sheet: 6 of 7

BHC14 15.50m to 16.50m



BHC14 18.50m to 21.30m

Method Used:	Cable Percussion + Rotary Cored	Plant Used:	Dando 2000 + Comacchio GEO 205	Drilled By:	HA + JP	Logged By:	BSa W
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Contract: Hinkley to Seabank 400kV Connection		Client: Electricity Alliance West		Borehole: BHC14
Contract Ref: 727635	Start: 12.6.13 End: 25.6.13	Ground Level (m AOD): 7.58	National Grid Co-ordinate: E:341532.5 N:160552.7	Sheet: 7 of 7

BHC14 21.30m to 24.30m



Method Used:	Cable Percussion + Rotary Cored	Plant Used:	Dando 2000 + Comacchio GEO 205	Drilled By:	HA + JP	Logged By:	BSa W
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Contract: Hinkley to Seabank 400kV Connection			Client: Electricity Alliance West		Borehole: BHC-LD39
Contract Ref: 727635		Start: 6.6.13 End: 20.6.13	Ground Level (m AOD): 6.85	National Grid Co-ordinate: E:341561.0 N:160606.9	Sheet: 1 of 8

Depth (m)	Samples & Testing			Mechanical Log				Backfill & Instrumentation	Water	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)						
0.10-0.50	1	B								Light greyish brown sandy CLAY. (TOPSOIL)		(0.50)	
0.50-1.20	2	B							19/06 12:20	Light brownish grey clayey slightly gravelly SAND. Gravel is rounded to subangular fine to coarse flint and sandstone. (MERCIA MUDSTONE GROUP)	6.35	0.50	
1.20-1.65 1.20-2.00	3 4	SPT D	N=12							Firm dark brownish red mottled grey slightly sandy CLAY. (MERCIA MUDSTONE GROUP)	5.65	1.20	
2.00-2.45 2.00-3.00	5 7	U D	80 blows 75% recovery										
2.45-2.65	6	D											
3.00-3.45 3.00-4.00	8 9	SPT D	N=9									(3.80)	

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)	
06/06/13	16:45	7.10	1.50	150	Dry	6.80	7.10	00:30	1. Location CAT scanned and inspection pit dug to 1.20m depth prior to drilling.
19/06/13	12:20	2.00	None	150	0.55				2. Cable percussion borehole terminated in mudstone at 7.10m - rotary follow-on undertaken to completion depth.
									3. 50mm diameter gas/groundwater sandpipe installed as shown on completion.
Method Used: Inspection pit + Cable Percussion + Rotary Cored						Plant Used: Dando 2000 + Comacchio GEO 205			All dimensions
						Drilled By: HA			Logged By: BSa
									W



Contract: Hinkley to Seabank 400kV Connection				Client: Electricity Alliance West				Borehole: BHC-LD39	
Contract Ref: 727635		Start: 6.6.13 End: 20.6.13		Ground Level (m AOD): 6.85		National Grid Co-ordinate: E:341561.0 N:160606.9		Sheet: 2 of 8	

Depth (m)	Samples & Testing			Mechanical Log				Backfill & Instru- mentation	Water	Description of Strata	Reduced Level	Depth (Thick- ness)	Material Graphic Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)						
4.00-4.45	10	U	60 blows 100% recovery							Firm dark brownish red mottled grey slightly sandy CLAY. (MERCIA MUDSTONE GROUP) (stratum text copied from layer at 1.20m depth from previous sheet)			
4.00-5.00	12	D											
4.45-4.65	11	D											
5.00-5.45	13	SPT	N=29							Stiff dark brownish red slightly sandy slightly gravelly CLAY. Gravel is subangular fine to locally medium mudstone lithorelicts. (MERCIA MUDSTONE GROUP)	1.85	5.00	
5.50-6.50	14	D											
6.50-6.95	15	U	70 blows 80% recovery									(3.20)	
6.50-7.10	16	D											
7.10-7.25	17	SPT	N=200*										

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)	
									4. Location: Sandford (North Mendips Sealing End). 5. SPT hammers EQU084 - 2013 ($E_r = 67.22\%$), EQU089-2012 ($E_r = 61.46\%$) used.
Method Used: Inspection pit + Cable Percussion + Rotary Cored						Plant Used: Dando 2000 + Comacchio GEO 205			All dimensions
						Drilled By: HA			Logged By: BSa W





Contract: Hinkley to Seabank 400kV Connection			Client: Electricity Alliance West		Borehole: BHC-LD39
Contract Ref: 727635	Start: 6.6.13 End: 20.6.13	Ground Level (m AOD): 6.85	National Grid Co-ordinate: E:341561.0 N:160606.9		Sheet: 4 of 8

Depth (m)	Samples & Testing			Mechanical Log				Backfill & Instrumentation	Water	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)						
12.30-13.80 12.30-12.41	20	SPT	N=273*	80	0	0				spaced joints which crumble into angular blocks under pressure (MMGII). ... between 11.80m and 12.50m depth mudstone contains vertical pockets of greenish grey siltstone. Very weak to weak extremely fissured reddish brown MUDSTONE crumbles into fine to coarse angular blocks of very weak/weak mudstone up to 60mm. Bedding dips 15° to 20°. (MERCIA MUDSTONE GROUP Zone II) <i>(stratum text copied from layer at 8.65m depth from previous sheet)</i> ... between 12.30m-13.80m mudstone is weak, crumbles along extremely closely spaced joints/fissures (MMGII).			
13.80-15.30 13.80-13.95	21	SPT	N=221*	80	0	0				... between 13.80m-14.12m recovered as fine to coarse angular fragments of weak mudstone. ... between 14.20m-14.25m mudstone is between MMGI and MMGII grades. ... between 14.25m-14.35m recovered non-intact.	-7.95	14.80	
15.30-16.80 15.30-15.44	22	SPT	N=231*	93	3	0				Stiff reddish brown silty CLAY with occasional fine to medium extremely weak reddish brown mudstone gravel. (MERCIA MUDSTONE GROUP Zone IVa)	-8.45	15.30	
				97	31	7	NI 90 140			Weak very thinly to thinly bedded reddish brown silty MUDSTONE with occasional pockets of greenish grey SILTSTONE. Bedding fractures are 5° -15° very closely to closely spaced undulating rough infilled with weathered clay and fine to medium gravel of very weak mudstone. (MERCIA MUDSTONE GROUP Zone I) ... between 15.30m-15.80m non-intact (possible SPT action)		(0.85)	

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)	
Method Used: Inspection pit + Cable Percussion + Rotary Cored		Plant Used: Dando 2000 + Comacchio GEO 205		Drilled By: HA		All dimensions		Logged By: BSa W	

Contract: Hinkley to Seabank 400kV Connection		Client: Electricity Alliance West		Borehole: BHC-LD39
Contract Ref: 727635	Start: 6.6.13 End: 20.6.13	Ground Level (m AOD): 6.85	National Grid Co-ordinate: E:341561.0 N:160606.9	Sheet: 5 of 8

Depth (m)	Samples & Testing			Mechanical Log				Backfill & Instrumentation	Water	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)						
16.80-18.30 16.80-16.91	23	SPT	N=250*	97	31	7				<p>... between 15.80m-15.88m mudstone is weathered to MMG grade II (possibly weathering penetrates downward along fractures)</p> <p>... between 15.88m-15.95m MMGI grades in to MMGII.</p> <p>Very weak becoming weak reddish brown silty MUDSTONE. Crumbles breaks up into fine to coarse angular blocks of mudstone. Bedding dips at 5°.</p> <p>(MERCIA MUDSTONE GROUP Zone II)</p> <p>... between 16.30m-16.44m mudstone is between MMGI and MMGII.</p> <p>... below 16.44m mudstone is weak and crumbles/breaks into fine to coarse angular blocks of mudstone.</p>	-9.30	16.15	
18.30-19.80 18.30-18.55	24	SPT	N=139*	90	27	8	NI 40 100			<p>Very weak very thinly to thinly bedded reddish brown silty MUDSTONE. Bedding fractures are 5°- 10° extremely closely to closely spaced undulating rough open to medium wide infilled with red clay with weathering penetrating along fractures causing the wall rock to weaken into MMG grade II.</p> <p>(MERCIA MUDSTONE GROUP Zone I)</p> <p>... between 17.68m-17.75m grades into MMG grade II.</p> <p>... between 17.95m-18.02m grades in to MMGII</p> <p>... between 18.02m-18.30m grades between MMGI and MMGII</p> <p>... between 18.30m-18.40m extremely weak grey silty MUDSTONE/SILTSTONE of MMGII.</p> <p>Extremely weak to very weak reddish brown silty MUDSTONE with occasional zones of fine to coarse angular blocks of mudstone.</p> <p>(MERCIA MUDSTONE GROUP Zone I-II)</p> <p>... between 18.60m-18.86m breaks up into angular blocks of MMG grade II.</p> <p>... between 18.80m-18.99m crumbles/breaks up into fine to coarse angular blocks of mudstone (MMGII)</p> <p>... between 19.10m-19.28m recovered non-intact as gravel.</p> <p>... between 19.28m-19.45m crumbles/breaks into very weak angular</p>	-10.80	17.65	
				100	24	21	NI 40 100				-11.55	18.40	
											-12.95	19.80	

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks	
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)		
									All dimensions in meters unless otherwise specified.	
Method Used:	Inspection pit + Cable Percussion + Rotary Cored			Plant Used:	Dando 2000 + Comacchio GEO 205		Drilled By:	HA	Logged By:	BSa W



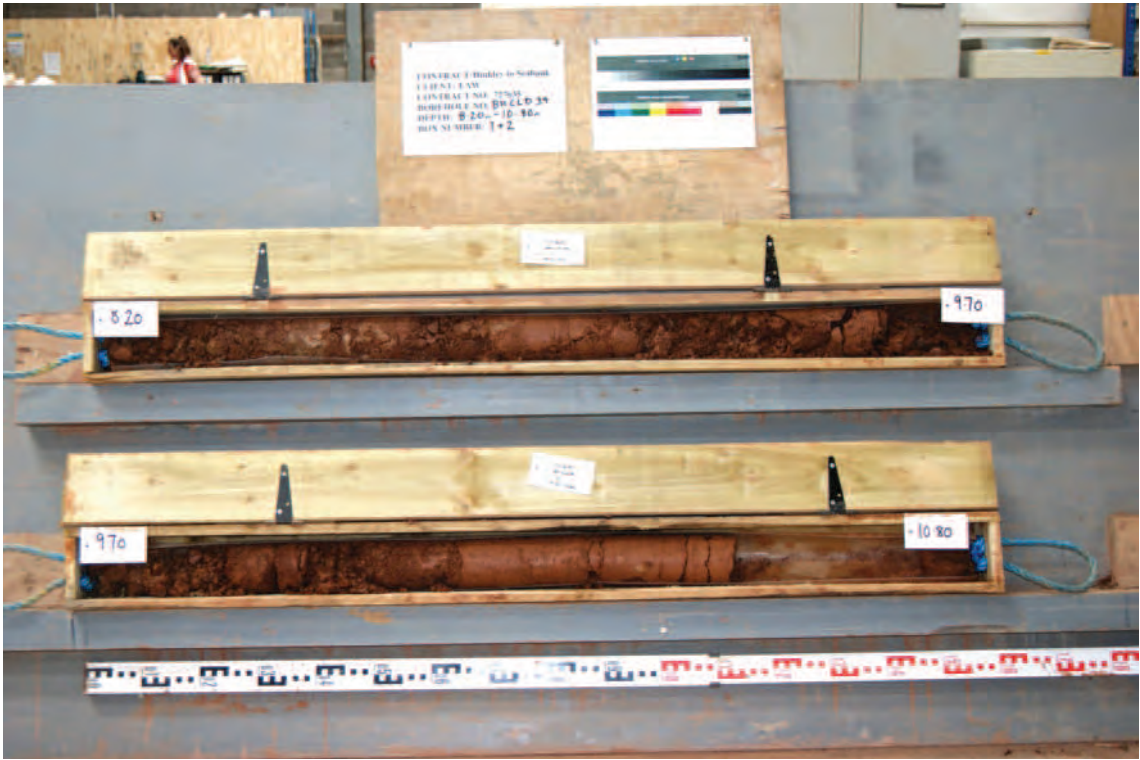
Depth (m)	Samples & Testing			Mechanical Log				Backfill & Instru- mentation	Water	Description of Strata	Reduced Level	Depth (Thick- ness)	Material Graphic Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)						
										blocks of mudstone and grey siltstone. Borehole terminated at 19.80m depth.			

GINT_LIBRARY V8 04.GLB\Log COMPOSITE LOG\727635 HINKLEY TO SEABANK GPI - v8 04 | 17/10/13 - 22:02 | AD.
Structural Soils Ltd, Head Office - Bristol: The Old School, Stillhouse Lane, Bedminster, Bristol, BS3 4EB. Tel: 0117-947-1000, Fax: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk.



Contract: Hinkley to Seabank 400kV Connection		Client: Electricity Alliance West		Borehole: BHC-LD39
Contract Ref: 727635	Start: 6.6.13 End: 20.6.13	Ground Level (m AOD): 6.85	National Grid Co-ordinate: E:341561.0 N:160606.9	Sheet: 7 of 8

BHC-LD39 8.20m to 10.80m



BHC-LD39 10.80m to 13.80m

Method Used:	Inspection pit + Cable Percussion + Rotary Cored	Plant Used:	Dando 2000 + Comacchio GEO 205	Drilled By:	HA	Logged By:	BSa W
--------------	---	-------------	---------------------------------------	-------------	-----------	------------	--------------



Contract: Hinkley to Seabank 400kV Connection		Client: Electricity Alliance West		Borehole: BHC-LD39
Contract Ref: 727635	Start: 6.6.13 End: 20.6.13	Ground Level (m AOD): 6.85	National Grid Co-ordinate: E:341561.0 N:160606.9	Sheet: 8 of 8

BHC-LD39 13.80m to 16.80m


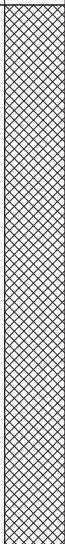

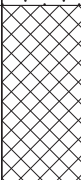


BHC-LD39 16.80m to 19.80m

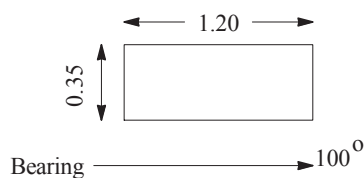
Method Used:	Inspection pit + Cable Percussion + Rotary Cored	Plant Used:	Dando 2000 + Comacchio GEO 205	Drilled By:	HA	Logged By:	BSa W
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Contract: Hinkley to Seabank 400kV Connection		Client: Electricity Alliance West		Trial Pit: TH1
Contract Ref: 727635	Start: 21.5.13 End: 21.5.13	Ground Level (m AOD): 6.21	National Grid Co-ordinate: E:337809.3 N:154857.0	Sheet: 1 of 3

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
						1. MADE GROUND: Firm brown slightly sandy slightly gravelly CLAY with frequent rootlets (less than 1mm diameter). Gravel is subangular fine to medium brick and coal fragments.	6.01	0.20	
0.40	1	D	$c_u=125/120/75$			2. MADE GROUND: Firm to stiff occasionally extremely closely and very closely fissured grey CLAY.		(0.60)	
0.50		HP							
0.60-0.80	2	B	$c_u=60/75/75$				5.41	0.80	
0.60		HP					5.31	0.90	
0.80		HP	$c_u=75$			3. Stiff extremely closely and very closely fissured grey CLAY. (ALLUVIUM)			
0.95		HP	$c_u=50/75/50$			4. Firm and firm to stiff extremely closely fissured and very closely fissured grey CLAY. (ALLUVIUM)			
1.00-1.20	3	U				... at 1.05m depth: plastic duct. Black 70mm diameter 170° orientation. May contain trace cable for water main.		(0.90)	
1.00-1.20	4	U							
1.00-1.20	5	U				... 1.60m depth: water main circa 450mm diameter. Probably asbestos 172° orientation.	4.41	1.80	
					Trial pit terminated at 1.80m depth.				

Plan (Not to Scale)



General Remarks

1. Excavated to locate water main.
2. Side walls stable.
3. Constant moderate groundwater ingress below 0.95m depth. Dewatering required below 0.95m depth.
4. 1.60m depth: water main: 337809.4, 154856.6 1.05m depth: plastic duct (probably containing trace cable for water main): 337809.2, 154856.8
5. Location: Biddisham.

All dimensions in metres

Scale:

Method Used:

Hand dug

Plant Used:

Hand tools

Logged By:

Wallwood



Contract: Hinkley to Seabank 400kV Connection		Client: Electricity Alliance West		Trial Pit: TH1
Contract Ref: 727635	Start: 21.5.13 End: 21.5.13	Ground Level (m AOD): 6.21	National Grid Co-ordinate: E:337809.3 N:154857.0	Sheet: 2 of 3

TH1 Overview



TH1 Sidewalls

Method Used: Hand dug	Plant Used: Hand tools	Logged By: Wallwood
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Contract: Hinkley to Seabank 400kV Connection		Client: Electricity Alliance West		Trial Pit: TH1
Contract Ref: 727635	Start: 21.5.13 End: 21.5.13	Ground Level (m AOD): 6.21	National Grid Co-ordinate: E:337809.3 N:154857.0	Sheet: 3 of 3

TH1 Water Main and Trace Cable



TH1 Spoil

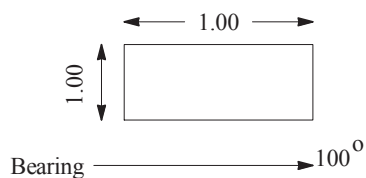
Method Used: Hand dug	Plant Used: Hand tools	Logged By: Wallwood
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Contract: Hinkley to Seabank 400kV Connection		Client: Electricity Alliance West		Trial Pit: TH1A
Contract Ref: 727635	Start: 3.5.13 End: 3.5.13	Ground Level (m AOD): 5.90	National Grid Co-ordinate: E:337545.2 N:154675.6	Sheet: 1 of 2

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
						Stiff brown slightly sandy CLAY with frequent rootlets (<1mm diameter). (TOPSOIL)	5.70	0.20	
0.40	1	D				Stiff extremely closely to very closely fissured grey mottled grey brown occasionally mottled orange brown slightly sandy CLAY with rare subrounded fine to medium calcareous nodules (<8mm diameter).			
0.50-0.70	2	B							
0.50		HP	$c_u=125/100/125$						
0.70		HP	$c_u=125/125/150$			. . . below 0.70m depth locally stiff to very stiff.		(1.00)	
0.80	3	D							
0.80-0.90	4	B							
0.90		HP	$c_u=175/150/125$			. . . below 0.90m depth locally very stiff.			
1.00-1.20	5	U							
1.00-1.20	6	U					4.70	1.20	
1.00-1.20	7	U							
1.00-1.20	8	U				Trial pit terminated at 1.20m depth.			

Plan (Not to Scale)



General Remarks

1. Side walls stable.
2. Very slight slow seepage at 0.90m depth.
3. Location: Biddisham.

All dimensions in metres

Scale:

Method Used:

Hand dug

Plant Used:

Hand tools

Logged By:

Wallwood



Contract: Hinkley to Seabank 400kV Connection		Client: Electricity Alliance West		Trial Pit: TH1A
Contract Ref: 727635	Start: 3.5.13 End: 3.5.13	Ground Level (m AOD): 5.90	National Grid Co-ordinate: E:337545.2 N:154675.6	Sheet: 2 of 2

TH1A Sidewalls



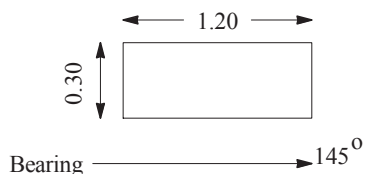
Method Used: Hand dug	Plant Used: Hand tools	Logged By: Wallwood
---------------------------------	----------------------------------	-------------------------------



Contract: Hinkley to Seabank 400kV Connection			Client: Electricity Alliance West		Trial Pit: TH2
Contract Ref: 727635	Start: 9.5.13 End: 9.5.13	Ground Level (m AOD): 7.63	National Grid Co-ordinate: E:338040.3 N:155484.4		Sheet: 1 of 2

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.40	1	D	$c_u=100/100/125$			1. MADE GROUND: Firm to stiff brown slightly sandy slightly gravelly CLAY with occasional rootlets (less than 1mm diameter). Gravel is subangular to subrounded fine to coarse mixed lithologies including limestone and sandstone.	7.33	(0.30)	
0.60-0.80	2	B HP				2. Stiff occasionally extremely closely to very closely fissured brown slightly sandy slightly gravelly CLAY. Gravel is subangular to subrounded fine to coarse mixed lithologies including sandstone and limestone. (SUPERFICIAL DEPOSITS)		(0.55)	
0.90	3	D	$c_u=75/100/100$			... 1. locally deepened above electric cable between 0.30m and 0.75m depth.	6.78	0.85	
0.90-1.00	4	B HP				... 2A. electricity cable surrounded by grey silty sandy angular fine limestone gravel between 0.75m to 0.90m depth.		(0.35)	
1.00-1.20	5	U				... at 80m depth: electric cable 55mm diameter 060° orientation with yellow hazard tape 50mm above cable.	6.43	1.20	
1.00-1.20	7	U				3. Stiff locally firm to stiff extremely closely fissured grey slightly sandy locally slightly gravelly CLAY. Gravel is rounded fine to medium mixed lithologies including sandstone. (ALLUVIUM)			
						Trial pit terminated at 1.20m depth.			

Plan (Not to Scale)



General Remarks

1. Trial pit sidewalls stable.
2. Trial pit dry.
3. Excavated to find electric cable. Electric cable at 0.80m depth: 338040.1, 155484.7, 7.616m.
4. Location: Webbington.

All dimensions in metres

Scale:

Method Used:

Hand dug

Plant Used:

Hand tools

Logged By:

Wallwood



Contract: Hinkley to Seabank 400kV Connection		Client: Electricity Alliance West		Trial Pit: TH2
Contract Ref: 727635	Start: 9.5.13 End: 9.5.13	Ground Level (m AOD): 7.63	National Grid Co-ordinate: E:338040.3 N:155484.4	Sheet: 2 of 2

TH2 Sidewalls



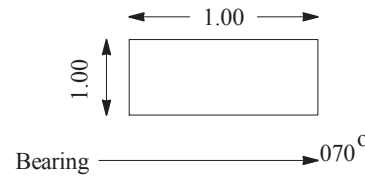
TH2 Electric Cable

Method Used:	Hand dug	Plant Used:	Hand tools	Logged By:	Wallwood
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Contract: Hinkley to Seabank 400kV Connection			Client: Electricity Alliance West		Trial Pit: TH2A
Contract Ref: 727635	Start: 8.5.13	Ground Level (m AOD): 6.28	National Grid Co-ordinate: E:338068.2 N:155117.7		Sheet: 1 of 2

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.40 0.50-0.70	1	D				Firm to stiff brown slightly sandy CLAY. (Tilled and seeded TOPSOIL)	6.00	(0.28)	
	2	B				Stiff recovered extremely closely fissured and very closely fissured brown mottled light grey slightly sandy CLAY with rare discontinuous lenses of light grey brown silt (<1mm thick x 30mm diameter). (ALLUVIUM)		0.28	
1.00-1.20	3	U						(0.92)	
1.00-1.20	4	U							
1.00-1.20	5	U							
1.00-1.20	6	U					5.08	1.20	
Trial pit terminated at 1.20m depth.									

Plan (Not to Scale) 		General Remarks 1. Side walls stable. 2. Pit remained dry. 3. Location: Webbington.	
		All dimensions in metres	Scale:
Method Used: Hand dug	Plant Used: Hand tools	Logged By: Wallwood	



Contract: Hinkley to Seabank 400kV Connection		Client: Electricity Alliance West		Trial Pit: TH2A
Contract Ref: 727635	Start: 8.5.13 End: 8.5.13	Ground Level (m AOD): 6.28	National Grid Co-ordinate: E:338068.2 N:155117.7	Sheet: 2 of 2

TH2A Overview



TH2A Spoil

Method Used: Hand dug	Plant Used: Hand tools	Logged By: Wallwood
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Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
						1. MADE GROUND: Grass over firm brown slightly sandy CLAY.	9.63	0.15	
0.50 0.50	1	D HP	$c_u=75$			2. MADE GROUND: Medium strength (firm to stiff occasionally firm and stiff) red brown occasionally green grey slightly sandy slightly gravelly CLAY with occasional subangular sandstone cobbles (less than 120mm diameter). Gravel is subangular to subrounded fine to coarse sandstone.		(0.85)	
0.70-1.00	2	B							
0.90		HP	$c_u=75/75/100$				8.78	1.00	
1.00-1.20	3	U				3. Firm to stiff occasionally extremely closely fissured red brown occasionally light green grey slightly sandy CLAY. (MERCIA MUDSTONE GROUP)			
1.00-1.20	4	U						(0.95)	
1.00-1.20	5	U				... 1.50m depth: yellow hazard tape, 150mm wide.			
						... 1.80m depth: Water main ~450mm diameter, asbestos, ~185° orientation.	7.83	1.95	
						... 1.90m probable trace cable for water main with black plastic sheath, ~25mm diameter, yellow hazard tape above.			
						Trial pit terminated at 1.95m depth.			



- Scale:

Wallwood



Contract: Hinkley to Seabank 400kV Connection		Client: Electricity Alliance West		Trial Pit: TH3
Contract Ref: 727635	Start: 22.5.13 End: 22.5.13	Ground Level (m AOD): 9.78	National Grid Co-ordinate: E:337989.6 N:155568.1	Sheet: 2 of 3

TH3 Sidewalls



TH3 Overview

Method Used: Hand dug	Plant Used: Hand tools	Logged By: Wallwood
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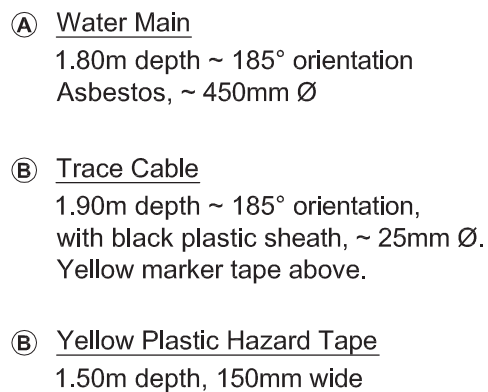
Contract: Hinkley to Seabank 400kV Connection		Client: Electricity Alliance West		Trial Pit: TH3
Contract Ref: 727635	Start: 22.5.13 End: 22.5.13	Ground Level (m AOD): 9.78	National Grid Co-ordinate: E:337989.6 N:155568.1	Sheet: 3 of 3

TH3 Water Main and Trace Cable



TH3 Spoil

Method Used: Hand dug	Plant Used: Hand tools	Logged By: Wallwood
---------------------------------	----------------------------------	-------------------------------



Plan View

JOB NO.	SCALE BAR	ORIGIN SIZE	FIGURE
727635		A4	TH3



STRUCTURAL SOILS

TRIAL PIT LOG

Contract: Hinkley to Seabank 400kV Connection		Client: Electricity Alliance West		Trial Pit: TH3A
Contract Ref: 727635	Start: 24.3.13 End: 24.3.13	Ground Level (m AOD): 10.28	National Grid Co-ordinate: E:337976.4 N:155798.0	Sheet: 1 of 3

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.60	1	B				1. MADE GROUND: Grass overlaying dark brown clayey SAND.	9.98	(0.30) 0.30	
0.65	2	D				2. MADE GROUND: Dark brown slightly clayey gravelly SAND. Low cobble content. Gravel is subrounded to angular fine to coarse flint, brick, sandstone and limestone. Cobbles are subangular sandstone.	9.78	0.50	
0.70	3	D				3. POSSIBLE MADE GROUND: Dark brown slightly clayey gravelly SAND with medium cobble content. Gravel is subangular to angular medium to coarse sandstone. Cobbles are subangular sandstone.	9.53	0.75	
0.70	4	D							
0.75	5	D							
0.75	6	D				... at 0.75m depth: Concrete tile surrounding electric cable 40mm to 60mm width circa 090° to 100° orientation. Trial pit terminated at 0.75m depth due to refusal.			

Plan (Not to Scale)		General Remarks	
		<ol style="list-style-type: none">Hole stable and dry.Trial pit terminated at 0.75m depth due to refusal.Backfilled on completion.Electric cable at 0.75m depth covered by concrete tile.Location: Webbington.	
All dimensions in metres		Scale:	1:25
Method Used: Hand dug	Plant Used: Hand tools	Logged By: WDixon	



Contract: Hinkley to Seabank 400kV Connection		Client: Electricity Alliance West		Trial Pit: TH3A
Contract Ref: 727635	Start: 24.3.13 End: 24.3.13	Ground Level (m AOD): 10.28	National Grid Co-ordinate: E:337976.4 N:155798.0	Sheet: 2 of 3

TH3A Sidewalls



TH3A Spoil

Method Used:	Hand dug	Plant Used:	Hand tools	Logged By:	WDixon
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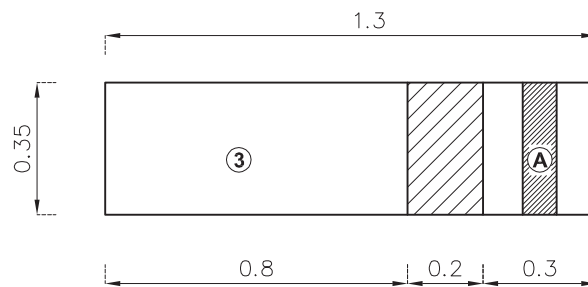
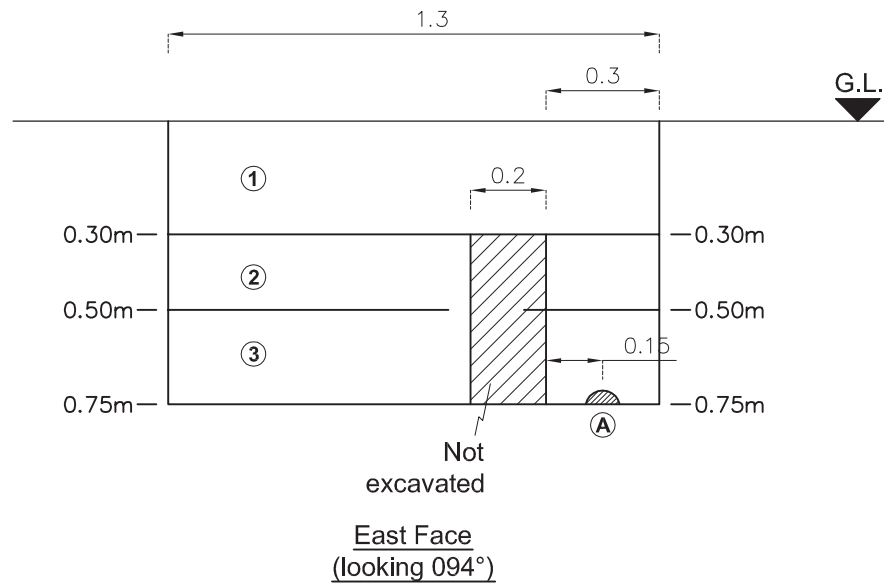
Contract: Hinkley to Seabank 400kV Connection		Client: Electricity Alliance West		Trial Pit: TH3A
Contract Ref: 727635	Start: 24.3.13 End: 24.3.13	Ground Level (m AOD): 10.28	National Grid Co-ordinate: E:337976.4 N:155798.0	Sheet: 3 of 3

TH3A Tile Over Electric Cable



TH3A Tile Over Electric Cable Detail

Method Used: Hand dug	Plant Used: Hand tools	Logged By: WDixon	
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Plan View

- Ⓐ Concrete Tile surrounding electric cable. 0.75m depth. Approximately 40-60mm width circa 090 - 100° orientation. Electric cable concealed but most likely to be circa 100 to 150mmØ according to electric board.

LEGEND

- ① - ④ Stratums
Ⓐ - Ⓓ Services

NOTE

All dimensions are in meters (unless stated otherwise)

STRUCTURAL SOILS LIMITED



The Old School
Stillhouse Lane
Bedminster
Bristol BS3 4EB

Tel: 0117 947 1000
Fax: 0117 947 1004
ask@soils.co.uk
www.soils.co.uk

CLIENT

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PROJECT

Hinkley to Seabank 400KV Connection

TITLE

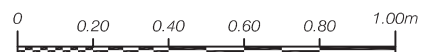
EXPLORATORY HOLE TH3A - FIELD SKETCH

00	09.07.2013	-	JAH	WA	-
REV.	DATE	DESCRIPTION	BY	CHD.	APR.
DIMENSION		SCALE	DRAWING STATUS		
m		1:20	-		

JOB NO.

727635

SCALE BAR



ORIGIN SIZE

A4

FIGURE

TH3A



Contract: Hinkley to Seabank 400kV Connection			Client: Electricity Alliance West		Trial Pit: TH4
Contract Ref: 727635	Start: 23.5.13 End: 23.5.13	Ground Level (m AOD): 10.51	National Grid Co-ordinate: E:338278.4 N:156408.4		Sheet: 1 of 3

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
						MADE GROUND: Grass overlaying soft brown slightly sandy slightly gravelly CLAY. Gravel is subrounded to angular fine to coarse flint.	10.21	(0.30)	
0.40	1	B				Soft bluish grey slightly sandy CLAY.		(0.35)	
0.60	4	B				... 0.60m depth: Ceramic pipe.	9.86	0.65	
0.85	6	B				Hard to extremely weak dark reddish brown CLAY / weathered MUDSTONE. (MERCIA MUDSTONE GROUP)		(0.45)	
1.00	1	U					9.41	1.10	
1.00	2	U							
1.00	3	U							
1.00	5	B				... 1.10m depth: Water main possibly asbestos circa 0.70m to 0.90m diameter orientation 039° with adjacent trace cable 25mm diameter 040° to 045° orientation. Trial pit terminated at 1.10m depth.			

Plan (Not to Scale)		General Remarks	
		1. Hole stable and dry. 2. Ceramic pipe at 0.60m depth. 3. Water pipe and tracer cable at 1.10m depth: 338278.2, 156408.7 4. Hole backfilled upon completion. 5. Location: Lox Yeo Valley (Mendips).	
All dimensions in metres		Scale:	1:25
Method Used: Hand dug	Plant Used: Hand tools	Logged By: WDixon	



Contract: Hinkley to Seabank 400kV Connection		Client: Electricity Alliance West		Trial Pit: TH4
Contract Ref: 727635	Start: 23.5.13 End: 23.5.13	Ground Level (m AOD): 10.51	National Grid Co-ordinate: E:338278.4 N:156408.4	Sheet: 2 of 3

TH4 Overview



TH4 Spoil

Method Used: Hand dug	Plant Used: Hand tools	Logged By: WDixon	
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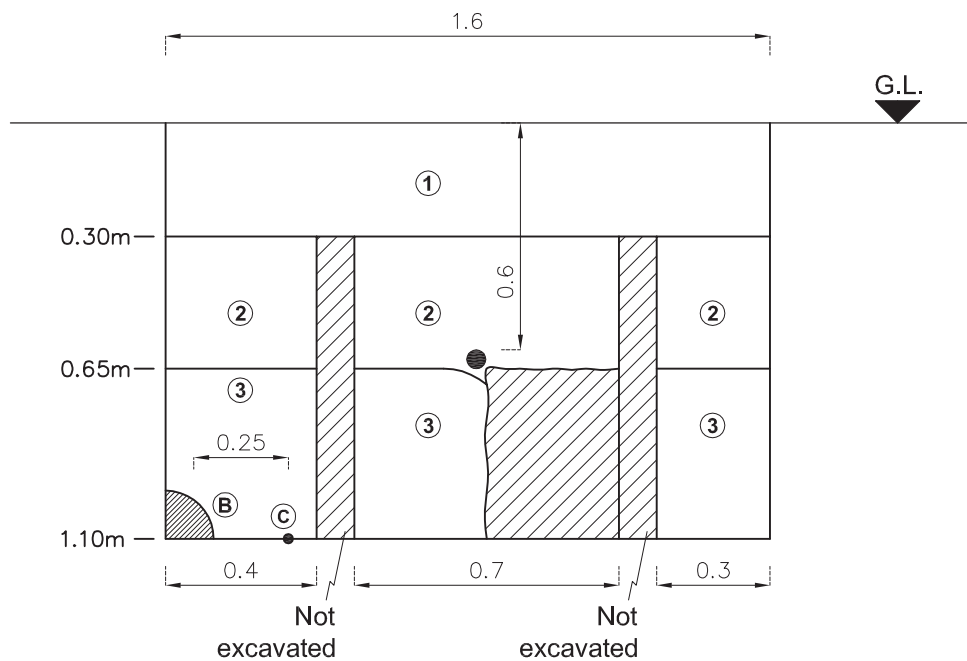


Contract: Hinkley to Seabank 400kV Connection		Client: Electricity Alliance West		Trial Pit: TH4
Contract Ref: 727635	Start: 23.5.13 End: 23.5.13	Ground Level (m AOD): 10.51	National Grid Co-ordinate: E:338278.4 N:156408.4	Sheet: 3 of 3

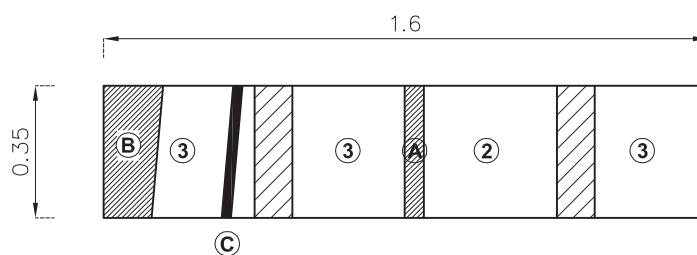
TH4 Water Main and Trace Cable



Method Used: Hand dug	Plant Used: Hand tools	Logged By: WDixon	
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Northeast Face
(looking 035°)



Plan View

- A** Ceramic Pipe 0.60m depth
B Water Main
 1.10m depth 700 - 900mmØ possibly
 asbestos, 039°orientation
C Trace Cable
 1.10m depth, 25mm Ø
 0.40° - 0.45°

LEGEND

- ① - ④ Stratums
 A - D Services

NOTE

All dimensions are in meters (unless stated otherwise)

STRUCTURAL SOILS LIMITED



The Old School
Stillhouse Lane
Bedminster
Bristol BS3 4EB

Tel: 0117 947 1000
Fax: 0117 947 1004
ask@soils.co.uk
www.soils.co.uk

CLIENT

EAW

PROJECT

Hinkley to Seabank 400KV Connection

TITLE

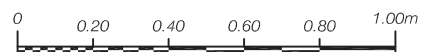
EXPLORATORY HOLE TH4 - FIELD SKETCH

00	12.07.2013	-	JAH	WA	-
REV.	DATE	DESCRIPTION	BY	CHD.	APR.
DIMENSION		SCALE	DRAWING STATUS		
m		1:20	-		

JOB NO.

727635

SCALE BAR



ORIGIN SIZE

A4

FIGURE

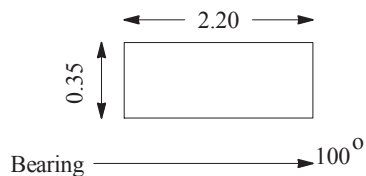
TH4



Contract: Hinkley to Seabank 400kV Connection			Client: Electricity Alliance West		Trial Pit: TH4A
Contract Ref: 727635	Start: 22.3.13 End: 22.3.13	Ground Level (m AOD): 11.37	National Grid Co-ordinate: E:338006.5 N:155865.7		Sheet: 1 of 2

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.90	1	B				1. MADE GROUND: Grass overlaying soft dark brownish red slightly sandy CLAY.	11.07	(0.30) 0.30	
1.00	2	B				2. MADE GROUND: Soft dark brownish red sandy slightly gravelly CLAY. Gravel is subrounded to angular medium to coarse sandstone and brick.	10.82	0.55	
						3. MADE GROUND: Dark brownish red grey clayey gravelly SAND. Gravel is subrounded to angular fine to coarse sandstone, limestone and mixed lithologies. Medium cobble content of sandstone. ... 0.80m depth: sandstone boulder.		(0.55)	
						... 1.00m depth: Water main possibly asbestos 350mm to 450mm diameter 020° to 030° orientation. Trial pit terminated at 1.10m depth.	10.27	1.10	

Plan (Not to Scale)



General Remarks

1. Hole stable and dry.
2. Water pipe present at 1.00m depth: 338005.5, 156865.8
3. Hole backfilled on completion.
4. Location: Webbington.

All dimensions in metres

Scale: **1:25**

Method Used:

Hand dug

Plant Used:

Hand tools

Logged By:

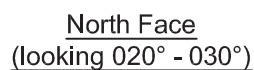
WDixon



Contract: Hinkley to Seabank 400kV Connection		Client: Electricity Alliance West		Trial Pit: TH4A
Contract Ref: 727635	Start: 22.3.13 End: 22.3.13	Ground Level (m AOD): 11.37	National Grid Co-ordinate: E:338006.5 N:155865.7	Sheet: 2 of 2

TH4ATH4A SPOIL

Method Used: Hand dug	Plant Used: Hand tools	Logged By: WDixon
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① Water Main
1.00m depth possibly asbestos,
350 - 450mm Ø, 020 - 030° orientation

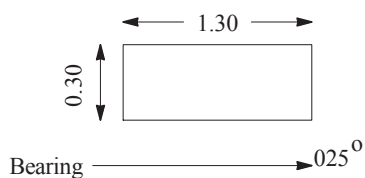
<div><div><div>LEGEND</div><div><div>① - ④</div>Stratums</div><div><div>Ⓐ - Ⓓ</div>Services</div></div></div>						<div><div>NOTE</div><div>All dimensions are in meters (unless stated otherwise)</div></div>															
<div><div><div><div><div><div></div></div></div><div><div>STRUCTURAL SOILS LIMITED</div></div></div><div><div><div>The Old School</div><div>Stillhouse Lane</div><div>Bedminster</div><div>Bristol BS3 4EB</div></div><div><div>Tel: 0117 947 1000</div><div>Fax: 0117 947 1004</div><div>ask@soils.co.uk</div><div>www.soils.co.uk</div></div></div></div></div>						CLIENT															
						EAW															
						PROJECT															
						Hinkley to Seabank 400KV Connection															
						TITLE															
0012.07.2013- <div>JAHWA-</div>						EXPLORATORY HOLE TH4A - FIELD SKETCH															
REV.		DATE		DESCRIPTION		BY		CHD.		APR.		JOB NO.		SCALE BAR				ORIGIN SIZE		FIGURE	
m		1:20		-								727635		<div><div>00.200.400.600.801.00m</div></div>				A4		TH4A	



Contract: Hinkley to Seabank 400kV Connection			Client: Electricity Alliance West		Trial Pit: TH4C
Contract Ref: 727635	Start: 9.5.13 End: 9.5.13	Ground Level (m AOD): 15.23	National Grid Co-ordinate: E:338077.0 N:156078.8		Sheet: 1 of 3

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.30	1	B				1. Grass over stiff locally stiff brown slightly sandy slightly gravelly CLAY. Gravel is subangular to subrounded fine to medium mixed lithologies including sandstone and limestone and rare charcoal.	14.98	0.25	
0.50	2	B				2. Firm to stiff brown slightly sandy slightly gravelly CLAY. Gravel is subrounded fine to medium mixed lithologies including sandstone.		(0.45)	
0.80	7	D				... between 0.25m and 0.45m depth: Strata 1 locally deepened to 0.45m depth (above electricity cable). ... at 0.45m depth: Electric cable 12mm diameter, black, 115° orientation. Yellow hazard tape above. No protective backfill.	14.53	0.70	
1.00-1.20	3	U				3. Firm brown slightly sandy slightly gravelly CLAY. Gravel is subrounded to subangular fine to medium mixed lithologies including sandstone.	14.23	1.00	
1.00-1.20	4	U							
1.00-1.20	5	U							
1.00-1.20	6	U							
1.00	8	B				Trial pit terminated at 1.00m depth.			

Plan (Not to Scale)



General Remarks

1. Trial pit sidewalls stable.
2. Trial pit dry.
3. Electric cable 0.45m depth: 338077.3, 156079.3, 12mm diameter, black, 115° orientation. Yellow hazard tape above, no protective backfill material.
4. Location: Webbington.

All dimensions in metres

Scale: **1:25**

Method Used:

Hand dug

Plant Used:

Hand tools

Logged By:

Wallwood



Contract: Hinkley to Seabank 400kV Connection		Client: Electricity Alliance West		Trial Pit: TH4C
Contract Ref: 727635	Start: 9.5.13 End: 9.5.13	Ground Level (m AOD): 15.23	National Grid Co-ordinate: E:338077.0 N:156078.8	Sheet: 2 of 3

TH4C Overview



TH4C Electric Cable

Method Used: Hand dug	Plant Used: Hand tools	Logged By: Wallwood
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Contract: Hinkley to Seabank 400kV Connection		Client: Electricity Alliance West		Trial Pit: TH4C
Contract Ref: 727635	Start: 9.5.13 End: 9.5.13	Ground Level (m AOD): 15.23	National Grid Co-ordinate: E:338077.0 N:156078.8	Sheet: 3 of 3

TH4C Sidewalls



Method Used: Hand dug	Plant Used: Hand tools	Logged By: Wallwood	
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<div><div>LEGEND</div><div><div>① - ④</div>Stratums</div><div><div>Ⓐ - Ⓓ</div>Services</div></div>						<div><div>NOTE</div><div>All dimensions are in meters (unless stated otherwise)</div></div>							
<div><div>STRUCTURAL SOILS LIMITED</div><div><div></div><div><div>The Old School</div><div>Stillhouse Lane</div><div>Bedminster</div><div>Bristol BS3 4EB</div></div><div><div>Tel: 0117 947 1000</div><div>Fax: 0117 947 1004</div><div>ask@soils.co.uk</div><div>www.soils.co.uk</div></div></div></div>						<div><div>CLIENT</div><div>EAW</div><div>PROJECT</div><div>Hinkley to Seabank 400KV Connection</div><div>TITLE</div><div>EXPLORATORY HOLE TH4C - FIELD SKETCH</div></div>							
00	12.07.2013	-	JA	WA	-								
REV.	DATE	DESCRIPTION	BY	CHD.	APR.								
DIMENSION		SCALE		DRAWING STATUS		JOB NO.		SCALE BAR		ORIGIN SIZE		FIGURE	
m		1:20		-		727635		<div><div>0</div><div>0.20</div><div>0.40</div><div>0.60</div><div>0.80</div><div>1.00m</div></div>		A4		TH4C	



Contract: Hinkley to Seabank 400kV Connection			Client: Electricity Alliance West		Trial Pit: TH5
Contract Ref: 727635	Start: 28.5.13 End: 28.5.13	Ground Level (m AOD): 13.88	National Grid Co-ordinate: E:339608.9 N:157367.9		Sheet: 1 of 2

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
						MADE GROUND: Grass overlaying brown clayey SAND.	13.73	0.15	
						MADE GROUND: Reddish brown mottled grey slightly clayey sandy subrounded to angular medium to coarse GRAVEL of limestone, sandstone and flint. Medium cobble content of limestone.		(0.40)	
						Soft dark brownish red sandy very gravelly CLAY. Gravel is subrounded to angular medium to coarse sandstone. Strata absent from north west pit half.	13.33	0.55	
						Light greyish pink slightly sandy GRAVEL of subangular to angular fine to coarse siltstone. Low cobble content of sandstone and siltstone. Strata present from 0.55m depth by/in north west pit half.	13.18	0.70	
0.90	1	B						(0.40)	
1.00	2	B							
1.10	3	B					12.78	1.10	
						. . . at 0.80m depth water main 900mm diameter, 072° orientation.			
						Trial pit terminated at 1.10m depth.			

Plan (Not to Scale)			General Remarks		
			<ol style="list-style-type: none">1. Trial pit stable and dry.2. Water main at 0.80m depth: 339609.0, 157367.73. Strata unsuitable for U-Sampling, Bulk sample taken instead.4. Trial pit backfilled on completion.5. Location: Lox Yeo Valley (Mendips).		
All dimensions in metres			Scale: 1:25		
Method Used: Hand dug	Plant Used: Hand tools		Logged By: WDixon		

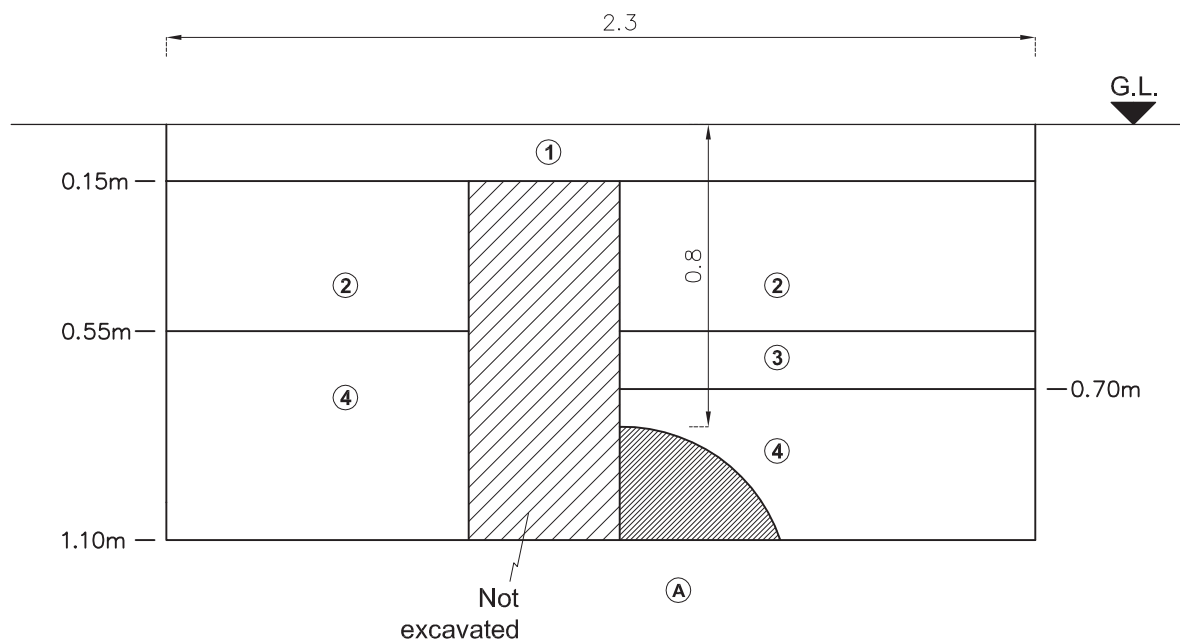


Contract: Hinkley to Seabank 400kV Connection		Client: Electricity Alliance West		Trial Pit: TH5
Contract Ref: 727635	Start: 28.5.13 End: 28.5.13	Ground Level (m AOD): 13.88	National Grid Co-ordinate: E:339608.9 N:157367.9	Sheet: 2 of 2

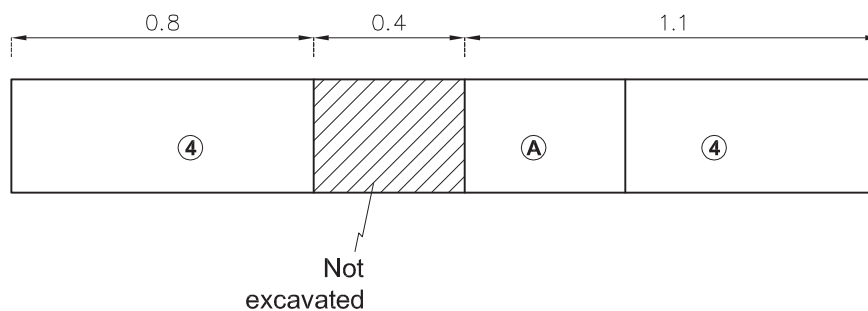
TH5



Method Used: Hand dug	Plant Used: Hand tools	Logged By: WDixon	
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Northeast Face
(looking 070°)



Plan View

Ⓐ Water Main
0.80m depth, circa 900mmØ
72° orientation

LEGEND

① - ④ Stratums
Ⓐ - ④ Services

NOTE

All dimensions are in meters (unless stated otherwise)

STRUCTURAL SOILS LIMITED



The Old School
Stillhouse Lane
Bedminster
Bristol BS3 4EB

Tel: 0117 947 1000
Fax: 0117 947 1004
ask@soils.co.uk
www.soils.co.uk

CLIENT

EAW

PROJECT

Hinkley to Seabank 400KV Connection

TITLE

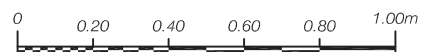
EXPLORATORY HOLE TH5 - FIELD SKETCH

00	12.07.2013	-	JAH	WA	-
REV.	DATE	DESCRIPTION	BY	CHD.	APR.
DIMENSION		SCALE	DRAWING STATUS		
m		1:20	-		

JOB NO.

727635

SCALE BAR



ORIGIN SIZE

A4

FIGURE

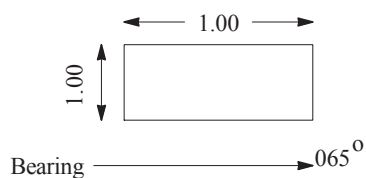
TH5



Contract: Hinkley to Seabank 400kV Connection			Client: Electricity Alliance West		Trial Pit: TH5A
Contract Ref: 727635	Start: 2.5.13 End: 2.5.13	Ground Level (m AOD): 12.70	National Grid Co-ordinate: E:338620.0 N:156597.7		Sheet: 1 of 2

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
						Crop over brown slightly sandy slightly gravelly CLAY. Gravel is subangular to rounded fine to coarse mixed lithologies.		(0.35)	
0.40	1	D	$c_u=50$				12.35	0.35	
0.50	2	B				Firm friable brown slightly sandy locally sandy slightly gravelly CLAY. Gravel is subangular to rounded fine to coarse mixed lithologies including limestone, sandstone and iron rich nodules (less than 3mm diameter).		(0.50)	
0.50		HP				(SUPERFICIAL DEPOSITS)			
0.60	3	D				... below 0.60m depth gravelly with occasional subangular limestone cobbles.	11.85	0.85	
0.60	4	B							
0.90	5	B				Light red brown slightly silty gravelly fine to medium SAND. Gravel is subangular to subrounded fine to coarse mixed lithologies including limestone.	11.70	1.00	
1.00-1.25	6	U				(SUPERFICIAL DEPOSITS)			
1.00-1.25	7	U				Trial pit terminated at 1.00m depth.			
1.00-1.25	8	U							
1.00-1.25	9	U							

Plan (Not to Scale)



General Remarks

1. Trial pit sides generally stable with spalling below 0.85m depth.
2. Trial pit dry.
3. Location: Lox Yeo Valley (Mendips).

All dimensions in metres

Scale:

1:25

Method Used:

Hand dug

Plant Used:

Hand tools

Logged By:

Wallwood



Contract: Hinkley to Seabank 400kV Connection		Client: Electricity Alliance West		Trial Pit: TH5A
Contract Ref: 727635	Start: 2.5.13 End: 2.5.13	Ground Level (m AOD): 12.70	National Grid Co-ordinate: E:338620.0 N:156597.7	Sheet: 2 of 2

TH5A Sidewalls



TH5A Spoil

Method Used: Hand dug	Plant Used: Hand tools	Logged By: Wallwood	
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STRUCTURAL SOILS

TRIAL PIT LOG

Contract: Hinkley to Seabank 400kV Connection			Client: Electricity Alliance West		Trial Pit: TH5C
Contract Ref: 727635	Start: 30.4.13 End: 30.4.13	Ground Level (m AOD): 13.83	National Grid Co-ordinate: E:339315.1 N:157127.5		Sheet: 1 of 2

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.30	1	D	$c_u=75/100/75$			MADE GROUND: Firm to stiff brown slightly sandy slightly gravelly CLAY with frequent rootlets (less than 1mm diameter). Gravel is angular to subrounded fine to coarse occasional ceramics, brick and sandstone.	13.58	0.25	
0.40-0.55	2	B				Firm to stiff and stiff extremely closely fissured and very closely fissured red brown slightly sandy gravelly CLAY. Gravel is subangular to rounded fine to coarse mixed lithologies including sandstone and limestone, occasional iron with organic nodules (less than 4mm diameter). (SUPERFICIAL DEPOSITS)		(0.33)	
0.45		HP					13.25	0.58	
0.70	3	D				Firm locally firm to stiff extremely closely fissured to very closely fissured grey slightly sandy slightly gravelly CLAY. Gravel is subangular to subrounded fine to coarse limestone and other mixed lithologies. . . . stiff below 0.90m depth.		(0.67)	
0.80	4	B							
1.00-1.25	5	U				Trial pit terminated at 1.25m depth.			
1.00-1.25	6	U							
1.00-1.25	7	U							
1.00-1.25	8	U					12.58	1.25	

Plan (Not to Scale)		General Remarks	
		1. Trial pit side walls stable. 2. Trial pit dry. 3. Location: Lox Yeo Valley (Mendips).	
Method Used: Hand dug		Plant Used: Hand tools	Logged By: Wallwood
All dimensions in metres		Scale: 1:25	



Contract: Hinkley to Seabank 400kV Connection		Client: Electricity Alliance West		Trial Pit: TH5C
Contract Ref: 727635	Start: 30.4.13 End: 30.4.13	Ground Level (m AOD): 13.83	National Grid Co-ordinate: E:339315.1 N:157127.5	Sheet: 2 of 2

TH5C Sidewalls



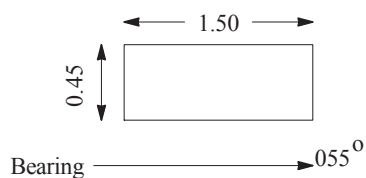
Method Used: Hand dug	Plant Used: Hand tools	Logged By: Wallwood	
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Contract: Hinkley to Seabank 400kV Connection		Client: Electricity Alliance West		Trial Pit: TH6A
Contract Ref: 727635	Start: 23.5.13 End: 23.5.13	Ground Level (m AOD): 15.77	National Grid Co-ordinate: E:340390.8 N:158238.2	Sheet: 1 of 3

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.40	1	D	$c_u=75$			1. MADE GROUND: Grass over firm brown slightly sandy slightly gravelly CLAY. Gravel is angular to subrounded fine to coarse mixed lithologies including sandstone, glass and brick.	15.57	0.20	
0.60-0.90	2	B HP				2. MADE GROUND: Mixed strength (firm, stiff and locally soft to firm) red brown slightly sandy slightly gravelly CLAY. Gravel is angular to subrounded fine to coarse mixed lithologies including sandstone and limestone.		(0.80)	
1.00-1.20	3	U				... sandy below 0.95m depth.	14.77	1.00	
1.00-1.20	4	U				3. Firm to stiff red brown slightly sandy slightly gravelly CLAY. Gravel is subangular to subrounded fine to coarse mixed lithologies including sandstone and limestone and siltstone.		(0.35)	
1.00-1.20	5	U				(SUPERFICIAL DEPOSITS)	14.42	1.35	
1.00-1.20	6	U				... at 1.05m depth: Water main probably asbestos, 300mm to 400mm diameter, 150° orientation. Yellow plastic caution tape. Reads 'Caution Electric'. ... 1.30m depth: Probable trace cable for water main, black plastic sheath 25mm diameter. Trial pit terminate at 1.35m depth.			

Plan (Not to Scale)



General Remarks

1. Sidewalls stable.
2. Trial pit dry.
3. Excavated to locate water mains.
4. 1.05m depth: Water main: 340391.3, 158238.7 1.30m depth: Trace cable: 340390.9, 158238.4
5. Location: Lox Yeo Valley (Mendips).

All dimensions in metres

Scale: **1:25**

Method Used:

Hand dug

Plant Used:

Hand tools

Logged By:

Wallwood



Contract: Hinkley to Seabank 400kV Connection		Client: Electricity Alliance West		Trial Pit: TH6A
Contract Ref: 727635	Start: 23.5.13 End: 23.5.13	Ground Level (m AOD): 15.77	National Grid Co-ordinate: E:340390.8 N:158238.2	Sheet: 2 of 3

TH6A Sidewalls



TH6A Overview

Method Used: Hand dug	Plant Used: Hand tools	Logged By: Wallwood	
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Contract: Hinkley to Seabank 400kV Connection		Client: Electricity Alliance West		Trial Pit: TH6A
Contract Ref: 727635	Start: 23.5.13 End: 23.5.13	Ground Level (m AOD): 15.77	National Grid Co-ordinate: E:340390.8 N:158238.2	Sheet: 3 of 3

TH6A Water Main




TH6A Trace Cable

Method Used: Hand dug	Plant Used: Hand tools	Logged By: Wallwood	
---------------------------------	----------------------------------	-------------------------------	--

Sotheast Face

Plan View

- (A) Water Main
1.05m depth, probably asbestos
300 - 400mm Ø ~ 150° orientation
- (B) Trace Cable
1.30m depth, black plastic
sheath ~ 25mm Ø. 150° orientation.
- (C) Yellow Plastic Hazard Tape
1.05m depth, 140mm wide,
reads 'Caution Electric'

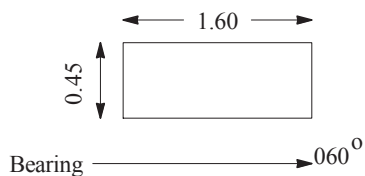
<div><div>LEGEND</div><div><div>① - ④</div>Stratums</div><div><div>Ⓐ - Ⓓ</div>Services</div></div>										<div><div>NOTE</div><div>All dimensions are in meters (unless stated otherwise)</div></div>									
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00		12.07.2013		-		JAH		WA		-									
REV.		DATE		DESCRIPTION		BY		CHD.		APR.									
DIMENSION			SCALE			DRAWING STATUS													
m			1:20			-													
727635				<div><div>0</div><div>0.20</div><div>0.40</div><div>0.60</div><div>0.80</div><div>1.00m</div></div>						ORIGIN SIZE		FIGURE							
										A4		TH6A							



Contract: Hinkley to Seabank 400kV Connection			Client: Electricity Alliance West		Trial Pit: TH6B
Contract Ref: 727635	Start: 23.5.13 End: 23.5.13	Ground Level (m AOD): 15.46	National Grid Co-ordinate: E:340388.8 N:158236.7		Sheet: 1 of 2

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
						1. MADE GROUND: Grass over firm brown slightly sandy slightly gravelly CLAY. Gravel is angular to subrounded fine to coarse mixed lithologies including sandstone, glass and brick.	15.26	0.20	
						2. Soft to firm locally firm brown and red brown slightly sandy slightly gravelly CLAY. Gravel is angular to subrounded fine to coarse mixed lithologies including sandstone and limestone (trench backfill). ... 0.20m to 1.05m: 5. Firm to stiff reddish-brown slightly sandy slightly gravelly CLAY. Gravel is subangular to subrounded fine to coarse of mixed lithologies including limestone and sandstone. ... at 0.75m depth: Blue plastic water pipe (25mm to 30mm diameter) 140° orientation. Adjacent to North east face.		(0.85)	
						3. Firm to stiff locally firm blue grey CLAY. (SUPERFICIAL DEPOSITS)	14.41	1.05	
							14.16	1.30	
						4. Firm red brown slightly sandy CLAY with frequent subangular fine to medium extremely weak mudstone lithorelicts. (MERCIA MUDSTONE GROUP)		(0.30)	
							13.86	1.60	
						Trial pit terminated at 1.60m depth.			

Plan (Not to Scale)



General Remarks

1. Sidewalls stable.
2. Trial pit dry.
3. Excavated to find water main. Main not found but small diameter domestic style water pipe found at 0.75m depth: 340389.6, 158237.2
4. Location: Lox Yeo Valley (Mendips).

All dimensions in metres

Scale: **1:25**

Method Used:

Hand dug

Plant Used:

Hand tools

Logged By:

Wallwood




Contract: Hinkley to Seabank 400kV Connection		Client: Electricity Alliance West		Trial Pit: TH6B
Contract Ref: 727635	Start: 23.5.13 End: 23.5.13	Ground Level (m AOD): 15.46	National Grid Co-ordinate: E:340388.8 N:158236.7	Sheet: 2 of 2

TH6B Overview



TH6B Domestic Type Water Pipe

Method Used: Hand dug	Plant Used: Hand tools	Logged By: Wallwood	
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<div> <div>LEGEND</div> <div> <div>① - ④</div> <div>Stratums</div> </div> <div> <div>Ⓐ - Ⓓ</div> <div>Services</div> </div> </div>										<div> <div>NOTE</div> <div>All dimensions are in meters (unless stated otherwise)</div> </div>									
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00		12.07.2013		-		JAH		WA		-									
REV.		DATE		DESCRIPTION		BY		CHD.		APR.									
DIMENSION		SCALE		DRAWING STATUS															
m		1:20		-															
727635		<div> <div>SCALE BAR</div> <div> <div>0</div> <div>0.20</div> <div>0.40</div> <div>0.60</div> <div>0.80</div> <div>1.00m</div> </div> </div>								<div> <div>ORIGIN SIZE</div> <div>A4</div> </div>		<div> <div>FIGURE</div> <div>TH6B</div> </div>							



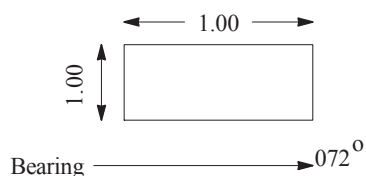
STRUCTURAL SOILS

TRIAL PIT LOG

Contract: Hinkley to Seabank 400kV Connection		Client: Electricity Alliance West		Trial Pit: TH6C
Contract Ref: 727635	Start: 3.5.13 End: 3.5.13	Ground Level (m AOD): 9.49	National Grid Co-ordinate: E:339728.8 N:157669.8	Sheet: 1 of 2

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.30	1	D	$c_u=100/100/75$ $c_u=125/125/100$			Grass over firm to stiff brown slightly sandy CLAY with frequent rootlets (<1mm diameter). (TOPSOIL)	9.27	0.22	
0.50	2	B				Firm to stiff becoming stiff extremely and very closely fissured grey mottled orange brown slightly sandy CLAY. (ALLUVIUM)		(0.48)	
0.50		HP					8.79	0.70	
0.70		HP				... between 0.65 to 0.70m depth occasional slightly gravelly. Gravel is subrounded fine to coarse mixed lithologies including sandstone. Rare subangular sandstone cobbles (<120mm diameter).	8.59	0.90	
0.75	3	D	$c_u=100/150/200$			Stiff locally firm to stiff extremely and very closely fissured grey mottled orange brown slightly sandy slightly gravelly CLAY with occasional inclusions of carbonized wood (<10mm diameter). Gravel is subangular to subrounded fine to coarse mixed lithologies including sandstone and occasional vein material. (HEAD DEPOSITS)	8.49	1.00	
0.80-0.90	4	B				Stiff and very stiff extremely closely fissured red brown and light grey slightly sandy CLAY with frequent angular to subangular fine to coarse very weak light grey mudstone lithorelicts. Some lithorelicts comprise of slightly sandy slightly gravelly mudstone. Gravel is rounded fine mixed lithologies. Trial pit terminated at 1.00m depth.			
0.95	5	D							
1.00	6	D							
1.00	7	D							
1.00	8	D							
1.00	9	D							
1.00		HP							

Plan (Not to Scale)



General Remarks

- Side walls stable.
- Slow seepage at 0.90m depth standing at 0.90m depth on completion.
- Location: Lox Yeo Valley (Mendips).

All dimensions in metres

Scale: **1:25**

Method Used:

Hand dug

Plant Used:

Hand tools

Logged By:

Wallwood



Contract: Hinkley to Seabank 400kV Connection		Client: Electricity Alliance West		Trial Pit: TH6C
Contract Ref: 727635	Start: 3.5.13 End: 3.5.13	Ground Level (m AOD): 9.49	National Grid Co-ordinate: E:339728.8 N:157669.8	Sheet: 2 of 2

TH6C Overview



TH6C Spoil

Method Used: Hand dug	Plant Used: Hand tools	Logged By: Wallwood
---------------------------------	----------------------------------	-------------------------------



Contract: Hinkley to Seabank 400kV Connection			Client: Electricity Alliance West		Trial Pit: TH6D
Contract Ref: 727635	Start: 10.5.13 End: 10.5.13	Ground Level (m AOD): 11.05	National Grid Co-ordinate: E:340014.4 N:157947.7		Sheet: 1 of 2

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend	
Depth	No	Type	Results							
						MADE GROUND: Grass over stiff locally firm to stiff dark brown slightly sandy slightly gravelly CLAY with frequent rootlets (less than 1mm diameter). Gravel is angular to subrounded fine to coarse mixed lithologies including sandstone and rare brick.	10.75	(0.30)		
0.40	1	D	c _u =125/125/150			Stiff occasionally extremely closely to very closely fissured grey slightly sandy slightly gravelly CLAY. Gravel is angular to subrounded fine to coarse mixed lithologies including sandstone, quartzite and charcoal. 1 no. bone fragment found (probable animal horn?).	10.40	(0.35)		
0.50-0.60	2	B								
0.50	HP							0.65		
0.70	3	D	c _u =75/100/125			Firm to stiff and stiff brown slightly sandy locally sandy slightly gravelly CLAY with occasional pockets of firm grey slightly sandy clay (less than 50mm). Gravel is subangular to subrounded fine to coarse mixed lithologies including quartzite and sandstone. 1 no. horn/bone fragment found (less than 5mm diameter).	9.85	(0.55)		
0.80-1.00	4	B								
0.80	HP									
1.00-1.20	5	U								
1.00-1.20	6	U								
1.00-1.20	7	U								
1.00-1.20	8	U				(SUPERFICIAL DEPOSITS)				
						Trial pit terminated at 1.20m depth.				

Plan (Not to Scale)		General Remarks	
		1. Trial pit sidewalls stable. 2. Trial pit dry. 3. Location: Lox Yeo Valley (Mendips).	
All dimensions in metres		Scale:	1:25
Method Used: Hand dug	Plant Used: Hand tools	Logged By: Wallwood	



Contract: Hinkley to Seabank 400kV Connection		Client: Electricity Alliance West		Trial Pit: TH6D
Contract Ref: 727635	Start: 10.5.13 End: 10.5.13	Ground Level (m AOD): 11.05	National Grid Co-ordinate: E:340014.4 N:157947.7	Sheet: 2 of 2

TH6D Overview



TH6D Spoil

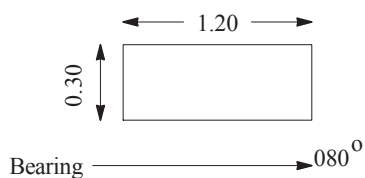
Method Used: Hand dug	Plant Used: Hand tools	Logged By: Wallwood	
---------------------------------	----------------------------------	-------------------------------	--



Contract: Hinkley to Seabank 400kV Connection		Client: Electricity Alliance West		Trial Pit: TH6E
Contract Ref: 727635	Start: 29.5.13 End: 29.5.13	Ground Level (m AOD): 18.69	National Grid Co-ordinate: E:340723.8 N:158415.7	Sheet: 1 of 3

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
						MADE GROUND: Grass overlaying very soft brown slightly sandy CLAY with rootlets. (TOPSOIL).		(0.30)	
						Firm light brown CLAY with rootlets.	18.39	0.30	
						Very soft dark blackish brown slightly sandy organic CLAY with dead plant rootlets.	18.14	0.55	
						... land drain at 0.60m depth 48° orientation.		(0.45)	
						... between 0.60m and 0.70m depth strata grey subrounded to subangular medium to coarse gravel of sandstone. Low cobble content of sandstone. Concentrated locally around drain.	17.69	1.00	
0.90	1	B				Trial pit terminated at 1.00m depth.			
0.95	2	B							
1.00	1	U							
1.00	2	U							
1.00	3	U							
1.00	3	B							

Plan (Not to Scale)



General Remarks

1. Trial pit stable, water at 0.90m depth.
2. Electric cables at 0.85m depth: 340723.4, 158415.6
3. Land drain at 0.60m depth surrounded by sandstone gravel and cobbles.
4. Trial pit backfilled upon completion.
5. Location: Sandford.

All dimensions in metres

Scale: **1:25**

Method Used:

Hand dug

Plant Used:

Hand tools

Logged By:

WDixon



Contract: Hinkley to Seabank 400kV Connection		Client: Electricity Alliance West		Trial Pit: TH6E
Contract Ref: 727635	Start: 29.5.13 End: 29.5.13	Ground Level (m AOD): 18.69	National Grid Co-ordinate: E:340723.8 N:158415.7	Sheet: 2 of 3

TH6E Overview



TH6E Spoil

Method Used: Hand dug	Plant Used: Hand tools	Logged By: WDixon	
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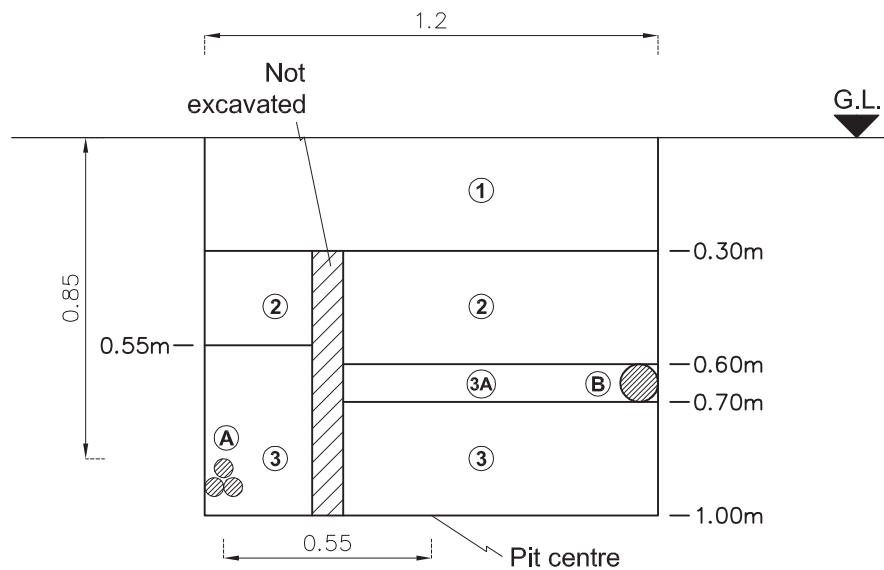
Contract: Hinkley to Seabank 400kV Connection		Client: Electricity Alliance West		Trial Pit: TH6E
Contract Ref: 727635	Start: 29.5.13 End: 29.5.13	Ground Level (m AOD): 18.69	National Grid Co-ordinate: E:340723.8 N:158415.7	Sheet: 3 of 3

TH6E Land Drain

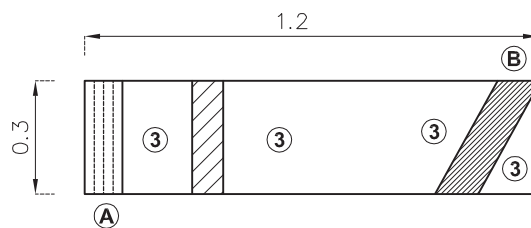


TH6E Electricity Cables

Method Used:	Hand dug	Plant Used:	Hand tools	Logged By:	WDixon
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South Face
(Looking 170°)



Plan View

Ⓐ Electric Cables

0.85mm depth cluster of 3 electric cables.
Red sleaths. Each ~ 40-60mm Ø, Yellow
hazard tape above, Trending ~ 170°

Ⓐ Land Drain

0.60m depth. ~ 048° orientation

LEGEND

① - ④ Stratums
Ⓐ - Ⓓ Services

NOTE

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STRUCTURAL SOILS LIMITED



The Old School
Stillhouse Lane
Bedminster
Bristol BS3 4EB

Tel: 0117 947 1000
Fax: 0117 947 1004
ask@soils.co.uk
www.soils.co.uk

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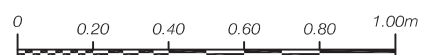
EXPLORATORY HOLE TH6E - FIELD SKETCH

00	12.07.2013	-	JAH	WA	-
REV.	DATE	DESCRIPTION	BY	CHD.	APR.
DIMENSION		SCALE	DRAWING STATUS		
m		1:20	-		

JOB NO.

727635

SCALE BAR



ORIGIN SIZE

A4

FIGURE

TH6E



Contract: Hinkley to Seabank 400kV Connection			Client: Electricity Alliance West			Trial Pit: TH6X		
Contract Ref: 727635		Start: 24.5.13 End: 24.5.13	Ground Level (m AOD): 15.56		National Grid Co-ordinate: E:340393.8 N:158239.4		Sheet: 1 of 1	

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
						MADE GROUND: Grass overlaying dark brown clayey SAND.	15.36	0.20	
						Soft dark brownish red slightly sandy CLAY.		(0.80)	
							14.56	1.00	
						Dark brownish red slightly clayey SAND with lithorelicts.		(0.45)	
							14.11	1.45	
						Trial pit terminated at 1.45m depth.			

Plan (Not to Scale)			General Remarks		
			1. Hole stable and dry. 2. Hole backfilled on completion. 3. Location: Lox Yeo Valley (Mendips).		
All dimensions in metres			Scale: 1:25		
Method Used: Hand dug		Plant Used: Hand tools		Logged By: WDixon	



Contract: Hinkley to Seabank 400kV Connection			Client: Electricity Alliance West		Trial Pit: TH6Y
Contract Ref: 727635	Start: 24.5.13 End: 24.5.13	Ground Level (m AOD): 15.45	National Grid Co-ordinate: E:340385.5 N:158234.4		Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
						MADE GROUND: Grass overlaying brown clayey SAND.	15.32	0.13	
						Soft brownish red slightly sandy CLAY.		(1.07)	
						... between 1.08m and 1.12m depth bluish grey.	14.25	1.20	
						... between 1.12m and 1.20m depth dark brownish red mottled bluish grey.			
						Trial pit terminated at 1.20m depth.			

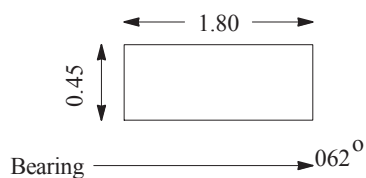
Plan (Not to Scale)		General Remarks	
		1. Hole stable and dry. 2. Hole backfilled with arisings on completion. 3. Location: Lox Yeo Valley (Mendips).	
All dimensions in metres		Scale:	1:25
Method Used: Hand dug	Plant Used: Hand tools	Logged By: WDixon	



Contract: Hinkley to Seabank 400kV Connection		Client: Electricity Alliance West		Trial Pit: TH6Z
Contract Ref: 727635	Start: 24.5.13 End: 24.5.13	Ground Level (m AOD): 15.69	National Grid Co-ordinate: E:340395.2 N:158240.4	Sheet: 1 of 3

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
						1. MADE GROUND: Grass over firm brown slightly sandy slightly gravelly CLAY. Gravel is angular to subrounded fine to coarse mixed lithologies including sandstone, glass and brick.	15.49	0.20	
						2. Firm dark slightly sandy slightly gravelly CLAY with frequent rootlets (3mm diameter). Gravel is subangular to subrounded fine to coarse mixed lithologies including sandstone, quartz and limestone.	15.09	0.60	
						(SUPERFICIAL DEPOSITS)			
						3. Firm to stiff brown slightly sandy locally sandy gravelly CLAY. Gravel is subangular to subrounded fine to coarse mixed lithologies including sandstone, limestone and quartz.	14.74	0.95	
						(SUPERFICIAL DEPOSITS)			
						... 5. MADE GROUND: Intermixed firm red brown and blue grey slightly sandy CLAY with firm brown slightly sandy gravelly CLAY. Gravel is mixed lithologies including sandstone, limestone and quartz.	14.49	1.20	
						4. Firm to stiff becoming stiff blue grey slightly sandy slightly gravelly CLAY. Gravel is subrounded fine to coarse siltstone and quartz.			
						(SUPERFICIAL DEPOSITS)			
						... at 1.02m depth: Water main 300mm diameter, asbestos, 145° orientation.			
						... below 1.15m depth mottled red brown.			
						Trial pit terminated at 1.20m depth.			

Plan (Not to Scale)



General Remarks

1. Sidewalls stable.
2. Trial pit dry.
3. Excavated to locate water main at new position identified by water board nearer to hedge line.
4. 1.02m depth: Water main: 340395.6, 158240.5
5. Location: Lox Yeo Valley (Mendips).

All dimensions in metres

Scale: **1:25**

Method Used:

Hand dug

Plant Used:

Hand tools

Logged By:

Wallwood



Contract: Hinkley to Seabank 400kV Connection		Client: Electricity Alliance West		Trial Pit: TH6Z
Contract Ref: 727635	Start: 24.5.13 End: 24.5.13	Ground Level (m AOD): 15.69	National Grid Co-ordinate: E:340395.2 N:158240.4	Sheet: 2 of 3

TH6Z Overview



TH6Z Overview

Method Used: Hand dug	Plant Used: Hand tools	Logged By: Wallwood	
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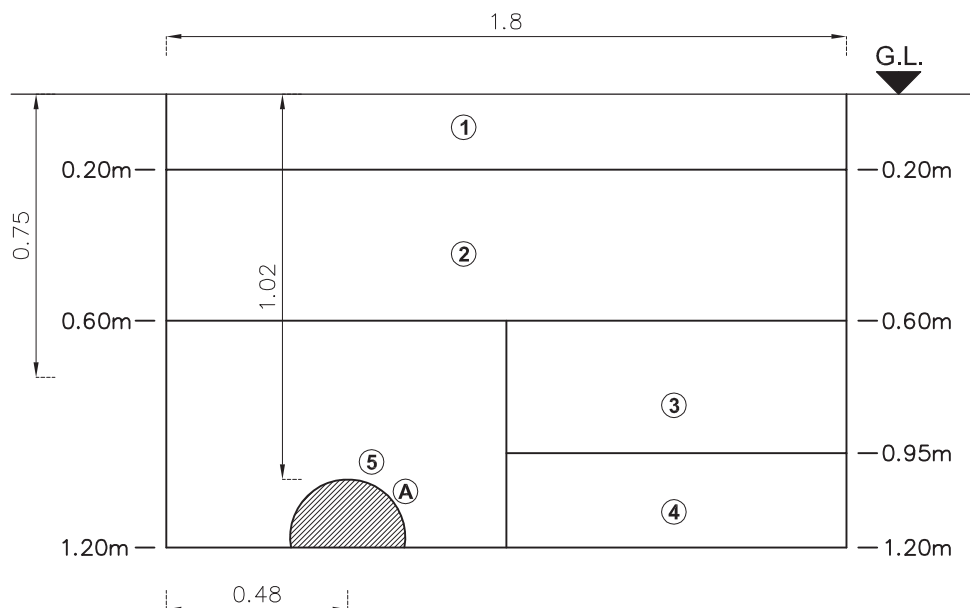
Contract: Hinkley to Seabank 400kV Connection		Client: Electricity Alliance West		Trial Pit: TH6Z
Contract Ref: 727635	Start: 24.5.13 End: 24.5.13	Ground Level (m AOD): 15.69	National Grid Co-ordinate: E:340395.2 N:158240.4	Sheet: 3 of 3

TH6Z Water Main

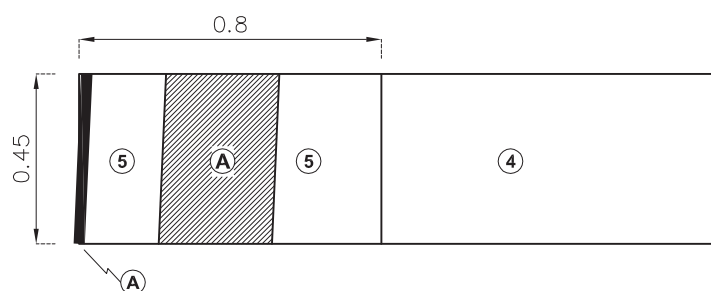


TH6X Spoil

Method Used: Hand dug	Plant Used: Hand tools	Logged By: Wallwood	
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Sotheast Face



Plan View

- Ⓐ Water Main
1.02 depth, asbestos, ~ 300mm Ø. 145° orientation.

LEGEND

- ① - ④ Stratums
Ⓐ - Ⓓ Services

NOTE

All dimensions are in meters (unless stated otherwise)

STRUCTURAL SOILS LIMITED



The Old School
Stillhouse Lane
Bedminster
Bristol BS3 4EB

Tel: 0117 947 1000
Fax: 0117 947 1004
ask@soils.co.uk
www.soils.co.uk

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Hinkley to Seabank 400KV Connection

TITLE

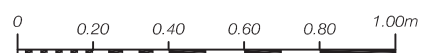
EXPLORATORY HOLE TH6Z - FIELD SKETCH

00	12.07.2013	-	JAH	WA	-
REV.	DATE	DESCRIPTION	BY	CHD.	APR.

DIMENSION	SCALE	DRAWING STATUS
m	1:20	-

JOB NO.
727635

SCALE BAR



ORIGIN SIZE

A4

FIGURE

TH6Z



Contract: Hinkley to Seabank 400kV Connection			Client: Electricity Alliance West		Trial Pit: TH7
Contract Ref: 727635	Start: 30.5.13 End: 30.5.13	Ground Level (m AOD): 28.39	National Grid Co-ordinate: E:341057.2 N:158594.6		Sheet: 1 of 3

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
						1. MADE GROUND: Soft dark brownish red sandy CLAY with rootlets (TOPSOIL).	28.09	(0.30)	
						2. Soft dark brownish red slightly sandy CLAY.			
						... trace cable at 0.75m depth 25mm diameter 100° to 110° orientation black plastic sheath. Yellow hazard tape above.		(0.90)	
1.00	1	B							
1.00	1	U							
1.00	2	U							
1.00	3	U							
1.00	4	U							
1.10	2	B							
1.20	3	B							
						... water main at 1.20m depth 500mm to 900mm diameter 110° orientation with adjacent trace cable (250mm west of water main). Trial pit terminated at 1.20m depth.	27.19	1.20	

Plan (Not to Scale)		General Remarks	
		1. Trial pit stable and dry. 2. Water pipe at 1.20m depth: 341057.2, 158594.7 3. Trial pit backfilled on completion. 4. Location: Sandford.	
All dimensions in metres		Scale:	1:25
Method Used: Hand dug	Plant Used: Hand tools	Logged By: WDixon	



Contract: Hinkley to Seabank 400kV Connection		Client: Electricity Alliance West		Trial Pit: TH7
Contract Ref: 727635	Start: 30.5.13 End: 30.5.13	Ground Level (m AOD): 28.39	National Grid Co-ordinate: E:341057.2 N:158594.6	Sheet: 2 of 3

TH7 Overview



TH7 Water Main and Trace Cable

Method Used: Hand dug	Plant Used: Hand tools	Logged By: WDixon
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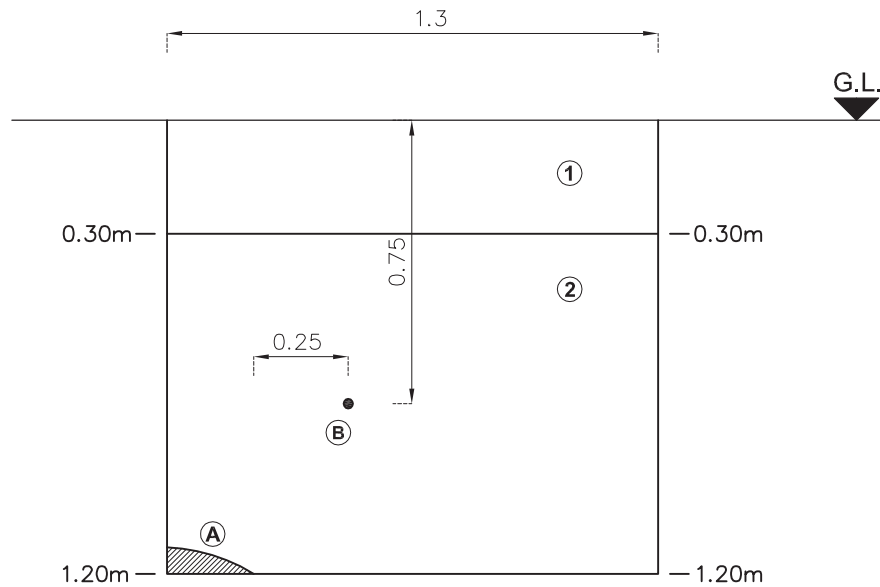


Contract: Hinkley to Seabank 400kV Connection		Client: Electricity Alliance West		Trial Pit: TH7
Contract Ref: 727635	Start: 30.5.13 End: 30.5.13	Ground Level (m AOD): 28.39	National Grid Co-ordinate: E:341057.2 N:158594.6	Sheet: 3 of 3

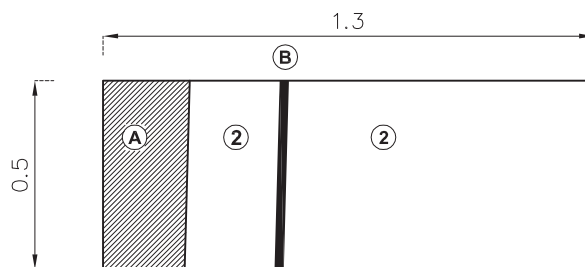
TH7 Spoil



Method Used: Hand dug	Plant Used: Hand tools	Logged By: WDixon	
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East Face



Plan View

Ⓐ Water Main
1.20m depth 500 - 900mmØ 110°orientation

Ⓑ Trace Cable
0.75m depth, black plastic sheath, ~25mm Ø,
100 - 110° orientation. Yellow hazard tape

LEGEND

① - ④ Stratums
Ⓐ - Ⓓ Services

NOTE

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STRUCTURAL SOILS LIMITED



The Old School
Stillhouse Lane
Bedminster
Bristol BS3 4EB

Tel: 0117 947 1000
Fax: 0117 947 1004
ask@soils.co.uk
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TITLE

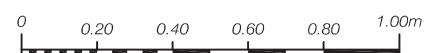
EXPLORATORY HOLE TH7 - FIELD SKETCH

00	12.07.2013	-	JAH	WA	-
REV.	DATE	DESCRIPTION	BY	CHD.	APR.
DIMENSION		SCALE	DRAWING STATUS		
m		1:20	-		

JOB NO.

727635

SCALE BAR



ORIGIN SIZE

A4

FIGURE

TH7



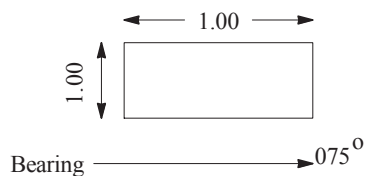
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TRIAL PIT LOG

Contract: Hinkley to Seabank 400kV Connection			Client: Electricity Alliance West		Trial Pit: TH7A
Contract Ref: 727635	Start: 29.4.13 End: 29.4.13	Ground Level (m AOD): 19.91	National Grid Co-ordinate: E:340793.1 N:158446.4		Sheet: 1 of 2

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.30	1	B	$c_u=75$			MADE GROUND: Firm brown slightly sandy slightly gravelly CLAY with frequent rootlets (less than 1mm diameter). Gravel is angular to rounded mixed lithologies including charcoal.	19.71	0.20	
0.50-0.80 0.50	2	B HP				Firm to stiff very closely fissured occasionally extremely closely fissured brown occasionally mottled grey slightly sandy gravelly CLAY. Gravel is subangular to rounded fine to medium mixed lithologies including limestone and sandstone and black iron with organic nodules (less than 4mm diameter). (SUPERFICIAL DEPOSITS)	19.11	0.80	
0.90 0.90 0.90	3 4	B B HP	$c_u=50/75/75$			Firm to stiff very closely fissured grey mottled orange brown slightly sandy CLAY.		(0.45)	
1.00-1.25	5	U							
1.00-1.25	6	U							
1.00-1.25	7	U							
1.00-1.25	8	U				Trial pit terminated at 1.25m depth.	18.66	1.25	

Plan (Not to Scale)



General Remarks

1. Trial pit side walls stable.
2. Trial pit dry.
3. Location: Sandford.

All dimensions in metres

Scale: **1:25**

Method Used:

Hand dug

Plant Used:

Hand tools

Logged By:

Wallwood



Contract: Hinkley to Seabank 400kV Connection		Client: Electricity Alliance West		Trial Pit: TH7A
Contract Ref: 727635	Start: 29.4.13 End: 29.4.13	Ground Level (m AOD): 19.91	National Grid Co-ordinate: E:340793.1 N:158446.4	Sheet: 2 of 2

TH7A Overview



Method Used: Hand dug	Plant Used: Hand tools	Logged By: Wallwood
---------------------------------	----------------------------------	-------------------------------



Contract: Hinkley to Seabank 400kV Connection			Client: Electricity Alliance West			Trial Pit: TH7B	
Contract Ref: 727635		Start: 30.5.13 End: 30.5.13	Ground Level (m AOD): 28.46	National Grid Co-ordinate: E:341082.6 N:158599.3		Sheet: 1 of 3	

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
						1. MADE GROUND: Soft dark brownish red sandy CLAY with rootlets (TOPSOIL).	28.16	(0.30)	
						2. Dark brownish red slightly sandy CLAY.	27.86	(0.30)	
						... at 0.60m depth water main 600mm to 800mm diameter 108° orientation. Trial pit terminated at 0.60m depth.		0.60	

Plan (Not to Scale)		General Remarks	
		<ol style="list-style-type: none">1. Trial pit stable and dry.2. Water pipe at 0.60m depth was not on service plans: 341082.6, 158599.3. Pit dug to prove presence.3. Trial pit backfilled on completion.4. Water pipe 108° orientation.5. TH7B required genny to find.6. Location: Sandford.	
All dimensions in metres		Scale: 1:25	
Method Used: Hand dug	Plant Used: Hand tools	Logged By: WDixon	



Contract: Hinkley to Seabank 400kV Connection		Client: Electricity Alliance West		Trial Pit: TH7B
Contract Ref: 727635	Start: 30.5.13 End: 30.5.13	Ground Level (m AOD): 28.46	National Grid Co-ordinate: E:341082.6 N:158599.3	Sheet: 2 of 3

TH7B Overview



TH7B Watermain

Method Used: Hand dug	Plant Used: Hand tools	Logged By: WDixon
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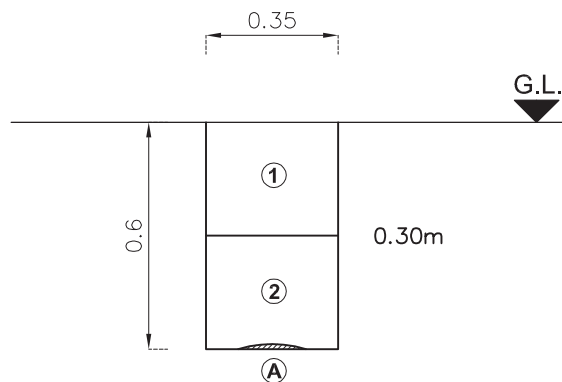


Contract: Hinkley to Seabank 400kV Connection		Client: Electricity Alliance West		Trial Pit: TH7B
Contract Ref: 727635	Start: 30.5.13 End: 30.5.13	Ground Level (m AOD): 28.46	National Grid Co-ordinate: E:341082.6 N:158599.3	Sheet: 3 of 3

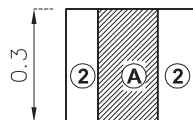
TH7B Spoil



Method Used: Hand dug	Plant Used: Hand tools	Logged By: WDixon
---------------------------------	----------------------------------	-----------------------------



East Face



Plan View

- Ⓑ Water Main
0.60m depth, 600 - 800mmØ 108°orientation

LEGEND

- ① - ④ Stratums
Ⓐ - Ⓓ Services

NOTE

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The Old School
Stillhouse Lane
Bedminster
Bristol BS3 4EB

Tel: 0117 947 1000
Fax: 0117 947 1004
ask@soils.co.uk
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Hinkley to Seabank 400KV Connection

TITLE

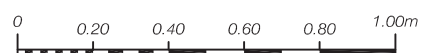
EXPLORATORY HOLE TH7B - FIELD SKETCH

00	12.07.2013	-	JAH	WA	-
REV.	DATE	DESCRIPTION	BY	CHD.	APR.
DIMENSION		SCALE	DRAWING STATUS		
m		1:20	-		

JOB NO.

727635

SCALE BAR



ORIGIN SIZE

A4

FIGURE

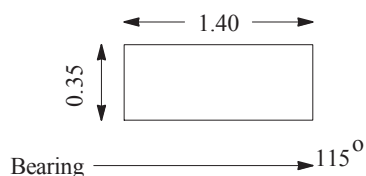
TH7B



Contract: Hinkley to Seabank 400kV Connection			Client: Electricity Alliance West		Trial Pit: TH8
Contract Ref: 727635	Start: 17.5.13 End: 17.5.13	Ground Level (m AOD): 37.09	National Grid Co-ordinate: E:341341.5 N:158793.0		Sheet: 1 of 3

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.50	6	D	$c_u=75/100/125$			1. MADE GROUND: Firm to stiff brown slightly sandy slightly gravelly CLAY with occasional rootlets and roots (less than 5mm diameter)	36.79	(0.30)	
0.50		HP				2. Firm to stiff and stiff red brown slightly sandy locally sandy slightly gravelly CLAY. Gravel is subangular to subrounded fine to coarse sandstone and siltstone and other mixed lithologies.	36.44	(0.35)	
0.70	1	D				(SUPERFICIAL DEPOSITS)			
0.80	2	B				... 4. MADE GROUND: Firm to stiff red brown slightly sandy slightly gravelly CLAY. Gravel is mixed lithologies including sandstone, limestone and mudstone.			
1.00-1.25	3	U				3. Firm and firm to stiff red brown slightly sandy CLAY with occasional subangular and subrounded fine to coarse extremely and very weak mudstone lithorelicts.		(0.95)	
1.00-1.25	4	U				(MERCIA MUDSTONE GROUP)			
1.00-1.25	5	U				... at 1.55m depth: Gas main, yellow plastic 200mm to 300mm diameter 180° to 190° diameter.	35.49	1.60	
						Trial pit terminated at 1.60m depth.			

Plan (Not to Scale)



General Remarks

1. Trial pit sidewalls stable.
2. Trial pit dry.
3. Gas main yellow plastic 200mm to 300mm diameter, 1.55m depth: 341341.8, 158792.9, 180° to 190° orientation.
4. Location: Sandford.

All dimensions in metres

Scale: **1:25**

Method Used: Hand dug	Plant Used: Hand tools	Logged By: Wallwood	Checked By: [Redacted]
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Contract: Hinkley to Seabank 400kV Connection		Client: Electricity Alliance West		Trial Pit: TH8
Contract Ref: 727635	Start: 17.5.13 End: 17.5.13	Ground Level (m AOD): 37.09	National Grid Co-ordinate: E:341341.5 N:158793.0	Sheet: 2 of 3

TH8 Overview



TH8 Sidewalls

Method Used: Hand dug	Plant Used: Hand tools	Logged By: Wallwood	Checked By:
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Contract: Hinkley to Seabank 400kV Connection		Client: Electricity Alliance West		Trial Pit: TH8
Contract Ref: 727635	Start: 17.5.13 End: 17.5.13	Ground Level (m AOD): 37.09	National Grid Co-ordinate: E:341341.5 N:158793.0	Sheet: 3 of 3

TH8 Gas Main





TH8 Gas Main 2

Method Used: Hand dug	Plant Used: Hand tools	Logged By: Wallwood	Checked By:
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Yellow plastic ~ 200 - 300mm Ø, 1.55m depth.
180 - 190° orientation.

<div>LEGEND</div> <div><div>① - ④</div>Stratums</div> <div><div>Ⓐ - Ⓓ</div>Services</div>						<div>NOTE</div> <div>All dimensions are in meters (unless stated otherwise)</div>					
<div>STRUCTURAL SOILS LIMITED</div> <div><div><div>The Old School</div><div>Stillhouse Lane</div><div>Bedminster</div><div>Bristol BS3 4EB</div></div><div><div>Tel: 0117 947 1000</div><div>Fax: 0117 947 1004</div><div>ask@soils.co.uk</div><div>www.soils.co.uk</div></div></div>						<div>CLIENT</div> <div>EAW</div>					
						<div>PROJECT</div> <div>Hinkley to Seabank 400KV Connection</div>					
						<div>TITLE</div> <div>EXPLORATORY HOLE TH8 - FIELD SKETCH</div>					
00	12.07.2013	-	JAH	WA	-						
REV.	DATE	DESCRIPTION	BY	CHD.	APR.						
DIMENSION		SCALE		DRAWING STATUS		JOB NO.		SCALE BAR		ORIGIN SIZE	FIGURE
m		1:20		-		727635				A4	TH8



Contract: Hinkley to Seabank 400kV Connection			Client: Electricity Alliance West		Trial Pit: TH9
Contract Ref: 727635	Start: 31.3.13 End: 31.3.13	Ground Level (m AOD): 29.07	National Grid Co-ordinate: E:341504.4 N:159070.8		Sheet: 1 of 3

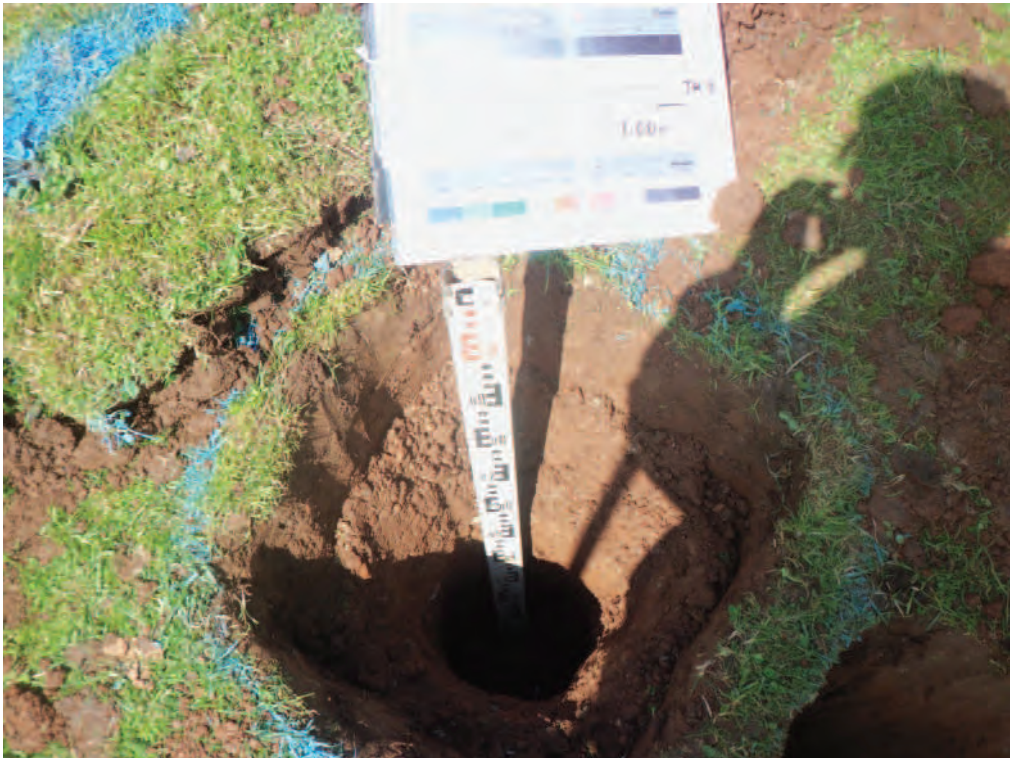
Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.90	1	B				1. MADE GROUND: Grass overlaying dark brown slightly clayey SAND (TOPSOIL).	28.82	0.25	
0.95	2	B				2. Soft dark brownish red sandy CLAY.		(0.40)	
1.00	1	U				3. Dark brownish red slightly clayey slightly gravelly SAND. Gravel is subrounded to subangular medium to coarse mudstone and claystone.	28.42	0.65	
1.00	2	U				... at 0.90m depth water main possibly asbestos 400mm to 600mm diameter 116° orientation.	28.07	1.00	
1.00	3	B				Trial pit terminated at 1.00m depth.			
1.00	3	U							

Plan (Not to Scale)		General Remarks			
		1. Trial pit stable and dry. 2. Water pipe at 0.90m depth: 141504.4, 159070.8 3. Trial pit backfilled on completion. 4. Location: Sandford.			
		All dimensions in metres		Scale:	1:2
Method Used: Hand dug	Plant Used:	Hand tools		Logged By: WDixon	Checked By:



Contract: Hinkley to Seabank 400kV Connection		Client: Electricity Alliance West		Trial Pit: TH9
Contract Ref: 727635	Start: 31.3.13 End: 31.3.13	Ground Level (m AOD): 29.07	National Grid Co-ordinate: E:341504.4 N:159070.8	Sheet: 2 of 3

TH9 Overview



TH9 Water Main

Method Used: Hand dug	Plant Used: Hand tools	Logged By: WDixon	Checked By:
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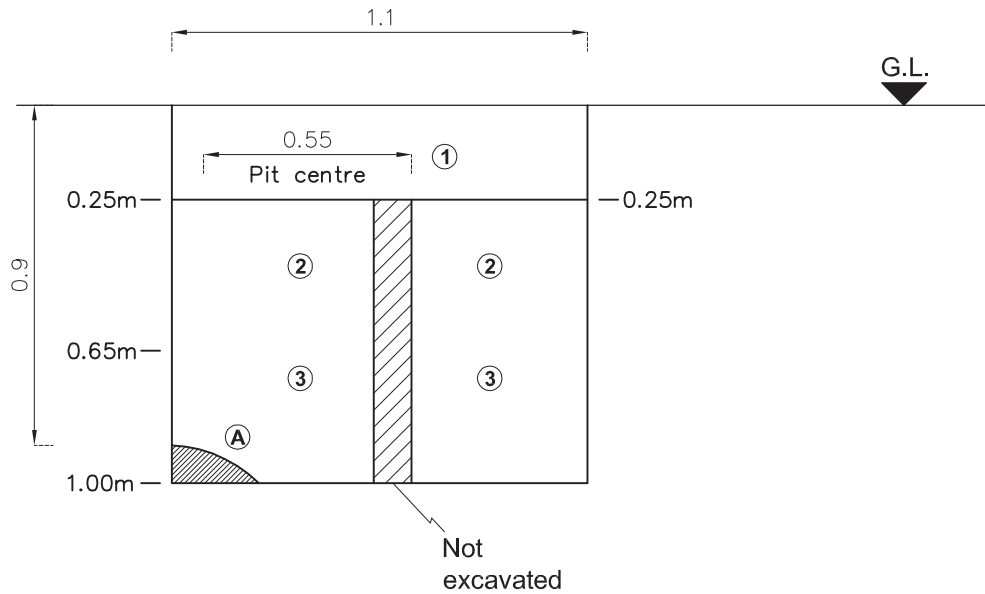
Contract: Hinkley to Seabank 400kV Connection		Client: Electricity Alliance West		Trial Pit: TH9
Contract Ref: 727635	Start: 31.3.13 End: 31.3.13	Ground Level (m AOD): 29.07	National Grid Co-ordinate: E:341504.4 N:159070.8	Sheet: 3 of 3

TH9 Spoil

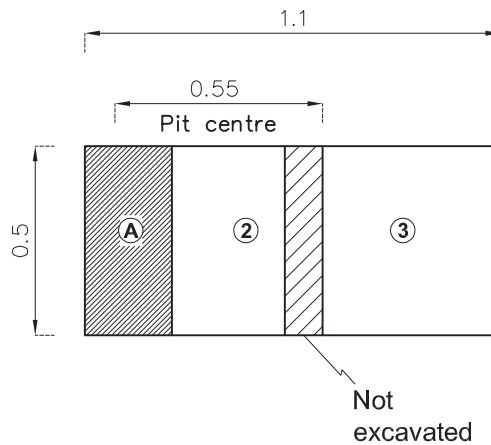


GINT LIBRARY V8.04.GLB1 Log TRIAL PIT LOG - STANDARD | 727635 HINKLEY TO SEABANK.GPJ - v8.04 | 18/10/13 - 14:35 | AD.
Structural Soils Ltd, Head Office - Bristol: The Old School, Stillhouse Lane, Bedminster, Bristol, BS3 4EB. Tel: 0117 947-1000, Fax: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk

Method Used: Hand dug	Plant Used: Hand tools	Logged By: WDixon	Checked By:
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East Face
(Looking 114°)



Plan View

- Ⓐ Water Main
0.90m depth. Possibly asbestos,
400 - 600mm Ø, 116° orientation.

LEGEND

- ① - ④ Stratums
Ⓐ - Ⓓ Services

NOTE

All dimensions are in meters (unless stated otherwise)

STRUCTURAL SOILS LIMITED



The Old School
Stillhouse Lane
Bedminster
Bristol BS3 4EB

Tel: 0117 947 1000
Fax: 0117 947 1004
ask@soils.co.uk
www.soils.co.uk

CLIENT

EAW

PROJECT

Hinkley to Seabank 400KV Connection

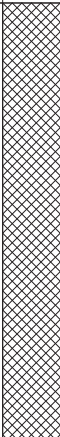


TITLE

EXPLORATORY HOLE TH9 - FIELD SKETCH

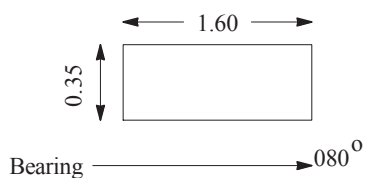
00	12.07.2013	-	JAH	WA	-
REV.	DATE	DESCRIPTION	BY	CHD.	APR.
DIMENSION		SCALE	DRAWING STATUS		
m		1:20	-		
JOB NO.		SCALE BAR		ORIGIN SIZE	FIGURE
727635				A4	TH9



Contract: Hinkley to Seabank 400kV Connection			Client: Electricity Alliance West		Trial Pit: TH10
Contract Ref: 727635	Start: 16.5.13 End: 16.5.13	Ground Level (m AOD): 16.32	National Grid Co-ordinate: E:341388.7 N:159436.3		Sheet: 1 of 3

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.50 0.50 0.60-1.00 0.80 1.00-1.20 1.00-1.20 1.00-1.20	1	D	$c_u=75/50/75$			1. MADE GROUND: Firm to stiff brown slightly sandy CLAY with frequent rootlets (less than 1mm diameter).	16.12	0.20	
	2	HP B				2. MADE GROUND: Firm and firm to stiff red brown occasionally speckled light grey green slightly sandy slightly gravelly CLAY. gravel is subangular fine to coarse mudstone and siltstone.		(0.80)	
		HP	$c_u=100/75/50$				15.32	1.00	
	3	U				3. Firm locally firm to stiff extremely closely fissured red brown occasionally light grey green CLAY with occasional subangular fine to coarse mudstone and siltstone lithorelicts. (MERCIA MUDSTONE GROUP)		(0.45)	
	4	U					14.87	1.45	
5	U								
						. . . at 1.45m depth: Gas main 200mm to 300mm diameter yellow plastic 175° orientation. No surrounding trench lay material. Trial pit terminated at 1.45m depth.			

Plan (Not to Scale)



General Remarks

1. Sidewalls stable in natural ground.
2. Trial pit dry.
3. Excavated to locate gas main.
4. Gas main, yellow plastic 200mm to 300mm diameter: 341388.9, 159436.2, 1.45m depth, 175° orientation. No surrounding trench lay material.
5. Location: Sandford.

All dimensions in metres

Scale: **1:25**

Method Used: Hand dug	Plant Used: Hand tools	Logged By: Wallwood	Checked By:
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Contract: Hinkley to Seabank 400kV Connection		Client: Electricity Alliance West		Trial Pit: TH10
Contract Ref: 727635	Start: 16.5.13 End: 16.5.13	Ground Level (m AOD): 16.32	National Grid Co-ordinate: E:341388.7 N:159436.3	Sheet: 2 of 3

TH10 Overview 1



TH10 Overview 2

Method Used: Hand dug	Plant Used: Hand tools	Logged By: Wallwood	Checked By:
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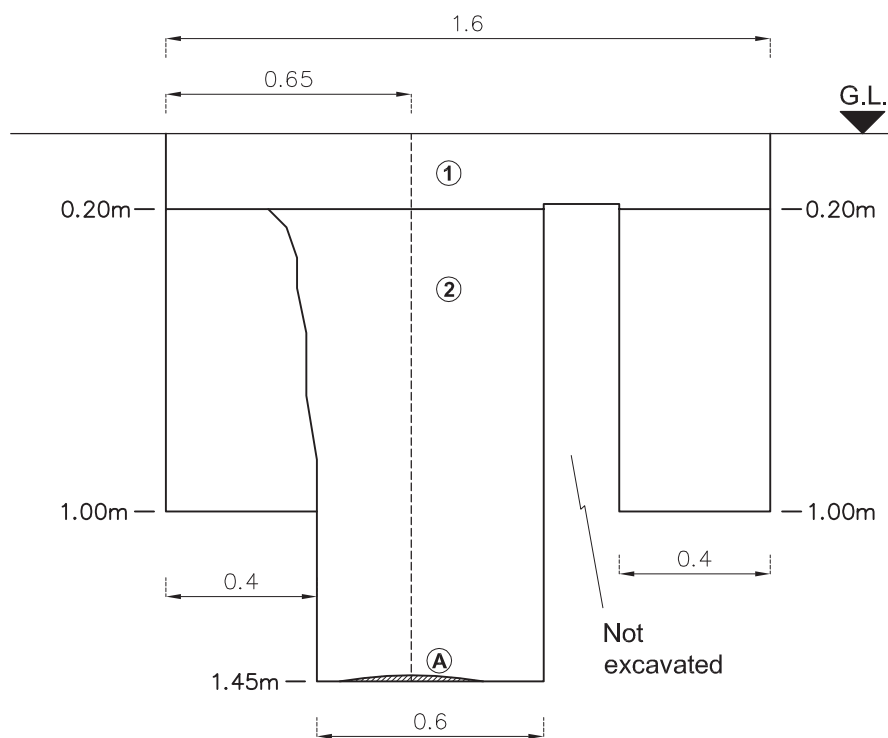


Contract: Hinkley to Seabank 400kV Connection		Client: Electricity Alliance West		Trial Pit: TH10
Contract Ref: 727635	Start: 16.5.13 End: 16.5.13	Ground Level (m AOD): 16.32	National Grid Co-ordinate: E:341388.7 N:159436.3	Sheet: 3 of 3

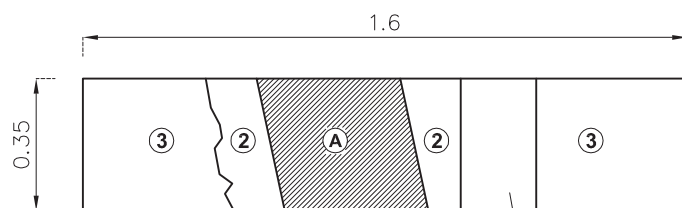
TH10 Gas Main



Method Used: Hand dug	Plant Used: Hand tools	Logged By: Wallwood	Checked By:
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North Face



Plan View

A Gas Main

Yellow plastic ~ 200 - 300mm Ø, 1.45m depth.
175° orientation. No surrounding trench lay material

LEGEND

① - ④ Stratums

A - D Services

NOTE

All dimensions are in meters (unless stated otherwise)

STRUCTURAL SOILS LIMITED



The Old School
Stillhouse Lane
Bedminster
Bristol BS3 4EB

Tel: 0117 947 1000
Fax: 0117 947 1004
ask@soils.co.uk
www.soils.co.uk

CLIENT

EAW

PROJECT

Hinkley to Seabank 400KV Connection

TITLE

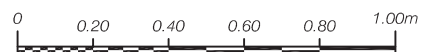
EXPLORATORY HOLE TH10 - FIELD SKETCH

00	12.07.2013	-	JAH	WA	-
REV.	DATE	DESCRIPTION	BY	CHD.	APR.
DIMENSION		SCALE	DRAWING STATUS		
m		1:20	-		

JOB NO.

727635

SCALE BAR



ORIGIN SIZE

A4

FIGURE

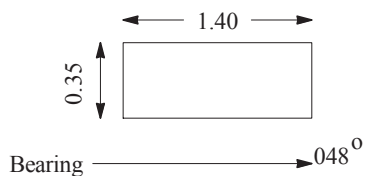
TH10



Contract: Hinkley to Seabank 400kV Connection			Client: Electricity Alliance West		Trial Pit: TH11
Contract Ref: 727635	Start: 15.5.13 End: 15.5.13	Ground Level (m AOD): 10.71	National Grid Co-ordinate: E:341334.4 N:159530.4		Sheet: 1 of 3

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.50	1	D	$c_u=75/100/125$			1. MADE GROUND: Firm to stiff brown slightly sandy slightly gravelly CLAY with frequent rootlets (less than 1mm diameter). Gravel is angular to subrounded fine to medium lithologies.	10.53	0.18	
0.60	2	B				2. MADE GROUND: Mixed strength red brown and brown mottled grey brown slightly sandy slightly gravelly CLAY with occasional subrounded sandstone cobbles (less than 100mm diameter).		(0.67)	
0.70	HP	HP					9.86	0.85	
0.90	3	D	$c_u=50/75/50$			3. Firm and firm to stiff grey occasional mottled red brown slightly sandy locally gravelly CLAY. Gravel is subangular to subrounded fine to medium mixed lithologies. (ALLUVIUM)			
0.90	HP	HP							
1.00-1.20	4	U							
1.00-1.20	5	U							
1.00-1.20	6	U							
						... at 1.50m depth: gas main 200mm to 300mm diameter, yellow plastic, 150° to 160° orientation. Trial pit terminated at 1.55m depth.	9.16	1.55	

Plan (Not to Scale)



General Remarks

1. Trial pit sidewalls stable.
2. Slow seepage at 1.00m depth.
3. Excavated to locate gas main. Gas main 1.50m depth yellow plastic 200mm to 300mm diameter (100mm to 150mm visible in pit): 341334.0, 159530.1, 150° to 160° orientation.
4. Location: Sandford.

All dimensions in metres

Scale: **1:25**

Method Used:

Hand dug

Plant Used:

Hand tools

Logged By:

Wallwood

Checked By:



Contract: Hinkley to Seabank 400kV Connection		Client: Electricity Alliance West		Trial Pit: TH11
Contract Ref: 727635	Start: 15.5.13 End: 15.5.13	Ground Level (m AOD): 10.71	National Grid Co-ordinate: E:341334.4 N:159530.4	Sheet: 2 of 3

TH11 Overview



TH11 Sidewalls

Method Used: Hand dug	Plant Used: Hand tools	Logged By: Wallwood	Checked By:
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Contract: Hinkley to Seabank 400kV Connection		Client: Electricity Alliance West		Trial Pit: TH11
Contract Ref: 727635	Start: 15.5.13 End: 15.5.13	Ground Level (m AOD): 10.71	National Grid Co-ordinate: E:341334.4 N:159530.4	Sheet: 3 of 3

TH11 Gas Main



Method Used: Hand dug	Plant Used: Hand tools	Logged By: Wallwood	Checked By:
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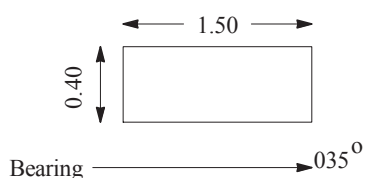
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TRIAL PIT LOG

Contract: Hinkley to Seabank 400kV Connection		Client: Electricity Alliance West		Trial Pit: TH12
Contract Ref: 727635	Start: 14.5.13 End: 14.5.13	Ground Level (m AOD): 9.19	National Grid Co-ordinate: E:341298.8 N:159582.2	Sheet: 1 of 3

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.50		HP	$c_u=100/125/150$			1. MADE GROUND: Grass over firm to stiff brown slightly sandy CLAY with frequent rootlets (less than 1mm diameter). 2. MADE GROUND: Stiff brown occasionally red brown slightly sandy slightly gravelly CLAY with occasional subangular sandstone and concrete cobbles (less than 120mm diameter). Gravel is angular to rounded fine to coarse mixed lithologies including sandstone, limestone and brick. ... at 0.65m depth: Unknown service. Blue plastic corrugated duct 100mm diameter 132° orientation. Surround of grey slightly silty subangular fine to medium limestone gravel between 0.60m and 0.65m depth.	9.04	0.15	
0.85	1	D						(0.65)	
0.90		HP	$c_u=50/75/50$				8.39	0.80	
1.00-1.20	2	U				3. Firm and firm to stiff brown mottled grey brown slightly sandy slightly gravelly CLAY. Gravel is subangular to rounded mixed lithologies including sandstone and limestone.		(0.55)	
1.00-1.20	3	U				... below 1.00m depth south western pit end, occasionally intermixed with soft and firm grey slightly sandy clay.			
1.00-1.20	4	U				... at 1.30m depth: Gas main 200mm to 250mm diameter, steel, 125° orientation. Trial pit terminated at 1.35m depth.	7.84	1.35	

Plan (Not to Scale)



General Remarks

1. Sidewalls generally stable apart from material surrounding unknown service.
2. Slight slow seepage at 1.00m depth.
3. Excavated to locate gas main. gas main at 1.30m depth: 341298.7, 159581.7 0.65m depth: Unknown service (plastic duct).
4. Location: Sandford.

All dimensions in metres

Scale: **1:25**

Method Used: Hand dug	Plant Used: Hand tools	Logged By: AWatts	Checked By: [Redacted]
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Contract: Hinkley to Seabank 400kV Connection		Client: Electricity Alliance West		Trial Pit: TH12
Contract Ref: 727635	Start: 14.5.13 End: 14.5.13	Ground Level (m AOD): 9.19	National Grid Co-ordinate: E:341298.8 N:159582.2	Sheet: 2 of 3

TH12 Overview 1



TH12 Overview 2

Method Used: Hand dug	Plant Used: Hand tools	Logged By: AWatts	Checked By:
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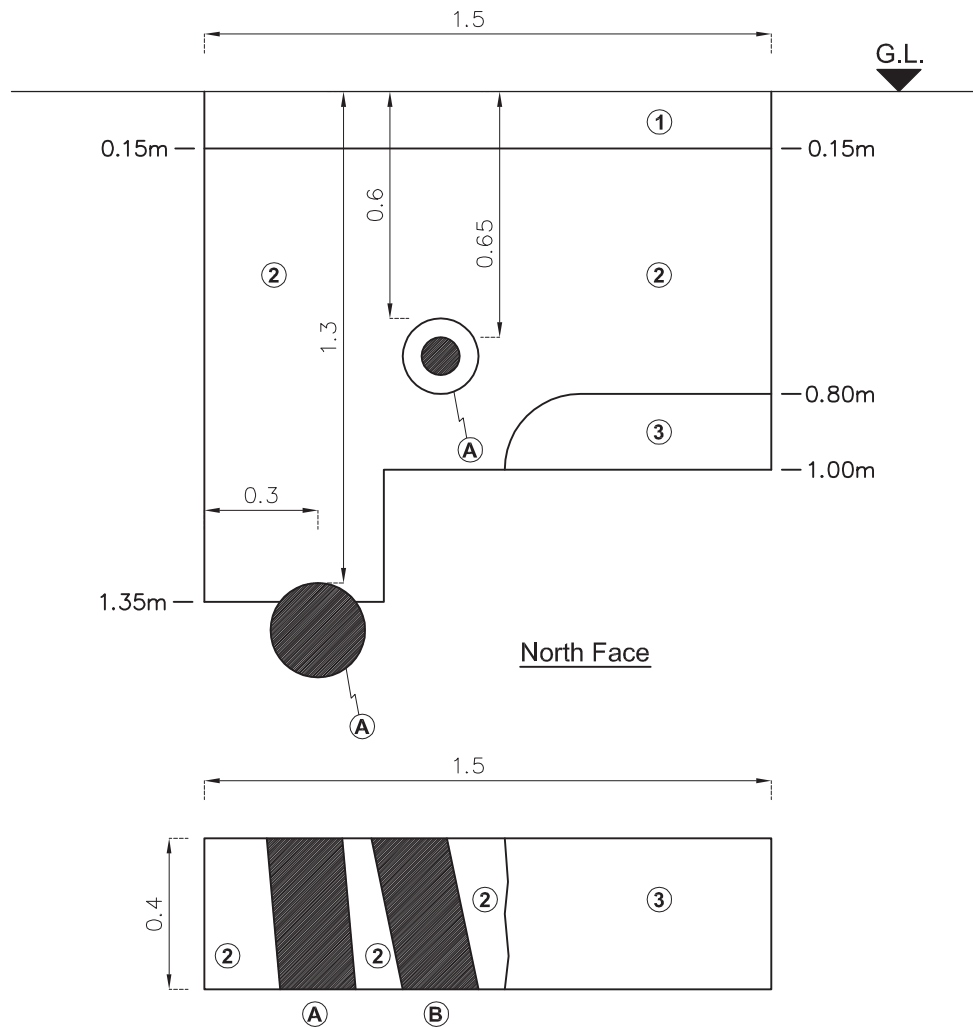


Contract: Hinkley to Seabank 400kV Connection		Client: Electricity Alliance West		Trial Pit: TH12
Contract Ref: 727635	Start: 14.5.13 End: 14.5.13	Ground Level (m AOD): 9.19	National Grid Co-ordinate: E:341298.8 N:159582.2	Sheet: 3 of 3

TH12 Gas Main



Method Used: Hand dug	Plant Used: Hand tools	Logged By: AWatts	Checked By: [Redacted]
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- Ⓐ Gas Main
Steel ~200 to 250mm Ø, 125° orientation
1.30m depth
- Ⓐ Unknown service
blue plastic corrugated duct,
~100mm Ø, 0.65m depth, 132° orientation
Surround of grey slightly subangular firm to fine and medium
limestone gravel. Between 0.60 to 0.65m depth.

LEGEND

① - ④ Stratums

Ⓐ - Ⓓ Services

NOTE

All dimensions are in meters (unless stated otherwise)

STRUCTURAL SOILS LIMITED



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Stillhouse Lane
Bedminster
Bristol BS3 4EB

Tel: 0117 947 1000
Fax: 0117 947 1004
ask@soils.co.uk
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CLIENT

EAW

PROJECT

Hinkley to Seabank 400KV Connection

TITLE

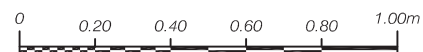
EXPLORATORY HOLE TH12 - FIELD SKETCH

00	12.07.2013	-	JAH	WA	-
REV.	DATE	DESCRIPTION	BY	CHD.	APR.
DIMENSION		SCALE	DRAWING STATUS		
m		1:20	-		

JOB NO.

727635

SCALE BAR



ORIGIN SIZE

A4

FIGURE







TH12

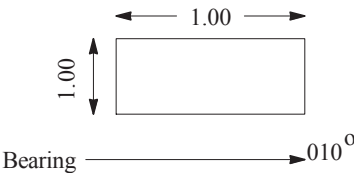
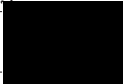


STRUCTURAL SOILS

TRIAL PIT LOG

Contract: Hinkley to Seabank 400kV Connection		Client: Electricity Alliance West		Trial Pit: TH12A
Contract Ref: 727635	Start: 24.4.13 End: 24.4.13	Ground Level (m AOD): 7.10	National Grid Co-ordinate: E:341142.4 N:159790.2	Sheet: 1 of 2

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend		
Depth	No	Type	Results								
						MADE GROUND: Firm to stiff locally stiff brown slightly sandy slightly gravelly CLAY with frequent rootlets (<1mm diameter). Gravel is rare angular fine to medium coal and ceramics.	6.90	0.20			
0.30	1	D	$c_u=150$			Stiff to very stiff brown slightly sandy slightly gravelly CLAY. Gravel is subangular fine to coarse sandstone. (SUPERFICIAL DEPOSITS)	6.70	0.40			
0.40	HP										
0.50	2	D									
0.50-0.70	3	B	$c_u=150/125/150$					Stiff locally stiff to very stiff extremely closely and very closely fissured red brown slightly sandy slightly gravelly CLAY. Gravel is occasionally subangular to subrounded fine to coarse sandstone. (SUPERFICIAL DEPOSITS)	6.35	0.75	
0.70	HP										
0.80	4	D									
0.80-1.00	5	B	$c_u=125$					Stiff extremely closely fissured grey slightly sandy slightly gravelly CLAY. Gravel is rare rounded fine to medium sandstone. (ALLUVIUM)			
0.90	HP										
1.00-1.25	6	U									
1.00-1.25	7	U									
1.00-1.25	8	U									
1.00-1.25	9	U							5.85	1.25	
						Trial pit terminated at 1.25m depth.					

Plan (Not to Scale)		General Remarks		
		1. Very slight seepage at 1.00m depth. 2. Pit side walls stable. 3. Location: Sandford.		
Method Used: Hand dug		Plant Used: Hand tools	Logged By: Wallwood	Checked By: 
All dimensions in metres		Scale: 1:25		



Contract: Hinkley to Seabank 400kV Connection		Client: Electricity Alliance West		Trial Pit: TH12A
Contract Ref: 727635	Start: 24.4.13 End: 24.4.13	Ground Level (m AOD): 7.10	National Grid Co-ordinate: E:341142.4 N:159790.2	Sheet: 2 of 2

TH12A Sidewalls



TH12A Spoil

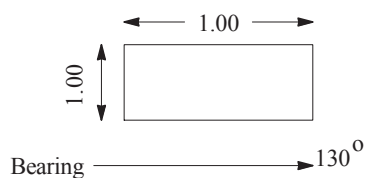
Method Used: Hand dug	Plant Used: Hand tools	Logged By: Wallwood	Checked By:
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Contract: Hinkley to Seabank 400kV Connection			Client: Electricity Alliance West		Trial Pit: TH12B
Contract Ref: 727635	Start: 23.4.13 End: 23.4.13	Ground Level (m AOD): 9.33	National Grid Co-ordinate: E:341248.1 N:160098.0		Sheet: 1 of 2

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend				
Depth	No	Type	Results										
						Firm brown slightly sandy CLAY. (TOPSOIL)	9.18	0.15					
0.20	1	D	c _u =75			Firm to stiff locally stiff brown slightly sandy slightly gravelly CLAY. Gravel is subangular fine to coarse sandstone and mixed lithologies.	8.93	0.40					
0.30	2	B				(SUPERFICIAL DEPOSITS)							
0.40		HP											
0.60	3	D	c _u =175/150/150					Stiff becoming stiff to very stiff below 0.80m depth red brown occasionally mottled light green grey slightly sandy CLAY. (MERCIA MUDSTONE GROUP)		(0.85)			
0.80-1.00	4	B						. . . below 0.80m depth occasionally subrounded fine to coarse gravel of sandstone and occasionally very closely fissured.					
0.90		HP											
1.00-1.25	5	U											
1.00-1.25	6	U											
1.00-1.25	7	U											
1.00-1.25	8	U											
											8.08	1.25	
						Trial pit terminated at 1.25m depth.							

Plan (Not to Scale)



General Remarks

1. Pit dry.
2. Pit side walls stable.
3. Undisturbed samples taken for thermal conductivity testing.
4. Location: Sandford.

All dimensions in metres

Scale: **1:25**

Method Used: Hand dug	Plant Used: Hand tools	Logged By: Wallwood	Checked By:
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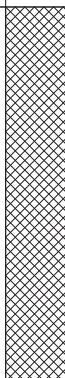

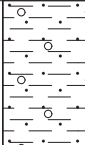
Contract: Hinkley to Seabank 400kV Connection		Client: Electricity Alliance West		Trial Pit: TH12B
Contract Ref: 727635	Start: 23.4.13 End: 23.4.13	Ground Level (m AOD): 9.33	National Grid Co-ordinate: E:341248.1 N:160098.0	Sheet: 2 of 2

TH12B SidewallsTH12B Spoil

Method Used: Hand dug	Plant Used: Hand tools	Logged By: Wallwood	Checked By:
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Contract: Hinkley to Seabank 400kV Connection			Client: Electricity Alliance West		Trial Pit: TH12C
Contract Ref: 727635	Start: 22.4.13 End: 22.4.13	Ground Level (m AOD): 8.69	National Grid Co-ordinate: E:341433.9 N:160449.5		Sheet: 1 of 2

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.50 0.50	1	D				Firm dark brown sandy SILT with frequent rootlets, (TOPSOIL)	8.54	0.15	
		2				B	Light brown very clayey slightly gravelly fine to medium SAND with occasional subangular to subrounded sandstone cobbles (up to 180mm diameter) locally firm light brown sandy slightly gravelly CLAY. Gravel is subangular to subrounded fine to coarse sandstone and mixed lithologies. (SUPERFICIAL DEPOSITS)		(0.60)
0.80	3	D				Firm red brown slightly sandy locally sandy slightly gravelly CLAY with frequent subangular to subrounded sandstone cobbles. Gravel is subangular to subrounded fine to coarse sandstone and mixed lithologies. (SUPERFICIAL DEPOSITS)	7.44	1.25	
0.90	4	B							
1.00-1.20	5	U							
1.00-1.25	6	U							
1.00-1.25	7	U							
1.00-1.25	8	U							
Trial pit terminated at 1.25m depth.									

Plan (Not to Scale)		General Remarks			
		<ol style="list-style-type: none">1. Very slight seepage at 1.00m depth.2. Pit side walls stable.3. Undisturbed samples taken for thermal conductivity testing.4. Location: Sandford.			
All dimensions in metres		Scale:		1:25	
Method Used: Hand dug	Plant Used: Hand tools	Logged By: Wallwood	Checked By:		



Contract: Hinkley to Seabank 400kV Connection		Client: Electricity Alliance West		Trial Pit: TH12C
Contract Ref: 727635	Start: 22.4.13 End: 22.4.13	Ground Level (m AOD): 8.69	National Grid Co-ordinate: E:341433.9 N:160449.5	Sheet: 2 of 2

TH12C Overview



Method Used: Hand dug	Plant Used: Hand tools	Logged By: Wallwood	Checked By:
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Contract: Hinkley to Seabank 400kV Connection			Client: Electricity Alliance West			Trial Pit: TH12D	
Contract Ref: 727635		Start: 26.4.13 End: 26.4.13	Ground Level (m AOD): 7.89	National Grid Co-ordinate: E:341219.1 N:159668.2		Sheet: 1 of 3	

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.40		HP	$c_u=100$			Firm brown slightly sandy CLAY with frequent rootlets (<1mm diameter). (TOPSOIL)	7.77	0.12	
						Stiff very closely fissured occasionally extremely closely fissured red brown slightly sandy CLAY. (SUPERFICIAL DEPOSITS)	7.29	0.60	
0.70		HP	$c_u=75$			Firm to stiff extremely closely fissured grey slightly sandy slightly gravelly CLAY. Gravel is rare subrounded fine iron rich sandstone. (ALLUVIUM)	7.09	0.80	
						Trial pit terminated at 0.80m depth.			

Plan (Not to Scale)			General Remarks			
			1. Very slow seepage at 0.80m depth. 2. Pit side walls stable. 3. Location: Sandford.			
			All dimensions in metres		Scale: 1:25	
Method Used: Hand dug	Plant Used: Hand tools		Logged By: Wallwood	Checked By: 		



Contract: Hinkley to Seabank 400kV Connection		Client: Electricity Alliance West		Trial Pit: TH12D
Contract Ref: 727635	Start: 26.4.13 End: 26.4.13	Ground Level (m AOD): 7.89	National Grid Co-ordinate: E:341219.1 N:159668.2	Sheet: 2 of 3

TH12D Overview



TH12D Sidewalls

Method Used: Hand dug	Plant Used: Hand tools	Logged By: Wallwood	Checked By:
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Contract: Hinkley to Seabank 400kV Connection		Client: Electricity Alliance West		Trial Pit: TH12D
Contract Ref: 727635	Start: 26.4.13 End: 26.4.13	Ground Level (m AOD): 7.89	National Grid Co-ordinate: E:341219.1 N:159668.2	Sheet: 3 of 3


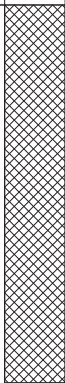










TH12D Spoil



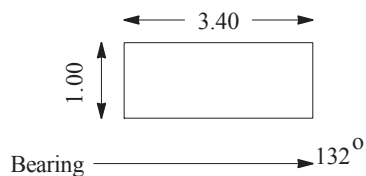
Method Used: Hand dug	Plant Used: Hand tools	Logged By: Wallwood	Checked By:
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Contract: Hinkley to Seabank 400kV Connection			Client: Electricity Alliance West		Trial Pit: TH12D1
Contract Ref: 727635	Start: 25.4.13 End: 25.4.13	Ground Level (m AOD): 7.93	National Grid Co-ordinate: E:341215.6 N:159656.6		Sheet: 1 of 2

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend		
Depth	No	Type	Results								
0.20	1	D	c _u =100			1. Firm to stiff brown slightly sandy slightly gravelly CLAY with frequent rootlets (<2mm diameter). Gravel is subangular fine to medium charcoal.	7.78	0.15			
0.30-0.50	2	B				2. Stiff very closely fissured red brown slightly sandy slightly gravelly CLAY with occasional rootlets (<1mm diameter). Gravel is rare subangular mixed lithologies including sandstone.		(0.40)			
0.40		HP				... from 0.15 to 0.55m depth southern half: made ground contains occasional charcoal and ceramic fragments.	7.38	0.55			
0.60	3	D	c _u =75/50/50			... at 0.40m depth: Red brown ceramic (fired clay) pipe 180mm diameter, 132° orientation.					
0.70-1.00	4	B				3. Firm occasionally firm to stiff extremely closely fissured and very closely fissured grey mottled red brown slightly sandy slightly gravelly CLAY. Gravel is rare subrounded sandstone gravel.		(0.70)			
0.70		HP				... at 1.00m depth occasional subrounded fine to coarse sandstone gravel.					
1.00-1.25	5	D				Trial pit terminated at 1.25m depth.	6.68	1.25			
1.00-1.25	6	U									
1.00-1.25	7	U									
1.00-1.25	8	U									

Plan (Not to Scale)



General Remarks

1. Slow seepage at 1.00m depth.
2. Pit side walls stable.
3. Excavated to locate pumped foul main. Foul main not found but ceramic pipe located at 0.40m depth: 341215.3, 159656.1, 7.809m
4. Location: Sandford.

All dimensions in metres

Scale: **1:25**

Method Used: Hand dug	Plant Used: Hand tools	Logged By: Wallwood	Checked By:
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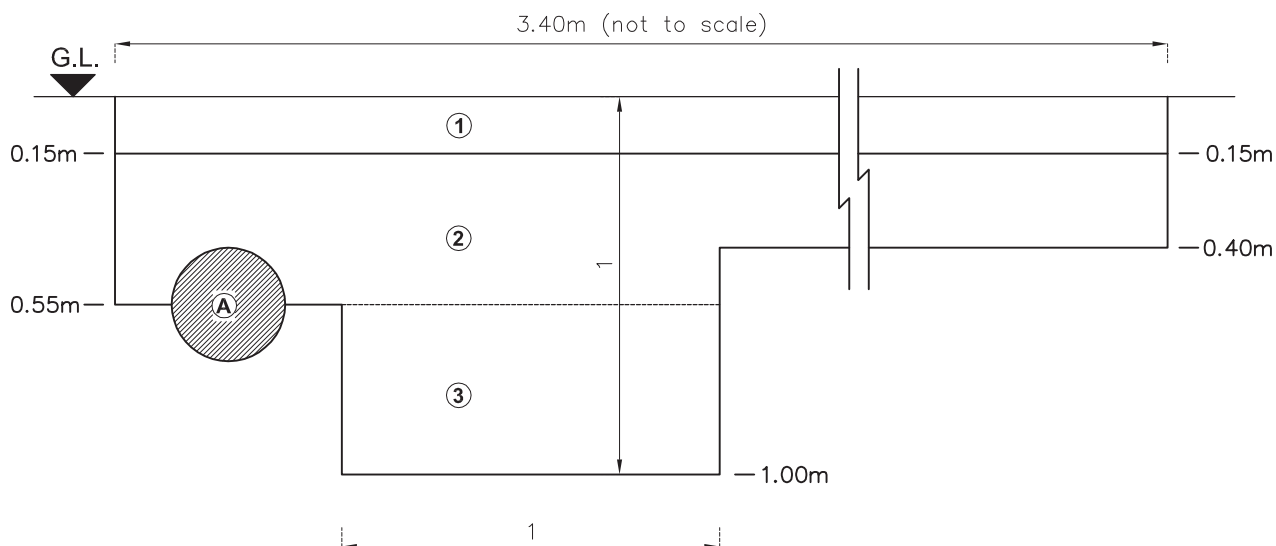
Contract: Hinkley to Seabank 400kV Connection		Client: Electricity Alliance West		Trial Pit: TH12D1
Contract Ref: 727635	Start: 25.4.13 End: 25.4.13	Ground Level (m AOD): 7.93	National Grid Co-ordinate: E:341215.6 N:159656.6	Sheet: 2 of 2

TH12D1 Sidewalls

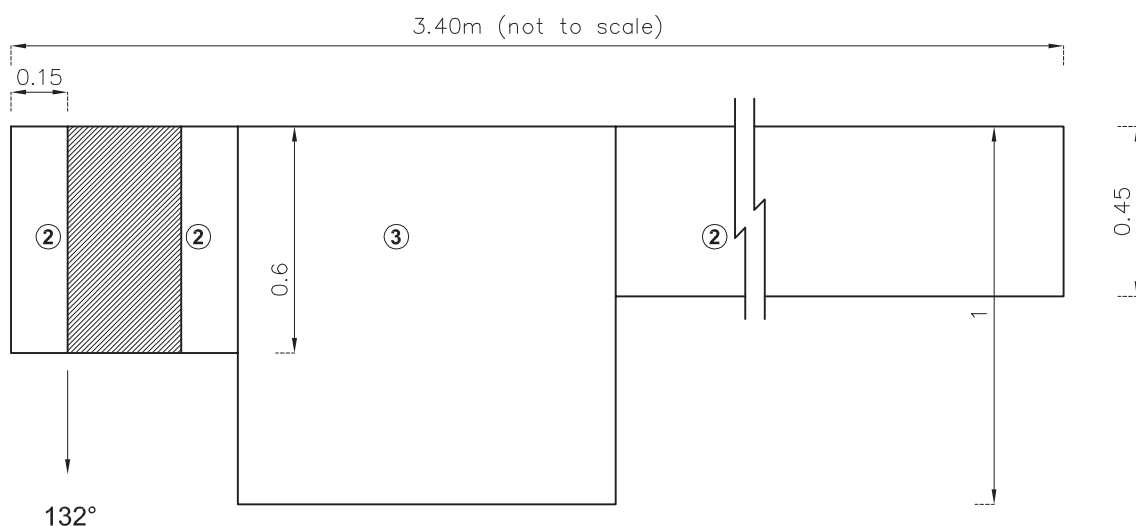


TH12D1 Spoil

Method Used: Hand dug	Plant Used: Hand tools	Logged By: Wallwood	Checked By:
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Northwestern Face



Plan View

Ⓐ Red Brown Ceramic (Fred Day)
0.40m depth. 180mm Ø
132° orientation.

LEGEND

① - ④ Stratum
Ⓐ - Ⓓ Services

NOTE

All dimensions are in meters (unless stated otherwise)

STRUCTURAL SOILS LIMITED



The Old School
Stillhouse Lane
Bedminster
Bristol BS3 4EB

Tel: 0117 947 1000
Fax: 0117 947 1004
ask@soils.co.uk
www.soils.co.uk

CLIENT

EAW

PROJECT

Hinkley to Seabank 400KV Connection

TITLE

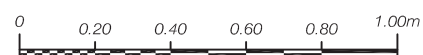
EXPLORATORY HOLE TH12D1 - FIELD SKETCH

00	12.07.2013	-	JAH	WA	-
REV.	DATE	DESCRIPTION	BY	CHD.	APR.

DIMENSION	SCALE	DRAWING STATUS
m	1:20	-

JOB NO.
727635

SCALE BAR



ORIGIN SIZE

A4

FIGURE

TH12D1



Contract: Hinkley to Seabank 400kV Connection			Client: Electricity Alliance West			Trial Pit: TH12D2	
Contract Ref: 727635		Start: 25.4.13 End: 25.4.13	Ground Level (m AOD): 8.09	National Grid Co-ordinate: E:341219.5 N:159662.9		Sheet: 1 of 2	

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
						MADE GROUND: Firm brown slightly sandy CLAY with frequent rootlets (<1mm diameter). Occasional lengths of boiling twine.	7.91	0.18	
						Stiff extremely closely fissured red brown slightly sandy CLAY. Occasional carbonaceous speckles (<3mm diameter). (SUPERFICIAL DEPOSITS)		(0.42)	
							7.49	0.60	
						Firm becoming firm to stiff extremely closely fissured and very closely fissured grey mottled red brown slightly sandy slightly gravelly CLAY. Gravel is rare subrounded fine iron rich sandstone gravel.	7.29	0.80	
						Trial pit terminated at 0.80m depth.			

Plan (Not to Scale)		General Remarks	
		1. Slow seepage at 0.80m depth. 2. Pit side walls stable. 3. Location: Sandford.	
All dimensions in metres		Scale:	1:25
Method Used: Hand dug	Plant Used: Hand tools	Logged By: Wallwood	



Contract: Hinkley to Seabank 400kV Connection		Client: Electricity Alliance West		Trial Pit: TH12D2
Contract Ref: 727635	Start: 25.4.13 End: 25.4.13	Ground Level (m AOD): 8.09	National Grid Co-ordinate: E:341219.5 N:159662.9	Sheet: 2 of 2

TH12D2 Overview



TH12D2 Sidewalls

Method Used: Hand dug	Plant Used: Hand tools	Logged By: Wallwood	
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<div>Plan (Not to Scale)</div> <div><p>1.50</p><p>0.30</p><p>Bearing → 005°</p></div>		General Remarks			
		1. Pit dry. 2. Pit side walls stable. 3. Location: Sandford.			
		All dimensions in metres		Scale:	1:25
Method Used:	Hand dug	Plant Used:	Hand tools	Logged By:	Wallwood

JENT_LIBRARY V8 04 GLBLog TRIAL PIT LOG - STANDARD 727635 HINKLEY TO SEABANK GPI - v8 04 | 17/10/13 - 16:26 | AD.
 Structural Soils Ltd, Head Office - Bristol: The Old School, Stillhouse Lane, Bedminster, Bristol, BS3 4EB. Tel: 0117-947-1000, Fax: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk.



Contract: Hinkley to Seabank 400kV Connection		Client: Electricity Alliance West		Trial Pit: TH12D3
Contract Ref: 727635	Start: 26.4.13 End: 26.4.13	Ground Level (m AOD): 9.39	National Grid Co-ordinate: E:341302.6 N:159687.9	Sheet: 2 of 2

TH12D3 Sidewalls

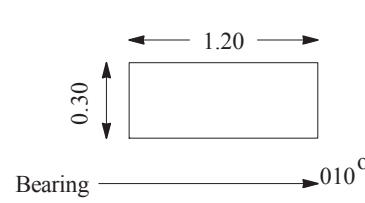


Method Used: Hand dug	Plant Used: Hand tools	Logged By: Wallwood	
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Contract: Hinkley to Seabank 400kV Connection			Client: Electricity Alliance West			Trial Pit: TH12D3A	
Contract Ref: 727635		Start: 26.4.13 End: 26.4.13	Ground Level (m AOD): 9.43	National Grid Co-ordinate: E:341303.0 N:159689.7		Sheet: 1 of 2	

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
						Firm brown slightly sandy CLAY with frequent rootlets (<1mm diameter).	9.33	0.10	
						Stiff red brown slightly sandy CLAY with occasional carbonaceous inclusions (<3mm diameter).		(0.65)	
							8.68	0.75	
						Trial pit terminated at 0.75m depth.			

Plan (Not to Scale) 		General Remarks 1. Pit dry. 2. Pit side walls stable. 3. Location: Sandford.	
		All dimensions in metres	Scale: 1:25
Method Used: Hand dug	Plant Used: Hand tools	Logged By: Wallwood	



Contract: Hinkley to Seabank 400kV Connection		Client: Electricity Alliance West		Trial Pit: TH12D3A
Contract Ref: 727635	Start: 26.4.13 End: 26.4.13	Ground Level (m AOD): 9.43	National Grid Co-ordinate: E:341303.0 N:159689.7	Sheet: 2 of 2

TH12D3A Overview



Method Used: Hand dug	Plant Used: Hand tools	Logged By: Wallwood	
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Contract: Hinkley to Seabank 400kV Connection			Client: Electricity Alliance West			Trial Pit: TH12D3B	
Contract Ref: 727635		Start: 26.4.13 End: 26.4.13	Ground Level (m AOD): 9.32	National Grid Co-ordinate: E:341302.3 N:159686.4		Sheet: 1 of 2	

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
						Firm brown slightly sandy CLAY with frequent rootlets (<1mm diameter).	9.22	0.10	
						Stiff red brown slightly sandy CLAY with occasional carbonaceous inclusions (<3mm diameter).		(0.90)	
							8.32	1.00	
						Soft mottled grey and red brown slightly sandy locally sandy slightly gravelly CLAY. Gravel is subangular to subrounded fine to medium sandstone.	8.12	1.20	
						Trial pit terminated at 1.20m depth.			

Plan (Not to Scale)			General Remarks	
			1. Very slow seepage at 1.00m depth and standing at 1.00m depth on completion. 2. Pit side walls stable. 3. Location: Sandford.	
All dimensions in metres			Scale:	1:25
Method Used: Hand dug	Plant Used: Hand tools		Logged By: Wallwood	



Contract: Hinkley to Seabank 400kV Connection		Client: Electricity Alliance West		Trial Pit: TH12D3B
Contract Ref: 727635	Start: 26.4.13 End: 26.4.13	Ground Level (m AOD): 9.32	National Grid Co-ordinate: E:341302.3 N:159686.4	Sheet: 2 of 2

TH12D3B Overview



Method Used: Hand dug	Plant Used: Hand tools	Logged By: Wallwood	
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Contract: Hinkley to Seabank 400kV Connection			Client: Electricity Alliance West		Trial Pit: TH12D3C
Contract Ref: 727635	Start: 26.4.13	Ground Level (m AOD): 9.27	National Grid Co-ordinate: E:341302.4 N:159685.1		Sheet: 1 of 2

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
						Firm brown slightly sandy CLAY with frequent rootlets (<1mm diameter).	9.17	0.10	
						Stiff occasional very closely fissured red brown slightly sandy CLAY with occasional carbonaceous inclusions (<4mm diameter).		(0.90)	
							8.27	1.00	
						Soft mottled grey and red brown slightly sandy locally sandy slightly gravelly CLAY. Gravel is subangular to subrounded fine to medium sandstone.		(0.50)	
							7.77	1.50	
						Trial pit terminated at 1.50m depth.			

Plan (Not to Scale)		General Remarks	
		1. Slow seepage at 1.00m depth and standing at 1.00m depth on completion. 2. Pit side walls stable. 3. Location: Sandford.	
All dimensions in metres		Scale:	1:25
Method Used: Hand dug	Plant Used: Hand tools	Logged By: Wallwood	



Contract: Hinkley to Seabank 400kV Connection		Client: Electricity Alliance West		Trial Pit: TH12D3C
Contract Ref: 727635	Start: 26.4.13 End: 26.4.13	Ground Level (m AOD): 9.27	National Grid Co-ordinate: E:341302.4 N:159685.1	Sheet: 2 of 2

TH12D3C Sidewalls



Method Used: Hand dug	Plant Used: Hand tools	Logged By: Wallwood	
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Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
						Firm brown slightly sandy CLAY with frequent rootlets (<1mm diameter). Stiff red brown slightly sandy CLAY with occasional carbonaceous inclusions (<3mm diameter).	8.77	0.10	
							8.07	0.80	
						Trial pit terminated at 0.80m depth.			

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Contract: Hinkley to Seabank 400kV Connection		Client: Electricity Alliance West		Trial Pit: TH12D3D
Contract Ref: 727635	Start: 26.4.13 End: 26.4.13	Ground Level (m AOD): 8.87	National Grid Co-ordinate: E:341304.7 N:159684.1	Sheet: 2 of 2

TH12D3D Sidewalls






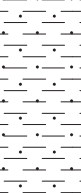



Method Used: Hand dug	Plant Used: Hand tools	Logged By: Wallwood	
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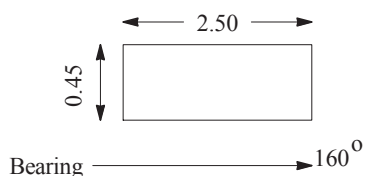
STRUCTURAL SOILS

TRIAL PIT LOG

Contract: Hinkley to Seabank 400kV Connection			Client: Electricity Alliance West		Trial Pit: TH12DD
Contract Ref: 727635	Start: 13.5.13 End: 13.5.13	Ground Level (m AOD): 9.29	National Grid Co-ordinate: E:341294.8 N:159681.1		Sheet: 1 of 2

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.50		HP	$c_u=100/100/125$			Firm to stiff and stiff brown slightly sandy CLAY with frequent rootlets (less than 1mm diameter). Stiff occasionally extremely closely and very closely fissured light brown occasionally light red brown slightly sandy CLAY. (SUPERFICIAL DEPOSITS)	9.14	0.15	
								(0.75)	
1.00		HP	$c_u=150/150/100$			Stiff locally stiff to very stiff extremely closely fissured red brown slightly sandy CLAY. (SUPERFICIAL DEPOSITS)	8.39	0.90	
								(0.60)	
							7.79	1.50	
						Trial pit terminated at 1.50m depth.			

Plan (Not to Scale)



General Remarks

1. Trial pit sidewalls stable.
2. Very slow seepage at 0.90m depth.
3. Trial pit undertaken to find pumped main: not found.
4. Location: Sandford.

All dimensions in metres

Scale: **1:25**

Method Used:

Hand dug

Plant Used:

Hand tools

Logged By:

Wallwood



Contract: Hinkley to Seabank 400kV Connection		Client: Electricity Alliance West		Trial Pit: TH12DD
Contract Ref: 727635	Start: 13.5.13 End: 13.5.13	Ground Level (m AOD): 9.29	National Grid Co-ordinate: E:341294.8 N:159681.1	Sheet: 2 of 2

TH12DD Overview



TH12DD Sidewalls

Method Used: Hand dug	Plant Used: Hand tools	Logged By: Wallwood	
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Contract: Hinkley to Seabank 400kV Connection			Client: Electricity Alliance West		Trial Pit: CPTC2A
Contract Ref: 727635	Start: 21.5.13 End: 21.5.13	Ground Level (m AOD): 6.09	National Grid Co-ordinate: E:337815.7 N:154851.2		Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
1.00	1	B				Grass overlaying light brown SAND with rootlets.	5.79	(0.30)	
						Firm to stiff brownish grey CLAY.		(0.90)	
						Trial pit terminated at 1.20m depth.	4.89	1.20	

Plan (Not to Scale) 		General Remarks	
		1. Location CAT scanned prior to excavation. 2. Trial pit stable and dry. 3. Trial pit backfilled on completion. 4. Location: Biddisham (River Axe).	
Method Used: Hand dug		Plant Used: Hand tools	Logged By: WDixon



Contract: Hinkley to Seabank 400kV Connection			Client: Electricity Alliance West			Trial Pit: CPTC2B	
Contract Ref: 727635		Start: 21.5.13 End: 21.5.13	Ground Level (m AOD): 6.46	National Grid Co-ordinate: E:337861.2 N:154840.7		Sheet: 1 of 1	

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
1.00	1	B				Grass overlaying light brown SAND.	6.16	(0.30)	
						Firm light brown sandy CLAY.		0.30	
								(0.90)	
						Trial pit terminated at 1.20m depth.	5.26	1.20	




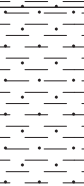
Plan (Not to Scale)		General Remarks	
		1. Location CAT scanned prior to excavation. 2. Trial pit stable and dry. 3. Trial pit backfilled on completion. 4. Location: Biddisham (River Axe).	
Method Used: Hand dug		Plant Used: Hand tools	Logged By: WDixon



<div>Plan (Not to Scale)</div>		<div>General Remarks</div> <ol style="list-style-type: none"> 1. Location CAT scanned prior to excavation. 2. Trial pit stable, water strike at 0.80m depth. 3. Hole terminated at 1.00m depth due to water strike. Water muddy, unable to see potential pipes or underground service. 4. Trial pit backfilled on completion. 5. Location: Webbington (River Axe). 	
		<div>All dimensions in metres</div>	
		<div>Scale:</div>	<div>1:25</div>
<div>Method Used:</div> <div>Hand dug</div>	<div>Plant Used:</div> <div>Hand tools</div>	<div>Logged By:</div> <div>WDixon</div>	





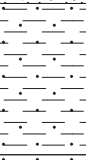
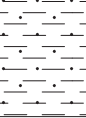

Contract: Hinkley to Seabank 400kV Connection			Client: Electricity Alliance West		Trial Pit: CPTC2D
Contract Ref: 727635	Start: 21.5.13 End: 21.5.13	Ground Level (m AOD): 6.14	National Grid Co-ordinate: E:337910.9 N:154955.4		Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thick- ness)	Material Graphic Legend
Depth	No	Type	Results						
1.00	1	B				Dark brown SAND.	5.84	(0.30)	
						Firm light brown slightly sandy CLAY.	5.54	(0.30)	
						Firm to stiff brownish grey sandy CLAY.		(0.60)	
							4.94	1.20	
Trial pit terminated at 1.20m depth.									

Plan (Not to Scale) 		General Remarks	
		1. Location CAT scanned prior to excavation. 2. Trial pit stable and dry. 3. Trial pit backfilled on completion. 4. Location: Webbington (River Axe).	
All dimensions in metres		Scale:	1:25
Method Used: Hand dug	Plant Used: Hand tools	Logged By: WDixon	



Contract: Hinkley to Seabank 400kV Connection			Client: Electricity Alliance West		Trial Pit: CPTC-LD1
Contract Ref: 727635	Start: 23.7.13 End: 24.7.13	Ground Level (m AOD): 5.87	National Grid Co-ordinate: E:333979.4 N:143053.6		Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.50	1 2	HP	$c_u \Rightarrow 225$			Very stiff very closely fissured (dessicated) friable brown slightly sandy CLAY with frequent rootlets (less than 1mm diameter).	5.57	(0.30)	
						Very stiff extremely closely fissured to very closely fissured grey brown slightly sandy CLAY. (ALLUVIUM)	5.07	(0.50)	
0.90		HP	$c_u = 100/125/100$		Stiff extremely closely fissured grey mottled orange brown slightly sandy CLAY with occasional light grey silt lenses (less than 1mm thick by 55mm diameter).		(0.40)		
1.00-1.20		U	$c_u = 50$		. . . locally firm below 1.10m depth.	4.67	1.20		
1.00-1.20		B							
1.10	HP		Trial pit terminated at 1.20m depth.						

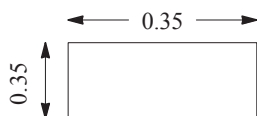
Plan (Not to Scale) 		General Remarks	
		1. Location CAT scanned prior to excavation. 2. Trial pit stable and dry. 3. Trial pit backfilled on completion. 4. Location: Woolavington.	
All dimensions in metres		Scale:	1:25
Method Used: Hand dug	Plant Used: Hand tools	Logged By: Wallwood	



Contract: Hinkley to Seabank 400kV Connection			Client: Electricity Alliance West		Trial Pit: CPTC-LD6
Contract Ref: 727635	Start: 23.7.13 End: 24.7.13	Ground Level (m AOD): 5.24	National Grid Co-ordinate: E:335321.9 N:144252.6		Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.50 0.50	1	B HP	$c_u \Rightarrow 225$			Very stiff very closely fissured (dessicated) brown slightly sandy CLAY with frequent rootlets (less than 1mm diameter). . . . between ground level and 0.30m depth subvertical very closely spaced dessication cracks. Wide aperture (less than 10mm). Very stiff extremely closely fissured and very closely fissured mottled grey brown grey and orange brown slightly sandy CLAY with occasional light grey silt lenses (less than 1mm thick by 50mm diameter). (ALLUVIUM)	5.09	0.15	
0.90		HP	$c_u = 75/50/75$				4.39	0.85	
1.00-1.20	2	B				Firm to stiff extremely closely fissured grey mottled orange brown slightly sandy CLAY with occasional light grey silt lenses (less than 1mm thick by 25mm diameter). (ALLUVIUM)		(0.70)	
1.00-1.20	3	U					4.04	1.20	
Trial pit terminated at 1.20m depth.									

Plan (Not to Scale)



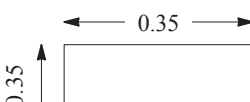
General Remarks

1. Location CAT scanned prior to excavation.
2. Trial pit stable.
3. Moist below 1.10m depth.
4. Trial pit backfilled on completion.
5. Location: East Huntspill.

All dimensions in metres

Scale: **1:25**Method
Used:**Hand dug**Plant
Used:**Hand tools**Logged
By:**Wallwood**



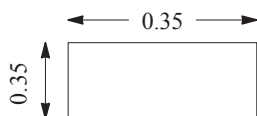
<div>Plan (Not to Scale)</div> <div></div>		General Remarks				
		1. Location CAT scanned prior to excavation. 2. Trial pit stable and dry. 3. Trial pit backfilled on completion. 4. Location: East Huntspill.				
		All dimensions in metres		Scale: 1:25		
Method Used:	Hand dug	Plant Used:	Hand tools	Logged By:	Wallwood	



Contract: Hinkley to Seabank 400kV Connection			Client: Electricity Alliance West		Trial Pit: CPTC-LD14
Contract Ref: 727635	Start: 23.7.13 End: 23.7.13	Ground Level (m AOD): 4.35	National Grid Co-ordinate: E:336393.7 N:146929.3		Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.50 0.50	1	B HP	$c_u > 225$			Stiff to very stiff very closely fissured friable brown slightly sandy CLAY with frequent rootlets (less than 1mm diameter)	4.15	0.20	
0.85-1.20	2	B				Very stiff extremely closely fissured and very closely fissured grey mottled orange brown slightly sandy CLAY with occasional light grey silt lenses (less than 1mm thick by 35mm diameter).	3.50	0.85	
1.00-1.20 1.00	3	U HP	$c_u > 225$			Stiff to very stiff extremely closely fissured and very closely fissured grey mottled orange brown slightly sandy CLAY with occasional light grey silt lenses (less than 1mm thick by 35mm diameter).	3.15	1.20	
1.20		HP	$c_u = 125$			... below 1.20m depth becoming stiff. Trial pit terminated at 1.20m depth.			

Plan (Not to Scale)



General Remarks

1. Location CAT scanned prior to excavation.
2. Trial pit stable and dry.
3. Trial pit backfilled on completion.
4. Location: Mark.

All dimensions in metres

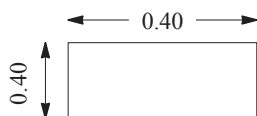
Scale: **1:25**Method
Used:**Hand dug**Plant
Used:**Hand tools**Logged
By:**Wallwood**



Contract: Hinkley to Seabank 400kV Connection			Client: Electricity Alliance West		Trial Pit: CPTC-LD16
Contract Ref: 727635	Start: 23.7.13 End: 23.7.13	Ground Level (m AOD): 5.17	National Grid Co-ordinate: E:336657.8 N:147188.1		Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
						Grass over very stiff very closely fissured (dessicated) friable brown slightly sandy CLAY with frequent rootlets (less than 1mm diameter).	4.87	(0.30)	
0.60		HP	$c_u=175$			Very stiff extremely to very closely fissured mottled grey and grey brown slightly sandy CLAY with occasional light grey silt lenses (less than 1mm thick and 50mm diameter). (ALLUVIUM)	4.27	(0.60)	
0.90-1.20	1	B						0.90	
1.00-1.20	2	U						(0.30)	
1.00		HP	$c_u=100$			Stiff extremely closely fissured grey slightly sandy CLAY with occasional light grey silt lenses (less than 1mm thick by 35mm diameter).	3.97	1.20	
Trial pit terminated at 1.20m depth.									

Plan (Not to Scale)



General Remarks

1. Location CAT scanned prior to excavation.
2. Trial pit stable and dry.
3. Trial pit backfilled on completion.
4. Location: East Huntspill.

All dimensions in metres

Scale: **1:25**

Method Used:

Hand dug

Plant Used:

Hand tools

Logged By:

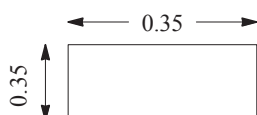
Wallwood



Contract: Hinkley to Seabank 400kV Connection		Client: Electricity Alliance West		Trial Pit: CPTC-LD20	
Contract Ref: 727635	Start: 23.7.13 End: 23.7.13	Ground Level (m AOD): 5.18	National Grid Co-ordinate: E:336592.4 N:148397.9	Sheet: 1 of 1	

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.50		HP	$c_u \Rightarrow 225$			Grass over very stiff very closely fissured friable brown slightly sandy slightly gravelly CLAY with frequent rootlets (less than 1mm diameter). Gravel is subrounded fine to coarse mixed lithologies. ... between ground level and 0.40m depth subvertical very closely to closely spaced dessication cracks (less than 25mm wide).	5.08	0.10	
0.80-1.20	1	B				Very stiff extremely closely fissured mottled grey and grey brown occasionally orange brown slightly sandy CLAY with occasional lenses of light grey silt (less than 1mm thick by 25mm diameter).	4.38	0.80	
0.90		HP	$c_u = 200 / > 225 / > 225$			Stiff to very stiff and very stiff extremely closely fissured grey mottled orange brown slightly sandy CLAY with occasional lenses of light grey silt (less than 1mm thick by 25mm diameter). ... below 1.00m depth firm to stiff.		(0.40)	
1.00-1.20	2	U					3.98	1.20	
1.20		HP	$c_u = 75$			Trial pit terminated at 1.20m depth.			

Plan (Not to Scale)



General Remarks

1. Location CAT scanned prior to excavation.
2. Trial pit stable and dry.
3. Trial pit backfilled on completion.
4. Location: East Huntspill.

All dimensions in metres

Scale: **1:25**

Method Used:

Hand dug

Plant Used:

Hand tools

Logged By:

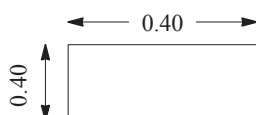
Wallwood



Contract: Hinkley to Seabank 400kV Connection		Client: Electricity Alliance West		Trial Pit: CPTC-LD23
Contract Ref: 727635	Start: 23.7.13 End: 23.7.13	Ground Level (m AOD): 5.22	National Grid Co-ordinate: E:337125.0 N:149239.8	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.50 0.50	1	B HP	$c_u \Rightarrow 225$			Grass over very stiff very closely fissured friable brown slightly sandy CLAY with frequent rootlets (less than 1mm diameter). ... between ground level and 0.35m depth subvertical closely spaced dessication cracks (less than 20mm wide). Very stiff extremely closely fissured to very closely fissured grey brown and grey slightly sandy CLAY.	4.97	0.25	
0.80-1.20 0.90	2	B HP	$c_u = 100/125/175$			Stiff locally stiff to very stiff (dessicated) extremely closely fissured mottled grey and grey brown occasionally orange brown slightly sandy CLAY with occasional lenses of light grey silt (less than 1mm thick by 55mm diameter).	4.52	0.70	
1.00-1.20	3	U				... below 1.00m depth becoming firm with occasional light grey slightly sandy silt lenses (less than 1mm thick by 70mm diameter).	4.02	1.20	
						Trial pit terminated at 1.20m depth.			

Plan (Not to Scale)



General Remarks

1. Location CAT scanned prior to excavation.
2. Trial pit stable and dry.
3. Trial pit backfilled on completion.
4. Location: East Huntspill.

All dimensions in metres

Scale:

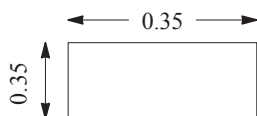
1:25Method
Used:**Hand dug**Plant
Used:**Hand tools**Logged
By:**Wallwood**



Contract: Hinkley to Seabank 400kV Connection		Client: Electricity Alliance West		Trial Pit: CPTC-LD31	
Contract Ref: 727635	Start: 23.7.13 End: 23.7.13	Ground Level (m AOD): 5.81	National Grid Co-ordinate: E:337403.2 N:152264.7	Sheet: 1 of 1	

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.50		HP	$c_u \Rightarrow 225$			MADE GROUND: Very stiff very closely fissured (dessicated) brown slightly sandy slightly gravelly CLAY with frequent rootlets (less than 1mm diameter). Gravel is angular to rounded fine to coarse mixed lithologies including brick and ceramics. ... between ground level and 0.65m subvertical closely spaced dessication cracks. Moderately wide to wide (less than 10mm). Very stiff extremely closely fissured grey brown occasionally mottled orange brown slightly sandy CLAY with occasional calcareous nodules (less than 6mm diameter).	5.41	0.40	
0.80-1.20	1	B						(0.40)	
1.00-1.20	2	U HP	$c_u \Rightarrow 225$					(0.80)	
1.00							4.61	1.20	
Trial pit terminated at 1.20m depth.									

Plan (Not to Scale)



General Remarks

1. Location CAT scanned prior to excavation.
2. Trial pit stable and dry.
3. Trial pit backfilled on completion.
4. Location: Rooks Bridge.

All dimensions in metres

Scale: **1:25**

Method Used:

Hand dug

Plant Used:








Hand tools

Logged By:

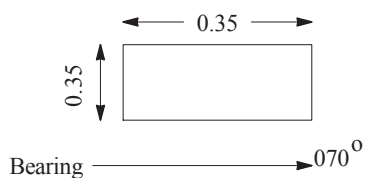
Wallwood



Contract: Hinkley to Seabank 400kV Connection		Client: Electricity Alliance West		Trial Pit: CPTC-LD39
Contract Ref: 727635	Start: 10.6.13 End: 10.6.13	Ground Level (m AOD): 6.62	National Grid Co-ordinate: E:341566.7 N:160612.6	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.50	1	B				Grass over firm to stiff brown slightly sandy CLAY with frequent rootlets (less than 1mm diameter).	6.52	0.10	
						Stiff very closely fissured grey mottled orange brown slightly sandy slightly gravelly CLAY. Gravel is subangular to subrounded fine to coarse of mixed lithologies including quartz. (SUPERFICIAL DEPOSITS)	6.32	0.30	
						Stiff extremely closely fissured red brown slightly sandy slightly gravelly CLAY. gravel is subangular and subrounded fine sandstone. (SUPERFICIAL DEPOSITS)	6.07	0.55	
1.00-1.20	2	B				Firm brown locally grey sandy slightly gravelly CLAY. Gravel is subangular to subrounded fine to coarse mixed lithologies including sandstone and quartz. (SUPERFICIAL DEPOSITS)	5.82	0.80	
						Brown to grey brown clayey gravelly fine to medium SAND locally soft sandy slightly gravelly CLAY with occasional subrounded sandstone cobbles (less than 180mm diameter). Gravel is rounded to subangular fine to coarse sandstone and quartz. (SUPERFICIAL DEPOSITS) Trial pit terminated at 1.20m depth.	5.42	1.20	

Plan (Not to Scale)



General Remarks

1. Location CAT scanned prior to excavation.
2. Sidewalls unstable below 0.80m depth.
3. Slow seepage at 0.80m depth.
4. Trial pit backfilled on completion.
5. Location: Sandford (North Mendips Sealing End).

All dimensions in metres

Scale: **1:25**

Method Used:

Hand dug

Plant Used:

Hand tools

Logged By:

Wallwood






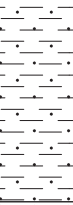

Contract: Hinkley to Seabank 400kV Connection			Client: Electricity Alliance West			Trial Pit: CPTC-LD44		
Contract Ref: 727635		Start: 11.6.13 End: 11.6.13	Ground Level (m AOD): 4.69		National Grid Co-ordinate: E:341710.5 N:162353.6		Sheet: 1 of 1	

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.50 0.50	1	B HP	$c_u=125/75/75$			MADE GROUND: Grass over stiff brown slightly sandy slightly gravelly CLAY. Gravel is subangular to subrounded fine to coarse brick. Firm to stiff and stiff extremely closely fissured grey mottled orange brown slightly sandy CLAY. (ALLUVIUM)	4.54	0.15	
0.90 1.00-1.20	3	HP B	$c_u=50$			Firm and stiff extremely closely fissured grey mottled orange brown slightly sandy CLAY. (ALLUVIUM)	3.89	0.80	
1.20-1.40	2	U							
						Trial pit terminated at 1.40m depth.	3.29	1.40	

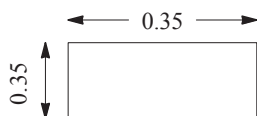
Plan (Not to Scale)			General Remarks		
			<ol style="list-style-type: none">1. Location CAT scanned prior to excavation.2. Trial pit stable.3. Slight seepage at 1.00m depth.4. Trial pit backfilled on completion.5. Location: Nye / Puxton.		
All dimensions in metres			Scale: 1:25		
Method Used: Hand dug	Plant Used: Hand tools		Logged By: Wallwood		



Contract: Hinkley to Seabank 400kV Connection			Client: Electricity Alliance West		Trial Pit: CPTC-LD51
Contract Ref: 727635	Start: 11.6.13 End: 11.6.13	Ground Level (m AOD): 5.11	National Grid Co-ordinate: E:341540.6 N:164578.1		Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.50 0.50	1	B HP	$c_u=150/150/125$			MADE GROUND: Stiff brown slightly sandy slightly gravelly CLAY. gravel is subrounded mixed lithologies including limestone. Stiff to very stiff extremely closely fissured (desiccated) grey brown mottled orange brown slightly sandy CLAY.	4.96	0.15	
0.90 1.00	2	HP B	$c_u=50/75/75$			Firm to stiff grey mottled orange brown slightly sandy CLAY. . . . from 0.85m to 1.00m depth occasional rounded calcareous nodules (less than 15mm diameter).	4.26	0.85	
1.20-1.40	3	U							
Trial pit terminated at 1.40m depth.							3.71	1.40	

Plan (Not to Scale)



General Remarks

1. Location CAT scanned prior to excavation.
2. Trial pit stable.
3. Slight seepage at 0.95m depth.
4. Trial pit backfilled on completion.
5. Location: Yatton.

All dimensions in metres

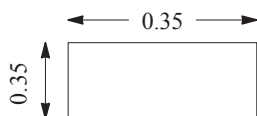
Scale: **1:25**Method
Used:**Hand dug**Plant
Used:**Hand tools**Logged
By:**Wallwood**



Contract: Hinkley to Seabank 400kV Connection			Client: Electricity Alliance West		Trial Pit: CPTC-LD59
Contract Ref: 727635	Start: 11.6.13	Ground Level (m AOD): 5.47	National Grid Co-ordinate: E:340867.2 N:167069.8		Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.50 0.50	1	B HP	$c_u=125/125/75$			Maize crop over stiff brown slightly sandy slightly gravelly CLAY. gravel is subangular to rounded mixed lithologies (TOPSOIL). Stiff extremely closely fissured mottled grey to grey brown and occasional orange brown slightly sandy CLAY.	5.27	0.20	
								(0.60)	
0.90		HP	$c_u=75$			Firm to stiff extremely closely fissured grey occasionally mottled orange brown slightly sandy CLAY.	4.67	0.80	
								(0.40)	
1.20 1.20	2 3	B U				trial pit terminated at 1.20m depth.	4.27	1.20	

Plan (Not to Scale)



General Remarks

1. Location CAT scanned prior to excavation.
2. Trial pit stable.
3. Moist below 1.00m depth.
4. Trial pit backfilled on completion.
5. Location: Yatton.

All dimensions in metres







Scale: **1:25**Method
Used:**Hand dug**Plant
Used:**Hand tools**Logged
By:**Wallwood**



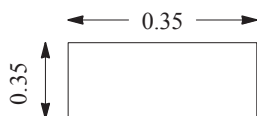
STRUCTURAL SOILS

TRIAL PIT LOG

Contract: Hinkley to Seabank 400kV Connection		Client: Electricity Alliance West		Trial Pit: CPTC-LD61	
Contract Ref: 727635	Start: 11.6.13 End: 11.6.13	Ground Level (m AOD): 5.76	National Grid Co-ordinate: E:341321.0 N:167486.6	Sheet: 1 of 1	

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.50 0.50	1	B HP	$c_u=100$			MADE GROUND: Grass over stiff extremely closely fissured brown slightly sandy CLAY with frequent rootlets. Stiff extremely closely fissured mottled grey to grey brown and orange brown slightly sandy CLAY.	5.66	0.10	
								(0.80)	
1.00-1.20 1.00	2	B HP	$c_u=75$			Firm to stiff closely fissured mottled grey to grey brown and orange brown slightly sandy CLAY with occasional calcareous rounded nodules (less than 10mm diameter).	4.86	0.90	
1.20-1.40 1.20	3	U						(0.50)	
						Trial pit terminated at 1.40m depth.	4.36	1.40	

Plan (Not to Scale)



General Remarks

1. Location CAT scanned prior to excavation.
2. Trial pit stable
3. Slight seepage below 0.90m depth.
4. Trial pit backfilled on completion.
5. Location: Kenn Moor.

All dimensions in metres

Scale: **1:25**

Method Used:

Hand dug

Plant Used:

Hand tools

Logged By:

Wallwood






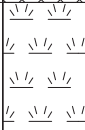



Contract: Hinkley to Seabank 400kV Connection			Client: Electricity Alliance West		Trial Pit: CPTC-LD67
Contract Ref: 727635	Start: 11.6.13 End: 11.6.13	Ground Level (m AOD): 4.36	National Grid Co-ordinate: E:342993.9 N:168746.0		Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.40		HP	$c_u=75$			Grass over firm to stiff brown slightly sandy CLAY with frequent rootlets (less than 1mm diameter).	4.11	0.25	
						Firm to stiff extremely closely fissured grey brown mottled orange brown slightly sandy CLAY. (ALLUVIUM)	3.86	0.50	
0.80-1.00	1	B				Soft to firm dark brown clayey pseudofibrous PEAT. Strong hydrocarbon odour.		(0.45)	
1.00-1.20	2	B HP	$c_u=25/40/25$			Soft and soft to firm light grey CLAY with frequent inclusions of decomposed organic plant matter (less than 10mm x 20mm diameter). (ALLUVIUM)	3.41	0.95	
1.00						Trial pit terminated at 1.20m depth.	3.16	1.20	

Plan (Not to Scale)		General Remarks	
		1. Location CAT scanned prior to excavation. 2. Trial pit stable. 3. Slow seepage at 0.70m depth. 4. Trial pit backfilled on completion. 5. Location: Kenn Moor.	
All dimensions in metres		Scale:	1:25
Method Used: Hand dug	Plant Used: Hand tools	Logged By: Wallwood	



Contract: Hinkley to Seabank 400kV Connection			Client: Electricity Alliance West			Trial Pit: CPTC-LD73		
Contract Ref: 727635		Start: 12.6.13 End: 12.6.13	Ground Level (m AOD): 4.21		National Grid Co-ordinate: E:344854.7 N:170075.0		Sheet: 1 of 1	

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.50	1	B	c _u =25			MADE GROUND: Grass over firm dark brown slightly sandy slightly gravelly clayey PEAT. Gravel is angular fine to coarse brick.	4.01	0.20	
						Firm locally spongy pseudofibrous locally amorphous PEAT.		(0.50)	
0.80	HP					3.51	0.70		
1.00-1.20	2	B				Soft light grey CLAY with frequent inclusions of decomposed organic plant matter (less than 30mm diameter).		(0.50)	
							3.01	1.20	
Trial pit terminated at 1.20m depth.									

Plan (Not to Scale)			General Remarks		
			<ol style="list-style-type: none">1. Location CAT scanned prior to excavation.2. Trial pit stable.3. Very slight seepage at 0.70m depth.4. Trial pit backfilled on completion.5. Location: Nailsea.		
All dimensions in metres			Scale: 1:25		
Method Used: Hand dug	Plant Used: Hand tools		Logged By: Wallwood		



Contract: Hinkley to Seabank 400kV Connection			Client: Electricity Alliance West		Trial Pit: CPTC-LD77
Contract Ref: 727635	Start: 12.6.13 End: 12.6.13	Ground Level (m AOD): 4.75	National Grid Co-ordinate: E:346047.5 N:171218.3		Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
1.00-1.20	1	B				Grass over firm dark brown slightly sandy CLAY (TOPSOIL).	4.60	0.15	
						Firm locally spongy dark brown amorphous locally pseudofibrous PEAT. Organic remarks include bark and twigs.		(0.55)	
							4.05	0.70	
						Light grey mottled light yellow brown clayey SAND.	3.85	0.90	
						Firm light grey slightly sandy CLAY.		(0.30)	
							3.55	1.20	
Trial pit terminated at 1.20m depth.									

Plan (Not to Scale)		General Remarks	
		<ul style="list-style-type: none">1. Location CAT scanned prior to excavation.2. Trial pit stable.3. Slight seepage at 1.20m depth.4. Trial pit backfilled on completion.5. Location: Nailsea.	
All dimensions in metres		Scale:	1:25
Method Used: Hand dug	Plant Used: Hand tools	Logged By: Wallwood	



<div>Plan (Not to Scale)</div>		<div>General Remarks</div> <ol style="list-style-type: none"> 1. Location CAT scanned prior to excavation. 2. Trial pit stable and dry. 3. Original CPTC-LD77 position move due to land drain. 4. Trial pit backfilled on completion. 5. Location: Nailsea. 	
		<div>All dimensions in metres</div>	<div>Scale: 1:25</div>
<div>Method Used:</div> <div>Hand dug</div>	<div>Plant Used:</div> <div>Hand tools</div>	<div>Logged By:</div> <div>Wallwood</div>	

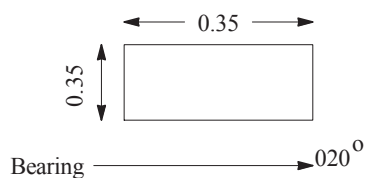
JNT_LIBRARY V8 04 GLBLog TRIAL.PIT LOG - STANDARD 727635 HINKLEY TO SEABANKGP1 - v8_04/17/10/13 - 15:05 AD
Structural Soils Ltd, Head Office - Bristol: The Old School, Stillhouse Lane, Bedminster, Bristol, BS3 4EB. Tel: 0117-947-1000, Fax: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk.



Contract: Hinkley to Seabank 400kV Connection			Client: Electricity Alliance West		Trial Pit: CPTC-LD80
Contract Ref: 727635	Start: 12.6.13 End: 12.6.13	Ground Level (m AOD): 22.01	National Grid Co-ordinate: E:346391.8 N:171927.1		Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.50	1	B				MADE GROUND: Grass over brown sandy slightly gravelly SILT. Occasional angular coarse cobbles (less than 120mm diameter). Gravel is angular to rounded fine to coarse mixed lithologies of concrete and brick and bailing string.	21.71	(0.30)	
						Red brown clayey fine SAND. (SUPERFICIAL DEPOSITS)	21.31	(0.40)	
1.00-1.20	2	B				Stiff red brown slightly sandy slightly gravelly CLAY. Gravel is subrounded fine to coarse sandstone.		(0.70)	
1.20	3	U					20.61	1.40	
Trial pit terminated at 1.40m depth.									

Plan (Not to Scale)



General Remarks

1. Location CAT scanned prior to excavation.
2. Trial pit dry.
3. Ground level to 0.30m sides unstable, below 0.30m depth stable.
4. Trial pit backfilled on completion.
5. Location: Nailsea.

All dimensions in metres

Scale: **1:25**

Method Used:

Hand dug

Plant Used:

Hand tools

Logged By:

Wallwood



Contract: Hinkley to Seabank 400kV Connection			Client: Electricity Alliance West		Trial Pit: CPTC-LD83
Contract Ref: 727635	Start: 13.6.13 End: 13.6.13	Ground Level (m AOD): 60.00	National Grid Co-ordinate: E:347468.6 N:172475.8		Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.80	1	B				MADE GROUND: Grass over brown slightly sandy slightly gravelly CLAY. Gravel is subangular to subrounded fine to coarse mixed lithologies including sandstone (TOPSOIL).	59.80	0.20	
						Stiff reddish brown slightly sandy CLAY. (SUPERFICIAL DEPOSITS)		(0.40)	
							59.40	0.60	
						Probably highly weathered extremely closely to very closely jointed weak to medium strong grey fine grained SANDSTONE with frequent calcite mineral veins (less than 25mm thick). Joints (10mm to 50mm) are weathered to stiff red brown sandy clay. Trial pit terminated at 0.80m depth.	59.20	0.80	

Plan (Not to Scale)		General Remarks	
		1. Location CAT scanned prior to excavation. 2. Trial pit stable and dry. 3. Trial pit backfilled on completion. 4. Location: Tickenham Ridge.	
All dimensions in metres		Scale:	1:25
Method Used: Hand dug	Plant Used: Hand tools	Logged By: Wallwood	

[illegible]

<div style="text-align: center;"> </div>		General Remarks	
		1. Location CAT scanned prior to excavation. 2. Trial pit stable and dry. 3. Trial pit backfilled on completion. 5. Location: Tickenham Ridge.	
		All dimensions in metres	Scale: 1:25
Method Used:	Hand dug	Plant Used:	Hand tools
		Logged By:	Wallwood



Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.30-0.50	1	B				Grass over firm friable red brown sandy CLAY.	37.73	0.10	
						Firm red brown sandy slightly gravelly CLAY. Gravel is subangular to subrounded fine to coarse quartzite and calcite/quartz vein material.		(0.45)	
						Probably strong to very strong red brown fine gravel QUARTZITE derived from fine grained sandstone very closely jointed. Frequent quartz veining. Trial pit terminated at 0.60m depth.	37.28 37.23	0.55 0.60	








1. Location CAT scanned prior to excavation.
2. Trial pit dry.
3. Sidewalls locally unstable.
4. Trial pit backfilled on completion.
5. Location: Portbury.

Scale: 1:25

Logged
By: **WAllwood**



Contract: Hinkley to Seabank 400kV Connection			Client: Electricity Alliance West		Trial Pit: CPTC-LD92
Contract Ref: 727635	Start: 13.6.13	Ground Level (m AOD): 18.54	National Grid Co-ordinate: E:348711.0 N:174850.7		Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.90-1.20	1	B				MADE GROUND: Maize crop over firm brown sandy slightly gravelly CLAY. Gravel is subangular fine to coarse mixed lithologies.	18.29	0.25	
						Firm to stiff red brown sandy CLAY.	18.14	0.40	
						Firm locally firm to stiff red brown mottled brown slightly sandy locally sandy slightly gravelly CLAY. (SUPERFICIAL DEPOSITS) ... at 0.50m depth 1no. rounded sandstone boulder 35mm diameter.		(0.80)	
							17.34	1.20	
						Trial pit terminated at 1.20m depth.			

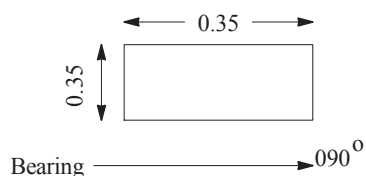
Plan (Not to Scale)		General Remarks	
		<div>1. Location CAT scanned prior to excavation.</div> <div>2. Trial pit stable and dry.</div> <div>3. Trial pit backfilled on completion.</div> <div>4. Location: Portbury.</div>	
All dimensions in metres		Scale:	1:25
Method Used: Hand dug	Plant Used: Hand tools	Logged By: Wallwood	



Contract: Hinkley to Seabank 400kV Connection			Client: Electricity Alliance West		Trial Pit: CPTC-LD93
Contract Ref: 727635	Start: 13.6.13 End: 13.6.13	Ground Level (m AOD): 9.44	National Grid Co-ordinate: E:348793.7 N:175142.0		Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.80-1.20	1	B				Grass over firm brown sandy slightly gravelly CLAY. Gravel is subrounded to subangular fine to coarse mixed lithologies (TOPSOIL).	9.24	0.20	
						Brown clayey fine to medium SAND locally firm brown sandy CLAY. (SUPERFICIAL DEPOSITS)	8.89	(0.35) 0.55	
						Brown clayey SAND and GRAVEL with frequent cobbles of sandstone (less than 180mm diameter). Gravel is subangular to rounded fine to coarse sandstone. Sand is fine to medium. (SUPERFICIAL DEPOSITS)		(0.65) 1.20	
						Trial pit terminated at 1.20m depth.	8.24		

Plan (Not to Scale)



General Remarks







1. Location CAT scanned prior to excavation.
2. Trial pit dry.
3. Sidewalls locally unstable.
4. Trial pit backfilled on completion.
5. Location: Portbury.

All dimensions in metres

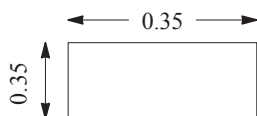
Scale: **1:25**Method
Used:**Hand dug**Plant
Used:**Hand tools**Logged
By:**Wallwood**



Contract: Hinkley to Seabank 400kV Connection			Client: Electricity Alliance West		Trial Pit: CPTC-LD97
Contract Ref: 727635	Start: 24.7.13 End: 24.7.13	Ground Level (m AOD): 5.66	National Grid Co-ordinate: E:350060.4 N:175834.0		Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.50 0.50	1	B HP	$c_u \Rightarrow 225$			MADE GROUND: Grass over very stiff very closely fissured brown slightly sandy slightly gravelly CLAY with frequent roots and rootlets (less than 3mm diameter). Gravel is a . . . between ground level and 0.40m depth subvertical closely spaced dessication cracks. Wide aperture (less than 20mm). Very stiff very closely fissured grey brown slightly sandy CLAY. (ALLUVIUM) Very stiff extremely closely fissured to very closely fissured grey mottled orange brown slightly sandy CLAY. (ALLUVIUM) Firm to stiff locally stiff extremely closely fissured grey slightly sandy CLAY. (ALLUVIUM) . . . below 1.10m depth occasional black organic mottles. Trial pit terminated at 1.20m depth.	5.51 5.26 4.86 4.46	0.15 0.40 (0.40) 1.20	     
1.00-1.20 1.00-1.20	2 3	B U							
1.20		HP	$c_u = 75/100/75$						

Plan (Not to Scale)



General Remarks


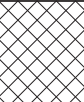

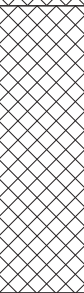

1. Location CAT scanned prior to excavation.
2. Trial pit stable and dry.
3. Trial pit backfilled on completion.
4. Location: Portbury Dock.

All dimensions in metres

Scale: **1:25**Method
Used:**Hand dug**Plant
Used:**Hand tools**Logged
By:**Wallwood**



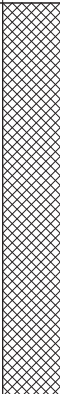
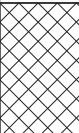

Contract: Hinkley to Seabank 400kV Connection			Client: Electricity Alliance West			Trial Pit: CPTC-LD100		
Contract Ref: 727635		Start: 25.7.13 End: 25.7.13	Ground Level (m AOD): 9.92		National Grid Co-ordinate: E:351000.9 N:176135.3		Sheet: 1 of 1	

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
1.00-1.30	1	B				MADE GROUND: Slightly silty slightly sandy GRAVEL and COBBLES. Gravel is angular to subangular fine to coarse limestone. Cobbles are similar up to 150mm diameter.	9.57	(0.35) 0.35	
						MADE GROUND: Mixed strength (predominantly stiff and very stiff occasionally firm) grey green slightly sandy slightly gravelly CLAY with occasional subangular limestone cobbles (less than 150mm diameter). Gravel is angular to rounded fine to coarse mixed lithologies including brick/concrete, timber and wood. ... with black woven geotextile (less than 1mm thick) at 0.35m depth.		(0.95)	
						8.62	1.30		
						Trial pit terminated at 1.30m depth.			

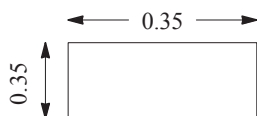
Plan (Not to Scale)			General Remarks		
			<div>1. Location CAT scanned prior to excavation.</div> <div>2. Trial pit stable and dry.</div> <div>3. Trial pit backfilled on completion.</div> <div>4. Location: Portbury Dock.</div>		
			All dimensions in metres		Scale: 1:25
Method Used: Hand dug		Plant Used: Hand tools		Logged By: Wallwood	



Contract: Hinkley to Seabank 400kV Connection			Client: Electricity Alliance West		Trial Pit: CPTC-LD100A
Contract Ref: 727635	Start: 24.7.13 End: 24.7.13	Ground Level (m AOD): 9.79	National Grid Co-ordinate: E:350994.0 N:176131.9		Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
1.00-1.30	1	B				MADE GROUND: Slightly silty slightly sandy GRAVEL and COBBLES. Gravel is angular to subangular fine to coarse limestone. Cobbles are similar up to 150mm diameter.	9.34	(0.45)	
						MADE GROUND: Mixed strength light grey green locally red brown slightly sandy slightly gravelly locally gravelly CLAY with occasional limestone and sandstone cobbles (less than 180mm diameter). Gravel is angular to rounded fine to coarse mixed lithologies including limestone, concrete and brick. . . . black woven geotextile (less than 1mm thick) at 0.45m depth.		(0.85)	
						. . . with occasional ashy pockets (less than 150mm diameter between 1.05m and 1.30m depth.	8.49	1.30	
Trial pit terminated at 1.30m depth.									

Plan (Not to Scale)



General Remarks

1. Location CAT scanned prior to excavation.
2. Trial pit stable and dry.
3. Original location of CPTC-LD100. Position in close proximity to foul water drain. Position moved.
4. Trial pit backfilled on completion.
5. Location: Portbury Dock.

All dimensions in metres

Scale: **1:25**

Method Used:

Hand dug

Plant Used:

Hand tools

Logged By:

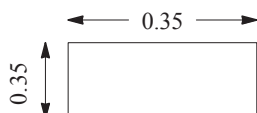
Wallwood



Contract: Hinkley to Seabank 400kV Connection			Client: Electricity Alliance West		Trial Pit: CPTC-LD102
Contract Ref: 727635	Start: 23.7.13 End: 23.7.13	Ground Level (m AOD): 12.32	National Grid Co-ordinate: E:351512.1 N:176542.4		Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
1.00-1.20	1	B				MADE GROUND: ASPHALT.	12.26	0.06	
						MADE GROUND: Brown slightly silty locally silty subangular GRAVEL. Gravel is angular to subangular fine to coarse limestone.	11.94	0.38	
						Mixed strength dark brown to dark grey slightly sandy gravelly CLAY with frequent whole brick cobbles and concrete cobbles (less than 200mm diameter). Gravel is angular to rounded fine to coarse mixed lithologies including concrete, brick, limestone, glass, metal and wood.		(0.82)	
						... with black woven geotextile (less than 1mm) at 0.38m depth.			
						... below 1.00m depth frequent wood fragments (less than 100mm diameter).	11.12	1.20	
						Trial pit terminated at 1.20m depth.			

Plan (Not to Scale)



General Remarks

1. Location CAT scanned prior to excavation.
2. Trial pit stable.
3. Very slight seepage at 0.20m depth.
4. Trial pit backfilled on completion.
5. Location: Portbury Dock.

All dimensions in metres

Scale: **1:25**

Method Used:

Hand dug

Plant Used:

Hand tools

Logged By:

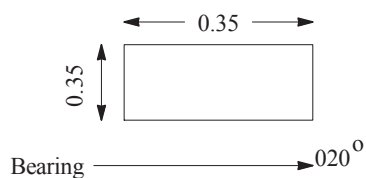
Wallwood



Contract: Hinkley to Seabank 400kV Connection			Client: Electricity Alliance West		Trial Pit: CPTC-LD119
Contract Ref: 727635	Start: 14.6.13 End: 14.6.13	Ground Level (m AOD): 7.23	National Grid Co-ordinate: E:354025.5 N:179579.2		Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.90-1.20	1	B				MADE GROUND: Stiff to very stiff grey brown slightly sandy slightly gravelly CLAY. Gravel is angular to subrounded fine to coarse mixed lithologies including concrete, limestone and occasional brick.	6.83	(0.40) 0.40	
						Very stiff extremely closely fissured grey brown slightly sandy CLAY. Fissure planes are weathered orange brown. (ALLUVIUM)	6.63 6.58	0.60 0.65	
1.20-1.40	2	U				Firm to stiff dark brown slightly sandy organic CLAY with frequent inclusions of decomposed organic plant matter (less than 25mm diameter). Firm to stiff grey brown slightly sandy CLAY.		(0.75)	
							5.83	1.40	
Trial pit terminated at 1.40m depth.									

Plan (Not to Scale)



General Remarks

1. Location CAT scanned prior to excavation.
2. Trial pit stable and dry.
3. Trial pit backfilled on completion.
4. Location: Avonmouth.

All dimensions in metres

Scale: **1:25**

Method Used:

Hand dug

Plant Used:



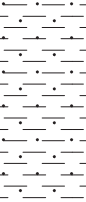




Hand tools

Logged By:

Wallwood



Contract: Hinkley to Seabank 400kV Connection			Client: Electricity Alliance West		Trial Pit: CPTC-ZG3
Contract Ref: 727635	Start: 22.7.13 End: 22.7.13	Ground Level (m AOD): 9.26	National Grid Co-ordinate: E:332567.9 N:140475.1		Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.50	1	B				Grass over very stiff very closely fissured friable (dessicated) light grey brown slightly sandy CLAY.	9.16	0.10	
						Very stiff extremely closely fissured to very closely fissured friable (dessicated) light grey brown slightly sandy CLAY.		(0.75)	
							8.41	0.85	
0.85-1.20	3	B				Stiff to very stiff extremely closely fissured to very closely fissured light grey brown mottled orange brown slightly sandy CLAY with occasional black organic mottles.			
1.00-1.20	2	U						(0.35)	
							8.06	1.20	
Trial pit terminated at 1.20m depth.									
</									







Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.30	1	B				Grass over stiff extremely closely fissured friable brown slightly sandy CLAY with frequent rootlets (less than 1mm diameter).	51.56	0.20	
						Probably medium strong to strong light grey moderately weathered LIMESTONE. Joints randomly orientated extremely closely to very closely spaced (15mm to 25mm occasionally 45mm) wide and infilled with very stiff grey brown slightly sandy clay up to 35mm thick. Trial pit terminated at 0.35m depth.	51.41	0.35	

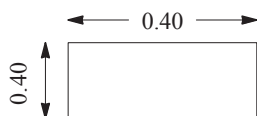
JNLT LIBRARY V8 04 GLBLLog TRIAL PIT LOG - STANDARD 727635 HINKLEY TO SEABANK.GPJ - v8 04 17/10/13 - 15:06 AD
Structural Soils Ltd, Head Office - Bristol: The Old School, Stillhouse Lane, Bedminster, Bristol, BS3 4EB. Tel: 0117-947-1000, Fax: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk.



Contract: Hinkley to Seabank 400kV Connection			Client: Electricity Alliance West		Trial Pit: CPTC-ZG7
Contract Ref: 727635	Start: 22.7.13 End: 22.7.13	Ground Level (m AOD): 39.68	National Grid Co-ordinate: E:333588.1 N:141203.1		Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.50	1	B				Grass over very stiff very closely fissured brown slightly sandy CLAY with frequent rootlets (less than 1mm diameter. (TOPSOIL)	39.53	0.15	
						Very stiff extremely closely and very closely fissured friable brown slightly sandy slightly gravelly CLAY. Gravel is subangular to subrounded fine to coarse limestone. (SUPERFICIAL DEPOSITS)	39.08	(0.45) 0.60	
1.00-1.20 1.00-1.20	2 3	B U				Stiff to very stiff extremely closely to very closely fissured grey occasional mottled orange brown slightly sandy CLAY. (LIAS GROUP) ... occasional clusters of fibrous gypsum crystals (less than 10mm by 50mm) at 0.80m depth.		(0.60)	 
							38.48	1.20	

Plan (Not to Scale)



General Remarks

1. Location CAT scanned prior to excavation.
2. Trial pit stable and dry.
3. Trial pit backfilled on completion.
4. Location: Woolavington.

All dimensions in metres

Scale: **1:25**

Method Used:

Hand dug

Plant Used:

Hand tools

Logged By:

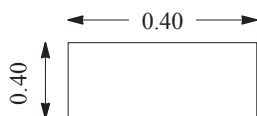
Wallwood



Contract: Hinkley to Seabank 400kV Connection		Client: Electricity Alliance West		Trial Pit: CPTC-ZG11
Contract Ref: 727635	Start: 22.7.13 End: 22.7.13	Ground Level (m AOD): 4.85	National Grid Co-ordinate: E:334401.7 N:142307.6	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.50	1	B				Grass over very stiff very closely fissured friable dark brown slightly sandy CLAY with frequent rootlets (less than 1mm diameter). (TOPSOIL)	4.55	0.30	
						Very stiff extremely closely to very closely fissured (dessicated) grey slightly sandy CLAY with occasional sand size white shell fragments. (ALLUVIUM)	4.05	0.80	
0.80-1.20	2	B				Stiff extremely closely to very closely fissured (dessicated) grey slightly sandy CLAY with occasional light grey silt partings/lenses (less than 1mm thick).			
1.00-1.20	3	U					3.65	1.20	
... firm below 1.20m depth. Trial pit terminated at 1.20m depth.									

Plan (Not to Scale)



General Remarks

1. Location CAT scanned prior to excavation.
2. Trial pit stable and dry.
3. Trial pit backfilled on completion.
4. Location: Woolavington.

All dimensions in metres

Scale: **1:25**Method
Used:**Hand dug**Plant
Used:**Hand tools**Logged
By:**Wallwood**



Contract: Hinkley to Seabank 400kV Connection			Client: Electricity Alliance West			Trial Pit: CPTC-ZG13		
Contract Ref: 727635		Start: 22.7.13 End: 22.7.13	Ground Level (m AOD): 5.01		National Grid Co-ordinate: E:334783.3 N:142993.0		Sheet: 1 of 1	

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.50 0.70-1.20 1.00-1.20	1	B				Very stiff friable very closely fissured (dessicated) brown slightly sandy CLAY with frequent rootlets (less than 1mm diameter).	4.71	(0.30) 0.30	
						Very stiff extremely closely fissured (dessicated) grey brown slightly sandy CLAY with occasional sand size white shell fragments. (ALLUVIUM)	4.41	(0.30) 0.60	
	2	B				Stiff to very stiff very closely fissured locally extremely closely fissured mottled grey and grey brown occasionally orange brown slightly sandy CLAY with occasional light grey silt lenses (less than 1mm thick by 50mm diameter).		(0.60)	
	3	U					3.81	1.20	
Trial pit terminated at 1.20m depth.									

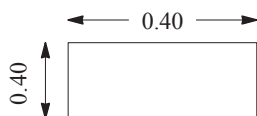
Plan (Not to Scale)			General Remarks		
			1. Location CAT scanned prior to excavation. 2. Trial pit stable and dry. 3. Trial pit backfilled on completion. 4. Location: Woolavington.		
All dimensions in metres			Scale: 1:25		
Method Used: Hand dug		Plant Used: Hand tools		Logged By: Wallwood	



Contract: Hinkley to Seabank 400kV Connection			Client: Electricity Alliance West		Trial Pit: CPTVQ43R
Contract Ref: 727635	Start: 22.7.13 End: 22.7.13	Ground Level (m AOD): 7.78	National Grid Co-ordinate: E:331932.8 N:139630.2		Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.50	1	B				Grass over very stiff very closely fissured grey brown slightly sandy CLAY with frequent rootlets (less than 1mm diameter).	7.63	0.15	
						Very stiff friable extremely closely fissured and very closely fissured grey brown slightly sandy CLAY. Rare sand sized white shell fragments.		(0.65)	
1.00-1.20	2	B				Stiff to very stiff friable extremely closely fissured grey brown occasionally mottled orange brown slightly sandy CLAY with occasional light grey silt partings (less than 1mm thick).	6.98	0.80	
								(0.40)	
1.00-1.20	3	U					6.58	1.20	
Trial pit terminated at 1.20m depth.									

Plan (Not to Scale)



General Remarks

1. Location CAT scanned prior to excavation.
2. Trial pit stable and dry.
3. Trial pit backfilled on completion.
4. Location: Bridgwater Tee.

All dimensions in metres

Scale: **1:25**

Method Used:

Hand dug

Plant Used:

Hand tools

Logged By:

Wallwood

APPENDIX C

- (i) Standard Penetration Test (SPT) Summary Sheet
- (ii) SPT Hammer Calibration Records
- (iii) California Bearing Ratio (CBR) Test Results


STANDARD PENETRATION TEST SUMMARY TABLE

Exploratory Position ID	Depth (m)	Hole Dia (mm)	Casing Depth (m)	Water Depth (m)	Seating Drive		Test Drive			Hammer ID	Calibration Date	Energy Ratio (%)	N ₆₀	Comments
					Blows	Pen (mm)	Blows	R (mm)	Result					
BHBWT1	1.20	150	0.00	DRY	1,0	150	1,0,1,1		N=3	EQU084 - 2013	08/10/2012	67.22	3	
	3.00	150	3.00	DRY	1,0	150	1,0,1,1		N=3	EQU084 - 2013	08/10/2012	67.22	3	
	4.50	150	4.00	DRY	1,0	150	0,0,1,0		N=1	EQU084 - 2013	08/10/2012	67.22	1	
	5.00	150	4.00	3.50	1,0	150	1,0,1,1		N=3	EQU084 - 2013	08/10/2012	67.22	3	
	8.00	150	7.50	DRY	1,0	150	1,0,1,1		N=3	EQU084 - 2013	08/10/2012	67.22	3	
	9.50	150	9.00	DRY	1,0	150	1,0,1,0		N=2	EQU084 - 2013	08/10/2012	67.22	2	
	10.00	150	10.00	DRY	1,0	150	1,0,1,0		N=2	EQU084 - 2013	08/10/2012	67.22	2	
	11.50	150	10.00	8.40	1,0	150	0,1,0,0		N=1	EQU084 - 2013	08/10/2012	67.22	1	
	13.00	150	13.00	12.10	1,0	150	1,1,2,2		N=6	EQU084 - 2013	08/10/2012	67.22	7	
	15.00	150	15.00	DRY	4,10	150	22,28+	140	N=107*	EQU084 - 2013	08/10/2012	67.22	120	
	15.25	150	15.10	7.70	25	75	25,25+	130	N=115*	EQU084 - 2013	08/10/2012	67.22	129	
BHC1A	2.00	150	1.70	DRY	1,0	150	0,0,0,1		N=1	EQU251-2013	13/03/2013	70.02	1	
	4.00	150	3.20	3.70	1,0	150	0,0,0,0		N=0	EQU251-2013	13/03/2013	70.02	0	
	6.50	150	6.20	6.10	1,0	150	0,0,0,0		N=0	EQU251-2013	13/03/2013	70.02	0	
	9.50	150	9.20	6.80	1,0	150	0,0,0,0		N=0	EQU251-2013	13/03/2013	70.02	0	
	11.00	150	10.70	4.80	1,0	150	1,1,1,1		N=4	EQU251-2013	13/03/2013	70.02	5	
	12.50	150	12.20	4.90	1,1	150	1,2,3,3		N=9	EQU251-2013	13/03/2013	70.02	11	

Notes:

1. Tests carried out in general accordance with BS EN ISO 22476-3:2005, including amendment A1 (2011).
2. Reported blows are for 75mm penetration unless indicated "+".
3. Where full test drive was not achieved, actual penetration (R) and extrapolated N value (N*) reported.
4. Tests carried out using a split spoon sampler unless noted as SPT(c) (denotes use of solid cone method) in the comments column.
5. Entries in the water depth column reflects the measured water depth at time of test.

$$N_{60} = (\text{Measured hammer energy ratio} / 60) \times N \text{ value}$$

 STRUCTURAL SOILS The Old School Stillhouse Lane Bedminster Bristol BS3 4EB	Compiled By		Date	Contract Ref: 727635
	[REDACTED]		15.8.13	
	Contract: Hinkley to Seabank 400kV Connection			Page 1 of 28 [REDACTED]


STANDARD PENETRATION TEST SUMMARY TABLE

Exploratory Position ID	Depth (m)	Hole Dia (mm)	Casing Depth (m)	Water Depth (m)	Seating Drive		Test Drive			Hammer ID	Calibration Date	Energy Ratio (%)	N ₆₀	Comments
					Blows	Pen (mm)	Blows	R (mm)	Result					
BHC1A	14.00	150	13.80	4.80	1,2	150	2,3,3,4		N=12	EQU251-2013	13/03/2013	70.02	14	
	15.50	150	15.30	4.80	1,0	150	0,0,0,5		N=5	EQU251-2013	13/03/2013	70.02	6	
	17.00	150	17.00	4.80	2,3	150	1,2,3,4		N=10	EQU251-2013	13/03/2013	70.02	12	
	18.50	150	18.40	DRY	3,9	150	10,15,20,5+	235	N=64*	EQU251-2013	13/03/2013	70.02	75	
	20.00	150	19.20	DRY	5,9	150	13,17,20+	215	N=70*	EQU251-2013	13/03/2013	70.02	82	
	21.00	146	20.00		9,14	150	21,36,16,12		N=85	EQU089-2012	28/09/2012	61.46	87	
	22.00	146	20.00		4,7	150	11,17,19,23		N=70	EQU089-2012	28/09/2012	61.46	72	
	23.00	146	20.00		6,10	150	16,22,30,32		N=100	EQU089-2012	28/09/2012	61.46	102	
	24.00	146	23.00		16,9	150	28,37,35+	177	N=169*	EQU089-2012	28/09/2012	61.46	173	
	25.00	146	23.00		16,9	90	28,37,35+	170	N=176*	EQU089-2012	28/09/2012	61.46	180	
	26.50	146	23.00		18,7	90	47,53+	110	N=273*	EQU089-2012	28/09/2012	61.46	280	
BHC1B	2.00	150	1.80	1.50	1,0	150	0,0,0,0		N=0	EQU251-2013	13/03/2013	70.02	0	
	4.00	150	3.20	DRY	1,0	150	0,0,0,0		N=0	EQU251-2013	13/03/2013	70.02	0	
	6.50	150	6.40	DRY	1,0	150	0,0,0,0		N=0	EQU251-2013	13/03/2013	70.02	0	
	9.50	150	9.50	DRY	1,0	150	0,0,0,0		N=0	EQU251-2013	13/03/2013	70.02	0	
	11.00	150	10.70	4.50	1,0	150	0,1,1,2		N=4	EQU251-2013	13/03/2013	70.02	5	
	12.50	150	12.20	4.30	1,2	150	2,1,1,1		N=5	EQU251-2013	13/03/2013	70.02	6	

Notes:

1. Tests carried out in general accordance with BS EN ISO 22476-3:2005, including amendment A1 (2011).
2. Reported blows are for 75mm penetration unless indicated "+".
3. Where full test drive was not achieved, actual penetration (R) and extrapolated N value (N*) reported.
4. Tests carried out using a split spoon sampler unless noted as SPT(c) (denotes use of solid cone method) in the comments column.
5. Entries in the water depth column reflects the measured water depth at time of test.

$$N_{60} = (\text{Measured hammer energy ratio} / 60) \times N \text{ value}$$

 STRUCTURAL SOILS The Old School Stillhouse Lane Bedminster Bristol BS3 4EB	Compiled By			Date	Contract Ref:
	[REDACTED]			15.8.13	
	Contract: Hinkley to Seabank 400kV Connection				Page 2 of 28 [REDACTED]


STANDARD PENETRATION TEST SUMMARY TABLE

Exploratory Position ID	Depth (m)	Hole Dia (mm)	Casing Depth (m)	Water Depth (m)	Seating Drive		Test Drive			Hammer ID	Calibration Date	Energy Ratio (%)	N ₆₀	Comments
					Blows	Pen (mm)	Blows	R (mm)	Result					
BHC1B	14.00	150	13.70	4.40	1,1	150	1,1,1,3		N=6	EQU251-2013	13/03/2013	70.02	7	
	15.50	150	15.20	7.60	1,0	150	0,1,1,5		N=7	EQU251-2013	13/03/2013	70.02	8	
	17.00	150	16.70	7.60	1,3	150	4,2,1,2		N=9	EQU251-2013	13/03/2013	70.02	11	
	18.50	150	18.30	5.50	1,4	150	5,7,11,21		N=44	EQU251-2013	13/03/2013	70.02	51	
	20.00	150	19.70	5.40	8,15	150	31,19+	105	N=143*	EQU251-2013	13/03/2013	70.02	167	
	21.40	150	20.50	4.50	4,13	150	19,31	150	N=100*	EQU251-2013	13/03/2013	70.02	117	
BHC1C	2.00	150	1.50	DRY	1,0	150	0,1,0,0		N=1	EQU084-2012	28/09/2012	67.22	1	
	4.00	150	4.00	DRY	1,0	150	1,0,1,0		N=2	EQU084-2012	28/09/2012	67.22	2	
	6.50	150	6.00	DRY	1,0	150	1,0,1,1		N=3	EQU084-2012	28/09/2012	67.22	3	
	9.50	150	9.50	DRY	1,0	150	1,0,1,1		N=3	EQU084-2012	28/09/2012	67.22	3	
	11.00	150	11.00	DRY	1,0	150	1,0,1,1		N=3	EQU084-2012	28/09/2012	67.22	3	
	12.50	150	12.00	DRY	2,3	150	3,3,5,5		N=16	EQU084-2012	28/09/2012	67.22	18	
	14.00	150	13.50	7.40	3,4	150	4,4,4,4		N=16	EQU084-2012	28/09/2012	67.22	18	
	15.50	150	15.50	7.40	2,2	150	3,3,4,5		N=15	EQU084-2012	28/09/2012	67.22	17	
	17.00	150	16.50	7.90	2,4	150	6,6,6,6		N=24	EQU084-2012	28/09/2012	67.22	27	
	18.50	150	18.00	3.00	2,2	150	3,2,3,3		N=11	EQU084-2012	28/09/2012	67.22	12	
	19.90	150	19.50	3.20	7,10	150	18,21,25	225	N=85*	EQU089-2012	28/09/2012	61.46	87	

Notes:

1. Tests carried out in general accordance with BS EN ISO 22476-3:2005, including amendment A1 (2011).
2. Reported blows are for 75mm penetration unless indicated "+".
3. Where full test drive was not achieved, actual penetration (R) and extrapolated N value (N*) reported.
4. Tests carried out using a split spoon sampler unless noted as SPT(c) (denotes use of solid cone method) in the comments column.
5. Entries in the water depth column reflects the measured water depth at time of test.

$$N_{60} = (\text{Measured hammer energy ratio} / 60) \times N \text{ value}$$

 STRUCTURAL SOILS The Old School Stillhouse Lane Bedminster Bristol BS3 4EB	Compiled By		Date	Contract Ref: 727635
	[REDACTED]		15.8.13	
	Contract: Hinkley to Seabank 400kV Connection			Page 3 of 28 [REDACTED]


STANDARD PENETRATION TEST SUMMARY TABLE

Exploratory Position ID	Depth (m)	Hole Dia (mm)	Casing Depth (m)	Water Depth (m)	Seating Drive		Test Drive			Hammer ID	Calibration Date	Energy Ratio (%)	N ₆₀	Comments
					Blows	Pen (mm)	Blows	R (mm)	Result					
BHC1C	20.90	146	20.00		5,11	150	14,19,11,13		N=57	EQU089-2012	28/09/2012	61.46	58	
	22.60	146	21.90		3,9	150	11,13,17,17		N=58	EQU089-2012	28/09/2012	61.46	59	SPT(c)
	23.90	146	21.90		6,14	150	18,24,31,27+	240	N=125*	EQU089-2012	28/09/2012	61.46	128	SPT(c)
	25.60	146	22.90		9,16	85	19,27,34,25+	242	N=130*	EQU089-2012	28/09/2012	61.46	133	SPT(c)
BHC2A	1.20	150	0.00	DRY	1,0	150	1,0,1,0		N=2	EQU084-2012	28/09/2012	67.22	2	
	3.00	150	3.00	DRY	1,0	150	1,0,1,1		N=3	EQU084-2012	28/09/2012	67.22	3	
	5.00	150	5.00	DRY	1,0	150	0,1,0,0		N=1	EQU084-2012	28/09/2012	67.22	1	
	8.00	150	8.00	DRY	1,2	150	2,3,4,4		N=13	EQU084-2012	28/09/2012	67.22	15	
	9.50	150	9.50	DRY	2,3	150	4,4,5,5		N=18	EQU084-2012	28/09/2012	67.22	20	
	11.00	150	11.00	DRY	1,1	150	1,2,2,2		N=7	EQU084-2012	28/09/2012	67.22	8	
	12.50	150	12.00	7.20	2,3	150	4,4,5,7		N=20	EQU084-2012	28/09/2012	67.22	22	
	14.50	150	14.00	DRY	1,2	150	2,2,2,2		N=8	EQU084-2012	28/09/2012	67.22	9	
	16.00	150	16.00	4.00	4,4	150	6,6,7,7		N=26	EQU084-2012	28/09/2012	67.22	29	
	17.90	146	17.60		3,6	150	9,15,17,22		N=63	EQU089-2012	28/09/2012	61.46	65	
	18.90	146	18.60		9,15	150	19,23,28+	180	N=117*	EQU089-2012	28/09/2012	61.46	120	
	19.90	146	18.60		7,12	150	15,19,26,31		N=91	EQU089-2012	28/09/2012	61.46	93	
	20.90	146	18.60		3,7	150	9,11,12,27		N=59	EQU089-2012	28/09/2012	61.46	60	

Notes:

1. Tests carried out in general accordance with BS EN ISO 22476-3:2005, including amendment A1 (2011).
2. Reported blows are for 75mm penetration unless indicated "+".
3. Where full test drive was not achieved, actual penetration (R) and extrapolated N value (N*) reported.
4. Tests carried out using a split spoon sampler unless noted as SPT(c) (denotes use of solid cone method) in the comments column.
5. Entries in the water depth column reflects the measured water depth at time of test.

$$N_{60} = (\text{Measured hammer energy ratio} / 60) \times N \text{ value}$$

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STANDARD PENETRATION TEST SUMMARY TABLE

Exploratory Position ID	Depth (m)	Hole Dia (mm)	Casing Depth (m)	Water Depth (m)	Seating Drive		Test Drive			Hammer ID	Calibration Date	Energy Ratio (%)	N ₆₀	Comments
					Blows	Pen (mm)	Blows	R (mm)	Result					
BHC2A	22.40	146	18.60		7,13	150	15,18,21,27		N=81	EQU089-2012	28/09/2012	61.46	83	
BHC2B	2.00	150	1.50	DRY	1,0	150	0,1,0,0		N=1	EQU084-2012	28/09/2012	67.22	1	
	4.00	150	4.00	DRY	1,0	150	0,1,0,0		N=1	EQU084-2012	28/09/2012	67.22	1	
	5.00	150	5.00	DRY	1,0	150	0,1,0,0		N=1	EQU084-2012	28/09/2012	67.22	1	
	7.00	150	6.00	DRY	1,0	150	0,1,0,0		N=1	EQU084-2012	28/09/2012	67.22	1	
	8.00	150	7.50	DRY	1,0	150	1,0,1,0		N=2	EQU084-2012	28/09/2012	67.22	2	
	9.50	150	9.00	DRY	2,3	150	4,4,6,7		N=21	EQU084-2012	28/09/2012	67.22	24	
	11.00	150	10.50	4.90	2,3	150	4,6,8,10		N=28	EQU084-2012	28/09/2012	67.22	31	
	12.50	150	12.00	5.80	3,4	150	4,8,10,10		N=32	EQU084-2012	28/09/2012	67.22	36	SPT(c)
	14.50	150	13.60	7.10	2,2	150	4,4,4,4		N=16	EQU084-2012	28/09/2012	67.22	18	
	16.50	150	16.50	6.20	1,1	150	1,1,1,2		N=5	EQU084-2012	28/09/2012	67.22	6	
	18.00	150	18.00	7.80	8,9	150	15,17,18	225	N=67*	EQU084-2012	28/09/2012	67.22	75	
	18.70	150	18.00	7.80	4,8	150	10,17,23+	218	N=69*	EQU084-2012	28/09/2012	67.22	77	
BHC2C	1.20	150	0.00	DRY	1,1	150	2,2,2,3		N=9	EQU084-2012	28/09/2012	67.22	10	
	3.00	150	3.00	1.70	1,0	150	1,1,1,1		N=4	EQU084-2012	28/09/2012	67.22	4	
	5.00	150	5.00	DRY	1,2	150	2,2,2,2		N=8	EQU084-2012	28/09/2012	67.22	9	

Notes:

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2. Reported blows are for 75mm penetration unless indicated "+".
3. Where full test drive was not achieved, actual penetration (R) and extrapolated N value (N*) reported.
4. Tests carried out using a split spoon sampler unless noted as SPT(c) (denotes use of solid cone method) in the comments column.
5. Entries in the water depth column reflects the measured water depth at time of test.

$$N_{60} = (\text{Measured hammer energy ratio} / 60) \times N \text{ value}$$

 STRUCTURAL SOILS The Old School Stillhouse Lane Bedminster Bristol BS3 4EB	Compiled By		Date	Contract Ref: 727635
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STANDARD PENETRATION TEST SUMMARY TABLE

Exploratory Position ID	Depth (m)	Hole Dia (mm)	Casing Depth (m)	Water Depth (m)	Seating Drive		Test Drive			Hammer ID	Calibration Date	Energy Ratio (%)	N ₆₀	Comments
					Blows	Pen (mm)	Blows	R (mm)	Result					
BHC2C	8.00	150	8.00	6.10	1,1	150	1,1,1,1		N=4	EQU084-2012	28/09/2012	67.22	4	
	10.00	150	9.75	DRY	1,0	150	1,0,1,0		N=2	EQU084-2012	28/09/2012	67.22	2	
	12.00	150	11.00	DRY	1,1	150	1,1,1,1		N=4	EQU084-2012	28/09/2012	67.22	4	
	13.50	150	13.50	DRY	1,1	150	1,1,0,0		N=2	EQU084-2012	28/09/2012	67.22	2	
	15.00	150	15.00	DRY	1,0	150	1,1,1,2		N=5	EQU084-2012	28/09/2012	67.22	6	
	16.50	150	16.30	DRY	2,2	150	3,3,3,4		N=13	EQU084-2012	28/09/2012	67.22	15	
	18.00	150	18.00	DRY	2,3	150	4,7,9,11		N=31	EQU084-2012	28/09/2012	67.22	35	
	19.50	150	19.50	DRY	25	75	25,25	150	N=100*	EQU084-2012	28/09/2012	67.22	112	
	21.00	150	21.00	4.00	25	75	50	75	N=200*	EQU084-2012	28/09/2012	67.22	224	
BHC2D	2.00	150	1.50	DRY	1,0	150	1,1,1,1		N=4	EQU084-2012	28/09/2012	67.22	4	
	4.00	150	4.00	DRY	1,0	150	1,1,1,1		N=4	EQU084-2012	28/09/2012	67.22	4	
	6.50	150	6.00	DRY	1,0	150	1,0,1,1		N=3	EQU084-2012	28/09/2012	67.22	3	
	8.50	150	10.50	DRY	1,0	150	1,1,1,1		N=4	EQU084-2012	28/09/2012	67.22	4	
	10.50	150	10.50	DRY	1,0	150	0,1,0,1		N=2	EQU084-2012	28/09/2012	67.22	2	
	12.50	150	12.00	DRY	2,3	150	5,5,5,5		N=20	EQU084-2012	28/09/2012	67.22	22	
	15.50	150	15.00	DRY	1,0	150	1,1,1,2		N=5	EQU084-2012	28/09/2012	67.22	6	
BHC2D	18.50	150	17.00	DRY	2,4	150	6,6,6,7		N=25	EQU084-2012	28/09/2012	67.22	28	

Notes:

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4. Tests carried out using a split spoon sampler unless noted as SPT(c) (denotes use of solid cone method) in the comments column.
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$$N_{60} = (\text{Measured hammer energy ratio} / 60) \times N \text{ value}$$

 STRUCTURAL SOILS The Old School Stillhouse Lane Bedminster Bristol BS3 4EB	Compiled By			Date	Contract Ref: 727635
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STANDARD PENETRATION TEST SUMMARY TABLE

Exploratory Position ID	Depth (m)	Hole Dia (mm)	Casing Depth (m)	Water Depth (m)	Seating Drive		Test Drive			Hammer ID	Calibration Date	Energy Ratio (%)	N ₆₀	Comments
					Blows	Pen (mm)	Blows	R (mm)	Result					
BHC2DA	18.50	150	18.50	9.20	3,5	150	18,32	150	N=100*	EQU084-2012	28/09/2012	67.22	112	
	19.30	150	18.50	9.20	25	75	50+	55	N=273*	EQU084-2012	28/09/2012	67.22	306	
	19.50	146	19.20	DRY	3,6	150	9,11,12,16		N=48	EQU084-2012	28/09/2012	67.22	54	
BHC3A	2.00	150	1.50	DRY	1,2	150	1,2,2,3		N=8	EQU084-2012	28/09/2012	67.22	9	
	3.00	150	1.50	DRY	3,4	150	4,4,6,7		N=21	EQU084-2012	28/09/2012	67.22	24	
	4.00	150	1.50	DRY	4,5	150	6,8,10,12		N=36	EQU084-2012	28/09/2012	67.22	40	
	5.00	150	1.50	DRY	8,10	150	10,12,15,13+	290	N=52*	EQU084-2012	28/09/2012	67.22	58	
	6.50	146	6.20		4,10	150	12,13,15,17		N=57	EQU089-2012	28/09/2012	61.46	58	
	7.50	146	6.20		3,7	150	10,13,15,18		N=56	EQU089-2012	28/09/2012	61.46	57	
	8.50	146	6.20		6,12	150	19,19,22,25		N=85	EQU089-2012	28/09/2012	61.46	87	
	9.50	146	6.20		4,9	150	15,16,18,21		N=70	EQU089-2012	28/09/2012	61.46	72	
	11.20	150	6.20		13,16	150	30,36,34+	180	N=167*					
	11.90	150	6.20		17,8	85	100+	45	N=667*					
	13.40				25	20	100+	35	N=857*					
	14.90	150	6.20		21,4	79	100+	40	N=750*					

Notes:

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3. Where full test drive was not achieved, actual penetration (R) and extrapolated N value (N*) reported.
4. Tests carried out using a split spoon sampler unless noted as SPT(c) (denotes use of solid cone method) in the comments column.
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Exploratory Position ID	Depth (m)	Hole Dia (mm)	Casing Depth (m)	Water Depth (m)	Seating Drive		Test Drive			Hammer ID	Calibration Date	Energy Ratio (%)	N ₆₀	Comments
					Blows	Pen (mm)	Blows	R (mm)	Result					
BHC3B	2.00	150	1.50	DRY	6,8	150	10,12,12,14		N=48	EQU084-2012	28/09/2012	67.22	54	
	3.00	150	1.50	DRY	6,10	150	15,18,17+	200	N=75*	EQU084-2012	28/09/2012	67.22	84	
	4.00	150	1.50	DRY	8,10	150	10,15,20,5+	230	N=65*	EQU084-2012	28/09/2012	67.22	73	
	5.50	146	4.50		3,7	150	7,8,11,13		N=39	EQU089-2012	28/09/2012	61.46	40	SPT(c)
	7.00	146	4.50		4,5	150	9,12,13,15		N=49	EQU089-2012	28/09/2012	61.46	50	SPT(c)
	8.50	146	4.50		6,6	150	8,11,13,15		N=47	EQU089-2012	28/09/2012	61.46	48	SPT(c)
	10.00	146	4.50		11,14	150	28,31,39,2		N=100	EQU089-2012	28/09/2012	61.46	102	SPT(c)
	11.00	146	4.50		15,16	150	30,37,33+	154	N=195*	EQU089-2012	28/09/2012	61.46	200	SPT(c)
	12.50	146	4.50		14,17	150	28,35,37+	155	N=194*	EQU089-2012	28/09/2012	61.46	199	SPT(c)
BHC3C	1.20	150	0.00	DRY	25	75	25,15,10+	175	N=86*	EQU084-2012	28/09/2012	67.22	96	
	2.00	150	1.00	DRY	25	75	20,30	150	N=100*	EQU084-2012	28/09/2012	67.22	112	
	2.20	146	1.50	1.60	1,10	150	20,25,7,7		N=59	EQU083-2013	13/07/2013	67.68	67	
	2.80	146	1.50	2.70	1,3	150	5,5,7,11		N=28	EQU083-2013	13/07/2013	67.68	32	
	3.80	146	1.50	1.80	14,11	110	50,50+	148	N=203*	EQU083-2013	13/07/2013	67.68	229	
	4.80	146	1.50	2.90	17,8	90	32,40,28+	175	N=171*	EQU083-2013	13/07/2013	67.68	193	
	5.80	146	1.50	3.10	17,8	88	40,45,17+	165	N=185*	EQU083-2013	13/07/2013	67.68	209	SPT(c)
	6.30	146	1.50	4.40	19,6	80	46,49,5+	155	N=194*	EQU083-2013	13/07/2013	67.68	219	SPT(c)

Notes:

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STANDARD PENETRATION TEST SUMMARY TABLE

Exploratory Position ID	Depth (m)	Hole Dia (mm)	Casing Depth (m)	Water Depth (m)	Seating Drive		Test Drive			Hammer ID	Calibration Date	Energy Ratio (%)	N ₆₀	Comments
					Blows	Pen (mm)	Blows	R (mm)	Result					
BHC3C	7.80	146	1.50	6.20	12,13	120	23,25,35,17+	265	N=113*	EQU083-2013	13/07/2013	67.68	127	SPT(c)
	9.30	146	1.50	6.30	10,15	120	22,25,35,18+	265	N=113*	EQU083-2013	13/07/2013	67.68	127	SPT(c)
	10.80	146	1.50		12,13	150	20+,25,31,24		N=102*	EQU083-2013	13/07/2013	67.68	115	SPT(c)
	12.10	146	1.60		6,13	150	15,25,30,40+	298	N=111*	EQU083-2013	13/07/2013	67.68	125	SPT(c)
	13.60	146	1.60		11,14	143	24,30,35,11+	257	N=117*	EQU083-2013	13/07/2013	67.68	132	SPT(c)
BHC3D	1.20	150	0.00	DRY	6,13	150	16,20,14+	180	N=83*	EQU084-2012	28/09/2012	67.22	93	
	2.00	150	1.50	DRY	6,13	150	25,25+	115	N=130*	EQU084-2012	28/09/2012	67.22	146	
	2.20	146	2.20		9,16	150	30,60,10+	165	N=182*	EQU089-2012	28/09/2012	61.46	186	
	3.20	146	2.20		11,14	95	45,5+	95	N=158*	EQU089-2012	28/09/2012	61.46	162	
	4.20	146	2.20		25	20	50+	25	N=600*	EQU089-2012	28/09/2012	61.46	615	
	5.20	146	2.20		2,4	150	6,9,9,12		N=36	EQU089-2012	28/09/2012	61.46	37	
	6.30	146	2.20		25	15	50+	35	N=429*	EQU089-2012	28/09/2012	61.46	439	
	9.30	146	2.20		12,13	85	29,21+	95	N=158*	EQU089-2012	28/09/2012	61.46	162	
	10.80	146	2.20		11,14	95	37,13+	90	N=167*	EQU089-2012	28/09/2012	61.46	171	
	12.30	146	2.20		19,6	85	41,9+	85	N=176*	EQU089-2012	28/09/2012	61.46	180	
	13.80	146	2.20		18,7	90	50+	45	N=333*	EQU089-2012	28/09/2012	61.46	341	
	15.30	146	2.20		25	40	43,7+	85	N=176*	EQU089-2012	28/09/2012	61.46	180	

Notes:

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STANDARD PENETRATION TEST SUMMARY TABLE

Exploratory Position ID	Depth (m)	Hole Dia (mm)	Casing Depth (m)	Water Depth (m)	Seating Drive		Test Drive			Hammer ID	Calibration Date	Energy Ratio (%)	N ₆₀	Comments
					Blows	Pen (mm)	Blows	R (mm)	Result					
BHC3D	16.80	146	2.20		25	10	50+	15	N=1000*	EQU089-2012	28/09/2012	61.46	1024	
	18.30	146	2.20		25	30	50+	20	N=750*	EQU089-2012	28/09/2012	61.46	768	
BHC4	1.20	150	0.00	DRY	4,6	150	9,14,36,0+	225	N=79*	EQU084-2012	28/09/2012	67.22	89	
	2.00	150	1.50	DRY	6,10	150	10,14,14,12+	285	N=53*	EQU084-2012	28/09/2012	67.22	59	
	3.00	150	1.50	DRY	6,19	150	50	75	N=200*	EQU084-2012	28/09/2012	67.22	224	
	3.60	146	3.00	3.20	2,3	150	6,6,12,8		N=32	EQU083-2013	13/07/2013	67.68	36	
	4.60	146	3.00	5.80	25	40	40,20,20,20+	295	N=102*	EQU083-2013	13/07/2013	67.68	115	
	6.10	146	3.00	5.70	12,15	100	75,25+	90	N=333*	EQU083-2013	13/07/2013	67.68	376	
	7.60	146	3.00	5.80	8,12	115	40,43,17+	160	N=188*	EQU083-2013	13/07/2013	67.68	212	
	9.10	146	3.00	5.80	15,10	81	48,52+	143	N=210*	EQU083-2013	13/07/2013	67.68	237	
BHC5	1.20	150	0.00	DRY	1,1	150	1,1,2,2		N=6	EQU084-2012	28/09/2012	67.22	7	
	2.00	150	1.50	DRY	2,3	150	5,6,7,10		N=28	EQU084-2012	28/09/2012	67.22	31	
	3.00	150	1.50	DRY	6,9	82	10,12,16+,12+	235	N=64*	EQU084-2012	28/09/2012	67.22	72	
	4.00	150	1.50	DRY	10,15	150	19,20,11+	200	N=75*	EQU084-2012	28/09/2012	67.22	84	
	5.00	146	4.00		6,13	150	14,19,20,44		N=97	EQU084-2012	28/09/2012	67.22	109	SPT(c)
	6.00	146	4.00		9,14	150	17,26,24,22		N=89	EQU084-2012	28/09/2012	67.22	100	SPT(c)

Notes:

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STANDARD PENETRATION TEST SUMMARY TABLE

Exploratory Position ID	Depth (m)	Hole Dia (mm)	Casing Depth (m)	Water Depth (m)	Seating Drive		Test Drive			Hammer ID	Calibration Date	Energy Ratio (%)	N ₆₀	Comments
					Blows	Pen (mm)	Blows	R (mm)	Result					
BHC5	7.00	146	6.00		18,7	85	28,36,36+	175	N=171*	EQU084-2012	28/09/2012	67.22	192	SPT(c)
	8.50	146	6.00		16,9	90	41,47,12+	190	N=158*	EQU084-2012	28/09/2012	67.22	177	SPT(c)
	10.00	146	6.00		25	30	41,47,12+	165	N=182*	EQU084-2012	28/09/2012	67.22	204	SPT(c)
BHC6	1.20	150	0.00	DRY	1,1	150	1,1,2,2		N=6	EQU084 - 2013	08/10/2012	67.22	7	
	3.00	150	1.50	DRY	5,7	150	9,10,12,14		N=45	EQU084 - 2013	08/10/2012	67.22	50	
	4.00	150	1.50	DRY	4,8	150	8,10,10,12		N=40	EQU084 - 2013	08/10/2012	67.22	45	
	5.00	150	1.50	DRY	5,7	150	8,10,11,14		N=43	EQU084 - 2013	08/10/2012	67.22	48	
	6.00	150	1.50	DRY	6,10	150	11,13,15,12+	270	N=57*	EQU084 - 2013	08/10/2012	67.22	64	
	7.00	146	6.00		7,18	85	27,33,40+	185	N=162*	EQU089-2012	28/09/2012	61.46	166	SPT(c)
	8.00	146	6.00		6,14	150	29,31,27,13+	245	N=122*	EQU089-2012	28/09/2012	61.46	125	SPT(c)
	9.00	146	6.00		6,18	150	17,22,20,23		N=82	EQU089-2012	28/09/2012	61.46	84	SPT(c)
	10.50	146	6.00		7,15	150	19,21,28,30		N=98	EQU089-2012	28/09/2012	61.46	100	SPT(c)
BHC7	1.00	150	0.00	DRY	5,3	150	2,2,3,4		N=11	EQU084 - 2013	08/10/2012	67.22	12	
	2.00	150	1.50	DRY	2,3	150	4,6,7,6		N=23	EQU084 - 2013	08/10/2012	67.22	26	
	3.00	150	1.50	DRY	3,5	150	10,12,14,22		N=58	EQU084 - 2013	08/10/2012	67.22	65	
	5.30	146	3.30		5,9	150	10,16,18,21		N=65	EQU089-2012	28/09/2012	61.46	67	SPT(c)

Notes:

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2. Reported blows are for 75mm penetration unless indicated "+".
3. Where full test drive was not achieved, actual penetration (R) and extrapolated N value (N*) reported.
4. Tests carried out using a split spoon sampler unless noted as SPT(c) (denotes use of solid cone method) in the comments column.
5. Entries in the water depth column reflects the measured water depth at time of test.

$$N_{60} = (\text{Measured hammer energy ratio} / 60) \times N \text{ value}$$

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STANDARD PENETRATION TEST SUMMARY TABLE

Exploratory Position ID	Depth (m)	Hole Dia (mm)	Casing Depth (m)	Water Depth (m)	Seating Drive		Test Drive			Hammer ID	Calibration Date	Energy Ratio (%)	N ₆₀	Comments
					Blows	Pen (mm)	Blows	R (mm)	Result					
BHC7	6.20	146	3.30		9,16	95	18,26,21,24		N=89	EQU089-2012	28/09/2012	61.46	91	SPT(c)
	7.40	146	3.30		15,10	85	21,30,34,15+	240	N=125*	EQU089-2012	28/09/2012	61.46	128	SPT(c)
	8.90	146	3.30		25	30	29,35,36+	175	N=171*	EQU089-2012	28/09/2012	61.46	175	SPT(c)
	10.10	146	3.30		25	20	45,55+	105	N=286*	EQU089-2012	28/09/2012	61.46	293	SPT(c)
BHC8A	1.20	150	0.00	DRY	2,2	150	2,4,4,4		N=14	EQU084-2012	28/09/2012	67.22	16	
	2.00	150	1.50	DRY	2,2	150	2,2,5,5		N=14	EQU084-2012	28/09/2012	67.22	16	
	3.00	150	1.50	DRY	3,4	150	5,6,12,12		N=35	EQU084-2012	28/09/2012	67.22	39	
	4.00	150	1.50	DRY	8,11	150	16,20+,14	200	N=75*	EQU084-2012	28/09/2012	67.22	84	
	5.00	150	1.50	DRY	8,10	150	11,13,15,11+	280	N=54*	EQU084-2012	28/09/2012	67.22	60	
	5.20	150	5.50	DRY	3,7	150	8,11,13,9		N=41	EQU084-2012	28/09/2012	67.22	46	
	6.20	146	5.50		6,13	150	15,21,20,19		N=75	EQU089-2012	28/09/2012	61.46	77	
	7.30	146	5.50		5,16	150	18,23,25,21		N=87	EQU089-2012	28/09/2012	61.46	89	
	8.80	146	5.50		9,16	90	22,24,30,31		N=107	EQU089-2012	28/09/2012	61.46	110	
	10.30	146	5.50		14,11	93	27,38,35+	180	N=167*	EQU089-2012	28/09/2012	61.46	171	
	11.80	146	5.50		6,15	150	19,27,29,25+	245	N=122*	EQU089-2012	28/09/2012	61.46	125	
	13.30	146	5.50		18,7	85	24,36,40+	175	N=171*	EQU089-2012	28/09/2012	61.46	175	
	14.80	146	5.50		25	20	39,43,18+	165	N=182*	EQU089-2012	28/09/2012	61.46	186	

Notes:

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Exploratory Position ID	Depth (m)	Hole Dia (mm)	Casing Depth (m)	Water Depth (m)	Seating Drive		Test Drive			Hammer ID	Calibration Date	Energy Ratio (%)	N ₆₀	Comments
					Blows	Pen (mm)	Blows	R (mm)	Result					
BHC8A	16.30	146	5.50		19,6	85	34,47,15+	162	N=178*	EQU089-2012	28/09/2012	61.46	182	
	17.80	146	5.50		25	75	100+	40	N=750*	EQU089-2012	28/09/2012	61.46	768	
	19.30	146	5.50	0.50	25	10	100+	40	N=750*	EQU089-2012	28/09/2012	61.46	768	SPT(c)
BHC8B	1.20	150	1.20	DRY	1,1	150	1,1,1,2		N=5	EQU084 - 2013	08/10/2012	67.22	6	
	2.00	150	1.50	DRY	1,2	150	2,2,2,2		N=8	EQU084 - 2013	08/10/2012	67.22	9	
	3.00	150	1.50	DRY	3,4	150	5,6,6,7		N=24	EQU084 - 2013	08/10/2012	67.22	27	
	4.00	150	1.50	DRY	4,8	150	10,10,10,10		N=40	EQU084 - 2013	08/10/2012	67.22	45	
	5.00	150	1.50	DRY	4,8	150	10,12,18,10+	260	N=58*	EQU084 - 2013	08/10/2012	67.22	65	
	7.20	146	5.50		8,17	150	34,66+	117	N=256*	EQU083-2013	13/07/2013	67.68	289	
	8.70	146	5.50		10,15	95	55,45	150	N=200*	EQU083-2013	13/07/2013	67.68	226	SPT(c)
	10.20	146	5.50		23,2	76	39,47,14+	158	N=190*	EQU083-2013	13/07/2013	67.68	214	SPT(c)
	11.70	146	5.50		12,13	95	30,28,30,12+	260	N=115*	EQU083-2013	13/07/2013	67.68	130	SPT(c)
	13.20	146	5.50	4.30	17,8	90	36,40,24+	200	N=150*	EQU083-2013	13/07/2013	67.68	169	SPT(c)
	14.70	146	5.50	4.20	25	68	100+	28	N=1071*	EQU083-2013	13/07/2013	67.68	1208	SPT(c)
	16.20	146	5.50	4.20	22,3	77	74,26+	135	N=222*	EQU083-2013	13/07/2013	67.68	250	SPT(c)
	17.70	146	5.50	4.30	19,6	85	47,50,3+	151	N=199*	EQU083-2013	13/07/2013	67.68	224	SPT(c)
BHC8B	19.20	146	5.50	5.30	15,10	115	20,35,45	225	N=133*	EQU083-2013	13/07/2013	67.68	150	SPT(c)

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4. Tests carried out using a split spoon sampler unless noted as SPT(c) (denotes use of solid cone method) in the comments column.
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STANDARD PENETRATION TEST SUMMARY TABLE

Exploratory Position ID	Depth (m)	Hole Dia (mm)	Casing Depth (m)	Water Depth (m)	Seating Drive		Test Drive			Hammer ID	Calibration Date	Energy Ratio (%)	N ₆₀	Comments
					Blows	Pen (mm)	Blows	R (mm)	Result					
BHC8C	1.20	150	0.00	DRY	1,2	150	3,4,5,5		N=17	EQU084-2012	28/09/2012	67.22	19	
	2.00	150	1.50	DRY	3,5	150	5,5,5,5		N=20	EQU084-2012	28/09/2012	67.22	22	
	3.00	150	1.50	DRY	4,7	150	13,15,22,0		N=50	EQU084-2012	28/09/2012	67.22	56	
	4.00	150	1.50	DRY	5,8	150	12,12,16,10+	230	N=65*	EQU084-2012	28/09/2012	67.22	73	
	5.90	146	4.50		10,15	135	20,35,45+	223	N=135*	EQU083-2013	13/07/2013	67.68	152	SPT(c)
	7.40	146	4.50		8,15	150	20,22,37,21+	265	N=113*	EQU083-2013	13/07/2013	67.68	127	
	8.90	146	4.50		23,2	76	68,32+	95	N=316*	EQU083-2013	13/07/2013	67.68	356	
	10.40	146	4.50		1,8	150	12,29,32,27+	267	N=112*	EQU083-2013	13/07/2013	67.68	126	
	11.90	146	4.50		24,1	76	30,45,25+	188	N=160*	EQU083-2013	13/07/2013	67.68	180	
	13.40	146	4.50		25	75	20,35,45+	224	N=134*	EQU083-2013	13/07/2013	67.68	151	SPT(c)
	14.70	146	4.50		20,5	83	50,50+	105	N=286*	EQU083-2013	13/07/2013	67.68	323	SPT(c)
	16.20	146	4.50		25	48	20,40,37,3+	228	N=132*	EQU083-2013	13/07/2013	67.68	149	SPT(c)
	17.70	146	4.50		17,8	110	20,40,37,3+	226	N=133*	EQU083-2013	13/07/2013	67.68	150	SPT(c)
	19.20	146	4.50		1,4	150	16,24,36,24+	260	N=115*	EQU083-2013	13/07/2013	67.68	130	SPT(c)
BHC8D	1.20	150	0.00	DRY	1,1	150	1,1,2,2		N=6	EQU084-2012	28/09/2012	67.22	7	
	2.00	150	1.50	DRY	4,7	150	8,10,8,9		N=35	EQU084-2012	28/09/2012	67.22	39	

Notes:

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STANDARD PENETRATION TEST SUMMARY TABLE

Exploratory Position ID	Depth (m)	Hole Dia (mm)	Casing Depth (m)	Water Depth (m)	Seating Drive		Test Drive			Hammer ID	Calibration Date	Energy Ratio (%)	N ₆₀	Comments
					Blows	Pen (mm)	Blows	R (mm)	Result					
BHC8D	3.00	150	1.50	2.55	4,7	150	8,10,15,17+	285	N=53*	EQU084-2012	28/09/2012	67.22	59	
	4.00	150	3.00	DRY	4,8	150	10,10,15,15		N=50	EQU084-2012	28/09/2012	67.22	56	
	4.50	146	4.50		1,3	150	5,8,13,16		N=42	EQU083-2013	13/07/2013	67.68	47	
	5.50	146	4.50		2,8	150	12,27,30,32		N=101	EQU083-2013	13/07/2013	67.68	114	
	7.00	146	4.50		8,15	150	30,30,25,15+	255	N=118*	EQU083-2013	13/07/2013	67.68	133	
	8.00	146	4.50		25	75	80+	20	N=1200*	EQU083-2013	13/07/2013	67.68	1354	
	8.80	146	4.50		25	75	25,40,25+	165	N=164*	EQU083-2013	13/07/2013	67.68	185	
	10.30	146	4.50		12,13	150	25,45,30+	188	N=160*	EQU083-2013	13/07/2013	67.68	180	
	11.80	146	4.50		25	75	25,40,35+	178	N=169*	EQU083-2013	13/07/2013	67.68	191	
	13.30	146	4.50		13,12	110	27,38,40+	159	N=198*	EQU083-2013	13/07/2013	67.68	223	
BHC9A	2.00	150	1.50	DRY	4,5	150	8,6,7,8		N=29	EQU084-2012	28/09/2012	67.22	32	
	3.00	150	1.50	DRY	3,4	150	7,9,5,6		N=27	EQU084-2012	28/09/2012	67.22	30	
	4.00	150	4.00	3.10	25	75	15,9,15,11+	228	N=66*	EQU084-2012	28/09/2012	67.22	74	
	4.70	150	4.00	DRY	25	75	50+	20	N=750*	EQU084-2012	28/09/2012	67.22	840	
	5.30	146	4.40		7,16	150	19,26,29,26+	270	N=111*	EQU089-2012	28/09/2012	61.46	114	
	6.30	146	4.40		11,13	150	21,32,47+	180	N=167*	EQU089-2012	28/09/2012	61.46	171	
	7.80	146	4.40		9,15	150	21,28,39,12+	240	N=125*	EQU089-2012	28/09/2012	61.46	128	

Notes:

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STANDARD PENETRATION TEST SUMMARY TABLE

Exploratory Position ID	Depth (m)	Hole Dia (mm)	Casing Depth (m)	Water Depth (m)	Seating Drive		Test Drive			Hammer ID	Calibration Date	Energy Ratio (%)	N ₆₀	Comments
					Blows	Pen (mm)	Blows	R (mm)	Result					
BHC9A	9.30	146	4.40		25	75	49,51+	110	N=273*	EQU089-2012	28/09/2012	61.46	280	
	10.80	146	9.10		25	15	57,43+	98	N=306*	EQU089-2012	28/09/2012	61.46	313	
	13.10	146	13.10		2,23	95	25,75+	105	N=286*	EQU089-2012	28/09/2012	61.46	293	
	14.60	146	13.10		4,20	150	24,43,30+	175	N=166*	EQU089-2012	28/09/2012	61.46	170	
	16.10	146	14.10		7,12	150	19,21,29,27		N=96	EQU089-2012	28/09/2012	61.46	98	
	17.30	146	14.10		19,6	85	33,45,22+	168	N=179*	EQU089-2012	28/09/2012	61.46	183	
	18.80	146	14.10		25	35	49,51+	115	N=261*	EQU089-2012	28/09/2012	61.46	267	
	20.30	146	14.10		25	40	56,44+	100	N=300*	EQU089-2012	28/09/2012	61.46	307	
BHC9B	1.20	150	0.00	DRY	1,0	150	1,1,1,1		N=4	EQU084-2012	28/09/2012	67.22	4	
	2.00	150	1.50	DRY	2,3	150	4,6,8,10		N=28	EQU084-2012	28/09/2012	67.22	31	
	3.00	150	1.50	DRY	3,7	150	8,11,11,12		N=42	EQU084-2012	28/09/2012	67.22	47	
	3.50	150	1.50	DRY	8,20	150	16,12,8,7		N=43	EQU084-2012	28/09/2012	67.22	48	
	4.50	150	4.20	3.50	4,7	150	10,40	150	N=100*	EQU084-2012	28/09/2012	67.22	112	
	5.20	150	4.20	2.40	25	75	50+	50	N=300*	EQU084-2012	28/09/2012	67.22	336	
	5.90	146	5.30		13,12	110	55,45+	95	N=316*	EQU089-2012	28/09/2012	61.46	324	
	6.90	146	5.30		15,10	90	47,53+	95	N=316*	EQU089-2012	28/09/2012	61.46	324	
	7.90	146	5.30		13,12	105	54,46	150	N=200*	EQU089-2012	28/09/2012	61.46	205	

Notes:

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Exploratory Position ID	Depth (m)	Hole Dia (mm)	Casing Depth (m)	Water Depth (m)	Seating Drive		Test Drive			Hammer ID	Calibration Date	Energy Ratio (%)	N ₆₀	Comments
					Blows	Pen (mm)	Blows	R (mm)	Result					
BHC9B	9.20	146	5.30		6,18	150	19,22,29,27		N=97	EQU089-2012	28/09/2012	61.46	99	
	10.70	146	5.30		19,6	150	29,53,18+	165	N=182*	EQU089-2012	28/09/2012	61.46	186	
	12.20	146	5.30		25	35	72,28+	95	N=316*	EQU089-2012	28/09/2012	61.46	324	
BHC9C	1.20	150	0.00	DRY	1,1	150	1,2,2,2		N=7	EQU084 - 2013	08/10/2012	67.22	8	
	2.00	150	1.50	DRY	6,10	150	10,12,20,8+	235	N=64*	EQU084 - 2013	08/10/2012	67.22	72	
	3.00	150	1.50	DRY	25	75	22,28	150	N=100*	EQU084 - 2013	08/10/2012	67.22	112	
	4.50	101	3.00		5,5	150	10,90+	140	N=214*	EQU 442	17/01/2013	60.15	215	SPT(c)
	5.30	101	3.00		6,10	150	15,85+	100	N=300*	EQU 442	17/01/2013	60.15	301	SPT(c)
	6.40	101	3.00		6,6	150	11,18,18,53+	240	N=125*	EQU 442	17/01/2013	60.15	125	SPT(c)
	8.40	101	3.00		25	75	100+	45	N=667*	EQU 442	17/01/2013	60.15	669	SPT(c)
	9.90	101	3.00		25	75	100+	70	N=429*	EQU 442	17/01/2013	60.15	430	SPT(c)
	11.40	101	3.00		25	75	90,10+	85	N=353*	EQU 442	17/01/2013	60.15	354	SPT(c)
	12.90	101	3.00		25	75	75,25+	80	N=375*	EQU 442	17/01/2013	60.15	376	SPT(c)
	14.40	101	3.00		25	25	37,63	150	N=200*	EQU 442	17/01/2013	60.15	200	SPT(c)
BHC9D	1.20	150	0.00	DRY	1,0	150	1,0,1,0		N=2	EQU084 - 2013	08/10/2012	67.22	2	
	3.00	150	1.50	DRY	6,19	150	50	75	N=200*	EQU084 - 2013	08/10/2012	67.22	224	

Notes:

1. Tests carried out in general accordance with BS EN ISO 22476-3:2005, including amendment A1 (2011).
2. Reported blows are for 75mm penetration unless indicated "+".
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4. Tests carried out using a split spoon sampler unless noted as SPT(c) (denotes use of solid cone method) in the comments column.
5. Entries in the water depth column reflects the measured water depth at time of test.

$$N_{60} = (\text{Measured hammer energy ratio} / 60) \times N \text{ value}$$

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STANDARD PENETRATION TEST SUMMARY TABLE

Exploratory Position ID	Depth (m)	Hole Dia (mm)	Casing Depth (m)	Water Depth (m)	Seating Drive		Test Drive			Hammer ID	Calibration Date	Energy Ratio (%)	N ₆₀	Comments
					Blows	Pen (mm)	Blows	R (mm)	Result					
BHC9D	3.25	150	1.50	2.80	25	75	50+	25	N=600*	EQU084 - 2013	08/10/2012	67.22	672	
	4.50	101	3.10		25	75	100+	50	N=600*	EQU 442	17/01/2013	60.15	602	SPT(c)
	6.00	101	3.10		4,4	150	6,15,79+	169	N=178*	EQU 442	17/01/2013	60.15	178	SPT(c)
	7.50	146	3.10		25	75	100+	30	N=1000*	EQU 442	17/01/2013	60.15	1002	SPT(c)
	8.70	101	3.10		25	75	100+	30	N=1000*	EQU 442	17/01/2013	60.15	1002	SPT(c)
	11.50	101	4.00		25	75	100+	70	N=429*	EQU 442	17/01/2013	60.15	430	SPT(c)
	13.00	101	4.00		7,18	150	100+	40	N=750*	EQU 442	17/01/2013	60.15	752	SPT(c)
	15.00	101	4.00		19,6	150	100+	30	N=1000*	EQU 442	17/01/2013	60.15	1002	SPT(c)
	16.50	101	4.00		11,11	150	15,16,69+	166	N=181*	EQU 442	17/01/2013	60.15	181	SPT(c)
	18.00	101	4.00		25	75	100+	25	N=1200*	EQU 442	17/01/2013	60.15	1203	SPT(c)
	19.50	101	4.00		25	75	100+	20	N=1500*	EQU 442	17/01/2013	60.15	1504	SPT(c)
BHC10	1.20	150	0.00	DRY	1,2	150	3,3,4,4		N=14	EQU084 - 2013	08/10/2012	67.22	16	
	2.00	150	1.50	DRY	1,2	150	2,2,2,3		N=9	EQU084 - 2013	08/10/2012	67.22	10	
	4.00	150	1.50	DRY	25	75	50+	40	N=375*	EQU084 - 2013	08/10/2012	67.22	420	
	5.00	146	4.00		5,9	150	12,16,19,25		N=72	EQU089-2012	28/09/2012	61.46	74	
	6.00	146	4.00		8,14	150	19,26,33,22+	250	N=120*	EQU089-2012	28/09/2012	61.46	123	
	7.00	146	4.00		6,12	150	17,22,27,29		N=95	EQU089-2012	28/09/2012	61.46	97	

Notes:

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4. Tests carried out using a split spoon sampler unless noted as SPT(c) (denotes use of solid cone method) in the comments column.
5. Entries in the water depth column reflects the measured water depth at time of test.

$$N_{60} = (\text{Measured hammer energy ratio} / 60) \times N \text{ value}$$

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STANDARD PENETRATION TEST SUMMARY TABLE

Exploratory Position ID	Depth (m)	Hole Dia (mm)	Casing Depth (m)	Water Depth (m)	Seating Drive		Test Drive			Hammer ID	Calibration Date	Energy Ratio (%)	N ₆₀	Comments
					Blows	Pen (mm)	Blows	R (mm)	Result					
BHC10	8.50	146	4.00		6,11	150	14,21,26,32		N=93	EQU089-2012	28/09/2012	61.46	95	
	10.00	146	4.00		8,14	150	18,26,29,27+	245	N=122*	EQU089-2012	28/09/2012	61.46	125	
BHC11	2.00	146			25	75	25,65+	90	N=300*	EQU 442	17/01/2013	60.15	301	SPT(c)
	3.00	146			12,13	150	60,40+	80	N=375*	EQU 442	17/01/2013	60.15	376	SPT(c)
	4.50	146			25	75	100+	70	N=429*	EQU 442	17/01/2013	60.15	430	SPT(c)
	5.50	146			25	75	100+	50	N=600*	EQU 442	17/01/2013	60.15	602	SPT(c)
	7.00	146			25	75	100+	40	N=750*	EQU 442	17/01/2013	60.15	752	SPT(c)
	8.50	146			25	75	100+	30	N=1000*	EQU 442	17/01/2013	60.15	1002	SPT(c)
	10.00	146			25	75	100+	30	N=1000*	EQU 442	17/01/2013	60.15	1002	SPT(c)
BHC12A	2.00	150	2.00	DRY	1,2	150	2,2,3,3		N=10	EQU084-2012	28/09/2012	67.22	11	
	4.00	150	4.00	DRY	1,2	150	2,3,2,3		N=10	EQU084-2012	28/09/2012	67.22	11	
	6.50	150	6.00	DRY	3,5	150	9,10,10,12		N=41	EQU084-2012	28/09/2012	67.22	46	
	8.00	150	7.50	DRY	4,7	150	11,11,10,7		N=39	EQU084-2012	28/09/2012	67.22	44	
	9.50	150	9.00	1.50	6,10	150	16,20,14+,0		N=58*	EQU084-2012	28/09/2012	67.22	65	
	11.00	101	10.50		9,10	150	10,15,15,21		N=61	EQU 442	17/01/2013	60.15	61	SPT(c)
	12.00	101	10.50		25,0	150	100+,0+,0+,0+	70	N=429*	EQU 442	17/01/2013	60.15	430	SPT(c)

Notes:

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3. Where full test drive was not achieved, actual penetration (R) and extrapolated N value (N*) reported.
4. Tests carried out using a split spoon sampler unless noted as SPT(c) (denotes use of solid cone method) in the comments column.
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Exploratory Position ID	Depth (m)	Hole Dia (mm)	Casing Depth (m)	Water Depth (m)	Seating Drive		Test Drive			Hammer ID	Calibration Date	Energy Ratio (%)	N ₆₀	Comments
					Blows	Pen (mm)	Blows	R (mm)	Result					
BHC12A	13.50	101	10.50		25,0	150	100+,0+,0+,0+	70	N=429*	EQU 442	17/01/2013	60.15	430	SPT(c)
	15.00	101	10.50		25,0	150	100+,0+,0+,0+	40	N=750*	EQU 442	17/01/2013	60.15	752	SPT(c)
BHC12B	2.00	150	2.00	DRY	1,2	150	2,2,2,3		N=9	EQU084-2012	28/09/2012	67.22	10	
	3.00	150	3.00	DRY	1,2	150	2,2,3,4		N=11	EQU084-2012	28/09/2012	67.22	12	
	4.00	150	3.00	DRY	2,2	150	3,4,5,6		N=18	EQU084-2012	28/09/2012	67.22	20	
	5.00	150	3.00	4.70	4,5	150	6,6,6,6		N=24	EQU084-2012	28/09/2012	67.22	27	
	6.50	150	6.00	DRY	4,5	150	7,14,17,19		N=57	EQU084-2012	28/09/2012	67.22	64	
	7.50	150	7.50	DRY	5,6	150	8,10,14,18		N=50	EQU084-2012	28/09/2012	67.22	56	
	9.00	150	7.50		5,7	150	10,12,14,14+	270	N=56*	EQU084-2012	28/09/2012	67.22	63	
	10.50	101	9.00		16,9	150	15,22,35,28		N=100	EQU 442	17/01/2013	60.15	100	SPT(c)
	12.00	101	9.00		2,13	150	12,100+,0+,0+	145	N=232*	EQU 442	17/01/2013	60.15	233	SPT(c)
	13.50	146	12.00		24	75	26,24,24,23		N=97	EQU 442	17/01/2013	60.15	97	SPT(c)
	15.00	146	12.00		2,23	150	30,31,39+	220	N=136*	EQU 442	17/01/2013	60.15	136	SPT(c)
	16.50	146	12.00		25	75	100+	65	N=462*	EQU 442	17/01/2013	60.15	463	SPT(c)
	18.00	146	12.00		25	50	100+	45	N=667*	EQU 442	17/01/2013	60.15	669	SPT(c)
	19.50	146	12.00		15,10	125	27,73+	90	N=333*	EQU 442	17/01/2013	60.15	334	SPT(c)

Notes:

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4. Tests carried out using a split spoon sampler unless noted as SPT(c) (denotes use of solid cone method) in the comments column.
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Exploratory Position ID	Depth (m)	Hole Dia (mm)	Casing Depth (m)	Water Depth (m)	Seating Drive		Test Drive			Hammer ID	Calibration Date	Energy Ratio (%)	N ₆₀	Comments
					Blows	Pen (mm)	Blows	R (mm)	Result					
BHC12C	2.00	150	1.50	DRY	2,2	150	2,3,3,3		N=11	EQU084-2012	28/09/2012	67.22	12	
	3.00	150	3.00	2.80	3,3	150	5,6,6,7		N=24	EQU084-2012	28/09/2012	67.22	27	
	4.00	150	4.00	DRY	4,4	150	7,7,9,10		N=33	EQU084-2012	28/09/2012	67.22	37	
	5.00	150	4.00	2.50	4,5	150	6,8,8,10		N=32	EQU084-2012	28/09/2012	67.22	36	
	6.50	150	4.50	DRY	4,5	150	6,9,10,10		N=35	EQU084-2012	28/09/2012	67.22	39	
	8.00	150	6.00	DRY	5,9	150	14,16,20	225	N=67*	EQU084-2012	28/09/2012	67.22	75	
	9.50	150	6.00	DRY	6,12	150	12,15,23	225	N=67*	EQU084-2012	28/09/2012	67.22	75	
	10.50	101	10.00		6,9	150	6,3,4,4		N=17	EQU 442	17/01/2013	60.15	17	SPT(c)
	11.50	101	10.00		25	75	30,30,40+	200	N=150*	EQU 442	17/01/2013	60.15	150	SPT(c)
	13.00	101	10.00		25	75	28,31,31,10+	225	N=133*	EQU 442	17/01/2013	60.15	133	SPT(c)
	14.50	101	10.00		25	75	34,41,25+	160	N=188*	EQU 442	17/01/2013	60.15	188	SPT(c)
	16.00	101	10.00		25	75	72,28+	90	N=333*	EQU 442	17/01/2013	60.15	334	SPT(c)
	17.50	146	16.00		25	25	100+	60	N=500*	EQU 442	17/01/2013	60.15	501	SPT(c)
	19.00	101	10.00		25	75	100+	60	N=500*	EQU 442	17/01/2013	60.15	501	SPT(c)
	20.00	101	16.00		15,10	150	21,79+	130	N=231*	EQU 442	17/01/2013	60.15	232	SPT(c)
BHC12D	2.00	150	1.50	1.20	3,5	150	6,6,7,11		N=30	EQU084 - 2013	08/10/2012	67.22	34	
	3.00	150	3.00	2.60	4,7	150	8,8,9,12		N=37	EQU084 - 2013	08/10/2012	67.22	41	

Notes:

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STANDARD PENETRATION TEST SUMMARY TABLE

Exploratory Position ID	Depth (m)	Hole Dia (mm)	Casing Depth (m)	Water Depth (m)	Seating Drive		Test Drive			Hammer ID	Calibration Date	Energy Ratio (%)	N ₆₀	Comments
					Blows	Pen (mm)	Blows	R (mm)	Result					
BHC12D	4.00	150	3.00	DRY	6,9	150	11,13,12,11		N=47	EQU084 - 2013	08/10/2012	67.22	53	
	5.00	150	3.00	3.70	5,6	150	7,8,10,15		N=40	EQU084 - 2013	08/10/2012	67.22	45	
	6.50	150	4.50	DRY	4,5	150	9,9,12,16		N=46	EQU084 - 2013	08/10/2012	67.22	52	
	7.50	150	4.50	DRY	5,9	150	10,12,16,16		N=54	EQU084 - 2013	08/10/2012	67.22	60	
	8.00	101	8.00		16,9	150	22,22,41,15		N=100	EQU 442	17/01/2013	60.15	100	SPT(c)
	9.00	101	8.00		25	75	29,71+	100	N=300*	EQU 442	17/01/2013	60.15	301	SPT(c)
	10.00	101	8.00		25	75	41,47,12+	160	N=188*	EQU 442	17/01/2013	60.15	188	SPT(c)
	12.00	101	10.00		25	75	60,40	150	N=200*	EQU 442	17/01/2013	60.15	200	SPT(c)
	13.50	101	10.00		25	75	25,30,38,7		N=100	EQU 442	17/01/2013	60.15	100	SPT(c)
	15.00	101	10.00		25	75	70,30+	80	N=375*	EQU 442	17/01/2013	60.15	376	SPT(c)
BHC13	1.20	150	0.00	DRY	2,2	150	2,3,5,6		N=16	EQU084 - 2013	08/10/2012	67.22	18	
	2.00	150	1.50	DRY	4,9	150	8,8,7,9		N=32	EQU084 - 2013	08/10/2012	67.22	36	
	3.00	150	1.50	DRY	4,5	150	5,8,11,11		N=35	EQU084 - 2013	08/10/2012	67.22	39	
	4.00	150	1.50	DRY	5,8	150	8,9,9,11		N=37	EQU084 - 2013	08/10/2012	67.22	41	
	5.00	150	1.50	DRY	4,6	150	7,9,9,15		N=40	EQU084 - 2013	08/10/2012	67.22	45	
	6.50	150	1.50	DRY	4,6	150	6,8,10,8		N=32	EQU084 - 2013	08/10/2012	67.22	36	
	8.00	150	1.50	DRY	5,6	150	7,9,11,18		N=45	EQU084 - 2013	08/10/2012	67.22	50	

Notes:

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 STRUCTURAL SOILS The Old School Stillhouse Lane Bedminster Bristol BS3 4EB	Compiled By			Date	Contract Ref: 727635
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STANDARD PENETRATION TEST SUMMARY TABLE

Exploratory Position ID	Depth (m)	Hole Dia (mm)	Casing Depth (m)	Water Depth (m)	Seating Drive		Test Drive			Hammer ID	Calibration Date	Energy Ratio (%)	N ₆₀	Comments
					Blows	Pen (mm)	Blows	R (mm)	Result					
BHC13	8.50	150	1.50	DRY	8,10	150	14,16,20	225	N=67*	EQU084 - 2013	08/10/2012	67.22	75	
BHC14	1.20	150	0.00	DRY	2,2	150	3,3,4,4		N=14	EQU084 - 2013	08/10/2012	67.22	16	
	3.00	150	1.50	DRY	4,4	150	6,7,8,10		N=31	EQU084 - 2013	08/10/2012	67.22	35	
	4.00	150	1.50	DRY	3,5	150	6,8,8,11		N=33	EQU084 - 2013	08/10/2012	67.22	37	
	5.00	150	1.50	DRY	4,5	150	3,7,11,15		N=36	EQU084 - 2013	08/10/2012	67.22	40	
	6.50	150	1.50	DRY	2,3	150	3,5,6,9		N=23	EQU084 - 2013	08/10/2012	67.22	26	
	8.00	150	1.50	DRY	3,4	150	5,8,10,11		N=34	EQU084 - 2013	08/10/2012	67.22	38	
	8.70	150	1.50	DRY	5,7	150	8,8,7,8		N=31	EQU084 - 2013	08/10/2012	67.22	35	
	9.20	150	9.00	DRY	3,5	150	7,6,7,7		N=27	EQU084 - 2013	08/10/2012	67.22	30	
	10.50	150	10.50	DRY	1,0	150	1,1,1,2		N=5	EQU084 - 2013	08/10/2012	67.22	6	
	12.00	150	12.00	2.80	3,4	150	3,4,6,8		N=21	EQU084 - 2013	08/10/2012	67.22	24	
	13.50	150	13.50	2.80	5,9	150	8,14,16,12+	285	N=53*	EQU084 - 2013	08/10/2012	67.22	59	
	15.00	150	15.00	2.80	6,7	150	11,14,17,8+	245	N=61*	EQU084 - 2013	08/10/2012	67.22	68	
	16.50	120	6.50		6,11	150	18,21,27,23		N=89	EQU089-2012	28/09/2012	61.46	91	
	17.50	120	16.50		6,9	150	18,20,24,23		N=85	EQU089-2012	28/09/2012	61.46	87	
	20.30	120	19.00		9,13	150	18,23,27,29		N=97	EQU089-2012	28/09/2012	61.46	99	
	21.30	120	19.00		11,13	150	19,25,27,29+	255	N=118*	EQU089-2012	28/09/2012	61.46	121	

Notes:

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STANDARD PENETRATION TEST SUMMARY TABLE

Exploratory Position ID	Depth (m)	Hole Dia (mm)	Casing Depth (m)	Water Depth (m)	Seating Drive		Test Drive			Hammer ID	Calibration Date	Energy Ratio (%)	N ₆₀	Comments
					Blows	Pen (mm)	Blows	R (mm)	Result					
BHC14	22.80	120	19.00		7,98	96	9,14,21,23		N=67	EQU089-2012	28/09/2012	61.46	69	
BHC-LD1	1.20	150	0.00	DRY	1,0	150	1,0,0,0		N=1	EQU084 - 2013	08/10/2012	67.22	1	
	3.00	150	3.00	DRY	1,0	150	1,0,0,0		N=1	EQU084 - 2013	08/10/2012	67.22	1	
	4.00	150	4.00	3.50	1,0	150	1,0,1,2		N=4	EQU084 - 2013	08/10/2012	67.22	4	
	5.00	150	5.00	DRY	1,0	150	0,1,0,0		N=1	EQU084 - 2013	08/10/2012	67.22	1	
	6.50	150	6.00	DRY	1,0	150	0,1,0,0		N=1	EQU084 - 2013	08/10/2012	67.22	1	
	9.50	150	9.00	8.00	1,1	150	2,2,2,2		N=8	EQU084 - 2013	08/10/2012	67.22	9	
	11.50	150	12.00	9.50	1,0	150	1,1,2,2		N=6	EQU084 - 2013	08/10/2012	67.22	7	
	12.50	150	12.00	9.50	1,0	150	1,0,1,1		N=3	EQU084 - 2013	08/10/2012	67.22	3	
	14.00	150	13.50	DRY	1,0	150	1,1,1,1		N=4	EQU084 - 2013	08/10/2012	67.22	4	
	15.50	150	15.00	10.30	1,0	150	1,1,1,2		N=5	EQU084 - 2013	08/10/2012	67.22	6	
	17.00	150	16.50	10.50	1,0	150	1,1,1,2		N=5	EQU084 - 2013	08/10/2012	67.22	6	
	18.50	150	18.00	11.10	1,0	150	0,1,0,1		N=2	EQU084 - 2013	08/10/2012	67.22	2	
	20.00	150	19.50	8.50	1,1	150	2,3,2,3		N=10	EQU084 - 2013	08/10/2012	67.22	11	
	22.20	150	22.00	10.10	25	75	50+	5	N=3000*	EQU084 - 2013	08/10/2012	67.22	3361	
	23.40	120	22.00		7,18	90	37,44,19+	160	N=188*	EQU089-2012	28/09/2012	61.46	193	
	24.40	120	22.00		25	15	51,49+	100	N=300*	EQU089-2012	28/09/2012	61.46	307	

Notes:

1. Tests carried out in general accordance with BS EN ISO 22476-3:2005, including amendment A1 (2011).
2. Reported blows are for 75mm penetration unless indicated "+".
3. Where full test drive was not achieved, actual penetration (R) and extrapolated N value (N*) reported.
4. Tests carried out using a split spoon sampler unless noted as SPT(c) (denotes use of solid cone method) in the comments column.
5. Entries in the water depth column reflects the measured water depth at time of test.

$$N_{60} = (\text{Measured hammer energy ratio} / 60) \times N \text{ value}$$

 STRUCTURAL SOILS The Old School Stillhouse Lane Bedminster Bristol BS3 4EB	Compiled By		Date	Contract Ref: 727635
	[REDACTED]		15.8.13	
	Contract: Hinkley to Seabank 400kV Connection			Page 24 of 28 [REDACTED]


STANDARD PENETRATION TEST SUMMARY TABLE

Exploratory Position ID	Depth (m)	Hole Dia (mm)	Casing Depth (m)	Water Depth (m)	Seating Drive		Test Drive			Hammer ID	Calibration Date	Energy Ratio (%)	N ₆₀	Comments
					Blows	Pen (mm)	Blows	R (mm)	Result					
BHC-LD1	25.40	120	22.00		25	15	57,43+	95	N=316*	EQU089-2012	28/09/2012	61.46	324	
	26.90	120	22.00		25	20	63,37+	98	N=306*	EQU089-2012	28/09/2012	61.46	313	
	28.10	120	22.00		25	18	61,39+	100	N=300*	EQU089-2012	28/09/2012	61.46	307	
BHC-LD23	1.20	150	0.00	DRY	1,0	150	1,0,0,0		N=1	EQU084 - 2013	08/10/2012	67.22	1	
	2.00	150	2.00	DRY	1,0	150	1,0,0,0		N=1	EQU084 - 2013	08/10/2012	67.22	1	
	3.50	150	3.00	DRY	1,0	150	1,0,0,0		N=1	EQU084 - 2013	08/10/2012	67.22	1	
	4.50	150	4.00	DRY	1,0	150	1,0,0,0		N=1	EQU084 - 2013	08/10/2012	67.22	1	
	5.00	150	5.00	DRY	1,0	150	1,0,0,0		N=1	EQU084 - 2013	08/10/2012	67.22	1	
	7.00	150	7.00	DRY	1,0	150	1,0,1,0		N=2	EQU084 - 2013	08/10/2012	67.22	2	
	8.00	150	8.50	DRY	1,0	150	1,0,1,1		N=3	EQU084 - 2013	08/10/2012	67.22	3	
	11.50	150	11.00	DRY	1,2	150	2,2,2,2		N=8	EQU084 - 2013	08/10/2012	67.22	9	
	13.00	150	13.00	DRY	1,1	150	1,1,1,2		N=5	EQU084 - 2013	08/10/2012	67.22	6	
	14.50	150	13.00	DRY	1,1	150	2,2,2,2		N=8	EQU084 - 2013	08/10/2012	67.22	9	
	16.00	150	16.00	DRY	1,0	150	1,0,0,1		N=2	EQU084 - 2013	08/10/2012	67.22	2	
	19.50	150	19.50	14.20	1,2	150	2,2,2,3		N=9	EQU084 - 2013	08/10/2012	67.22	10	
	22.50	150	22.50	10.20	3,4	150	3,3,4,3		N=13	EQU084 - 2013	08/10/2012	67.22	15	
	27.00	150	27.00	12.20	5,8	150	10,14,18,20		N=62	EQU084 - 2013	08/10/2012	67.22	69	

Notes:

1. Tests carried out in general accordance with BS EN ISO 22476-3:2005, including amendment A1 (2011).
2. Reported blows are for 75mm penetration unless indicated "+".
3. Where full test drive was not achieved, actual penetration (R) and extrapolated N value (N*) reported.
4. Tests carried out using a split spoon sampler unless noted as SPT(c) (denotes use of solid cone method) in the comments column.
5. Entries in the water depth column reflects the measured water depth at time of test.

$$N_{60} = (\text{Measured hammer energy ratio} / 60) \times N \text{ value}$$

 STRUCTURAL SOILS The Old School Stillhouse Lane Bedminster Bristol BS3 4EB	Compiled By			Date	Contract Ref: 727635
	[REDACTED]			15.8.13	
	Contract: Hinkley to Seabank 400kV Connection				Page 25 of 28


STANDARD PENETRATION TEST SUMMARY TABLE

Exploratory Position ID	Depth (m)	Hole Dia (mm)	Casing Depth (m)	Water Depth (m)	Seating Drive		Test Drive			Hammer ID	Calibration Date	Energy Ratio (%)	N ₆₀	Comments
					Blows	Pen (mm)	Blows	R (mm)	Result					
BHC-LD23	27.60	150	27.00	12.10	25	75	50+	25	N=600*	EQU084 - 2013	08/10/2012	67.22	672	
	27.65	150	27.60	12.10	25	75	50+	25	N=600*	EQU084 - 2013	08/10/2012	67.22	672	
	28.00	120	28.00		9,16	95	26,34,40+	185	N=162*	EQU089-2012	28/09/2012	61.46	166	
	29.30	120	29.00		25	40	27,38,35+	183	N=164*	EQU089-2012	28/09/2012	61.46	168	
	30.40	120	29.00		25	27	34,47,19+	167	N=180*	EQU089-2012	28/09/2012	61.46	184	
	31.90	120	28.00		25	18	47,53+	90	N=333*	EQU089-2012	28/09/2012	61.46	341	
BHC-LD39	1.20	150	0.00	DRY	1,2	150	2,3,3,4		N=12	EQU084 - 2013	08/10/2012	67.22	13	
	3.00	1.5	1.50	DRY	1,2	150	2,2,2,3		N=9	EQU084 - 2013	08/10/2012	67.22	10	
	5.00	150	1.50	DRY	4,5	150	5,7,8,9		N=29	EQU084 - 2013	08/10/2012	67.22	32	
	7.10	150	1.50	DRY	25	75	50	75	N=200*	EQU084 - 2013	08/10/2012	67.22	224	
	8.20	120	7.00		8,17	135	33,17+	95	N=158*	EQU089-2012	28/09/2012	61.46	162	
	9.70	120	7.00		6,19	140	28,22+	108	N=139*					
	10.80	120	7.00		25	55	50+	68	N=221*	EQU089-2012	28/09/2012	61.46	226	
	12.30	120	7.00		25	55	50+	55	N=273*	EQU089-2012	28/09/2012	61.46	280	
	13.80	120	7.00		18,7	85	50+	68	N=221*	EQU089-2012	28/09/2012	61.46	226	
	15.30	120	7.00		25	70	50+	65	N=231*	EQU089-2012	28/09/2012	61.46	237	
	16.80	120	7.00		25	45	50+	60	N=250*	EQU089-2012	28/09/2012	61.46	256	

Notes:

1. Tests carried out in general accordance with BS EN ISO 22476-3:2005, including amendment A1 (2011).
2. Reported blows are for 75mm penetration unless indicated "+".
3. Where full test drive was not achieved, actual penetration (R) and extrapolated N value (N*) reported.
4. Tests carried out using a split spoon sampler unless noted as SPT(c) (denotes use of solid cone method) in the comments column.
5. Entries in the water depth column reflects the measured water depth at time of test.

$$N_{60} = (\text{Measured hammer energy ratio} / 60) \times N \text{ value}$$

 STRUCTURAL SOILS The Old School Stillhouse Lane Bedminster Bristol BS3 4EB	Compiled By			Date	Contract Ref: 727635
	[REDACTED]			15.8.13	
	Contract: Hinkley to Seabank 400kV Connection				Page 26 of 28


STANDARD PENETRATION TEST SUMMARY TABLE

Exploratory Position ID	Depth (m)	Hole Dia (mm)	Casing Depth (m)	Water Depth (m)	Seating Drive		Test Drive			Hammer ID	Calibration Date	Energy Ratio (%)	N ₆₀	Comments
					Blows	Pen (mm)	Blows	R (mm)	Result					
BHC-LD39	18.30	120	7.00		25	65	50+	63	N=139*	EQU089-2012	28/09/2012	61.46	142	
BHVQ43R	1.20	150	0.00	DRY	1,0	150	1,1,1,1		N=4	EQU084 - 2013	08/10/2012	67.22	4	
	2.00	150	1.50	DRY	1,0	150	0,1,0,1		N=2	EQU084 - 2013	08/10/2012	67.22	2	
	3.50	150	3.00	DRY	1,0	150	0,0,1,0		N=1	EQU084 - 2013	08/10/2012	67.22	1	
	4.50	150	4.00	DRY	1,0	150	0,0,1,0		N=1	EQU084 - 2013	08/10/2012	67.22	1	
	5.00	150	4.50	DRY	1,2	150	3,3,3,4		N=13	EQU084 - 2013	08/10/2012	67.22	15	
	6.50	150	6.30	3.00	1,1	150	1,1,1,0		N=3	EQU084 - 2013	08/10/2012	67.22	3	
	8.00	150	7.50	2.60	2,3	150	5,4,4,4		N=17	EQU084 - 2013	08/10/2012	67.22	19	
	9.50	150	9.00	3.50	2,2	150	3,3,4,4		N=14	EQU084 - 2013	08/10/2012	67.22	16	
	11.00	150	10.50	3.80	1,1	150	2,2,2,3		N=9	EQU084 - 2013	08/10/2012	67.22	10	
	12.50	150	12.00	4.00	1,2	150	2,3,3,3		N=11	EQU084 - 2013	08/10/2012	67.22	12	
	14.00	150	13.50	4.30	1,1	150	2,1,2,3		N=8	EQU084 - 2013	08/10/2012	67.22	9	
	15.50	150	15.00	DRY	1,2	150	2,2,3,3		N=10	EQU084 - 2013	08/10/2012	67.22	11	
	17.00	150	16.50	6.10	1,0	150	1,1,2,2		N=6	EQU084 - 2013	08/10/2012	67.22	7	
	18.50	150	18.00	DRY	4,5	150	7,8,12,17		N=44	EQU084 - 2013	08/10/2012	67.22	49	
	20.10	150	19.50	2.80	25	75	18,32	150	N=100*	EQU084 - 2013	08/10/2012	67.22	112	
	21.30	120	20.00		4,9	150	12,19,23,25		N=79	EQU089-2012	28/09/2012	61.46	81	

Notes:

1. Tests carried out in general accordance with BS EN ISO 22476-3:2005, including amendment A1 (2011).
2. Reported blows are for 75mm penetration unless indicated "+".
3. Where full test drive was not achieved, actual penetration (R) and extrapolated N value (N*) reported.
4. Tests carried out using a split spoon sampler unless noted as SPT(c) (denotes use of solid cone method) in the comments column.
5. Entries in the water depth column reflects the measured water depth at time of test.

$$N_{60} = (\text{Measured hammer energy ratio} / 60) \times N \text{ value}$$

 STRUCTURAL SOILS The Old School Stillhouse Lane Bedminster Bristol BS3 4EB	Compiled By		Date	Contract Ref: 727635
	[REDACTED]		15.8.13	
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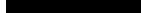

STANDARD PENETRATION TEST SUMMARY TABLE

Exploratory Position ID	Depth (m)	Hole Dia (mm)	Casing Depth (m)	Water Depth (m)	Seating Drive		Test Drive			Hammer ID	Calibration Date	Energy Ratio (%)	N ₆₀	Comments
					Blows	Pen (mm)	Blows	R (mm)	Result					
BHVQ43R	22.30	120	21.00		7,14	150	19,23,29,29+	245	N=122*	EQU089-2012	28/09/2012	61.46	125	
	23.30	120	22.00		9,16	150	22,30,35,15+	240	N=128*	EQU089-2012	28/09/2012	61.46	131	
	24.80	120	22.00		12,13	90	27,32,41+	185	N=162*	EQU089-2012	28/09/2012	61.46	166	
	26.30	120	22.00		16,9	85	24,33,43+	177	N=169*	EQU089-2012	28/09/2012	61.46	173	

Notes:

- 1. Tests carried out in general accordance with BS EN ISO 22476-3:2005, including amendment A1 (2011).
- 2. Reported blows are for 75mm penetration unless indicated "+".
- 3. Where full test drive was not achieved, actual penetration (R) and extrapolated N value (N*) reported.
- 4. Tests carried out using a split spoon sampler unless noted as SPT(c) (denotes use of solid cone method) in the comments column.
- 5. Entries in the water depth column reflects the measured water depth at time of test.

N₆₀ = (Measured hammer energy ratio / 60) x N value

	STRUCTURAL SOILS		Compiled By		Date	Contract Ref:	
	The Old School			ADINGLE	15.8.13	727635	
	Stillhouse Lane						
Bedminster		Contract: 				Page	
Bristol BS3 4EB		Hinkley to Seabank 400kV Connection				28	of 28 

SPT Calibration Report

Hammer Energy Measurement Report

Type of Hammer SPT HAMMER
 Client STRUCTURAL SOILS
 Test No EQU822
 Test Depth (m) 10.50
 Date of Test 13 March 2013
 Valid until 13 March 2014
 Hammer ID EQU251

Mass of the hammer $m = 63.5\text{kg}$
 Falling height $h = 0.76\text{m}$
 $E_{\text{theor}} = m \times g \times h = 473\text{J}$

Characteristics of the instrumented rod

Diameter $d_r = 0.052\text{m}$
 Length of the instrumented rod 0.558m
 Area $A = 11.61\text{cm}^2$
 Modulus $E_s = 206843\text{MPa}$

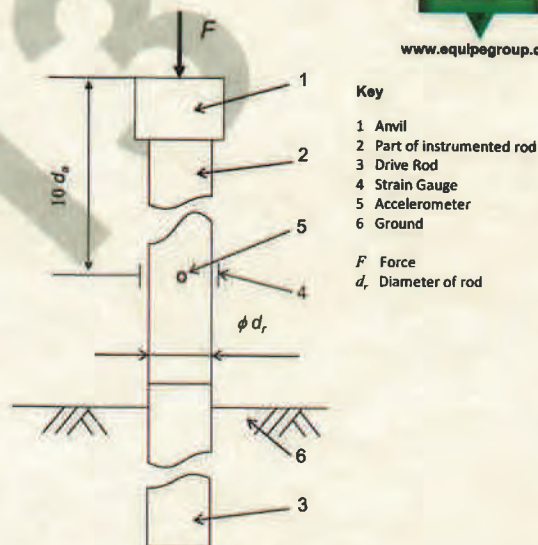
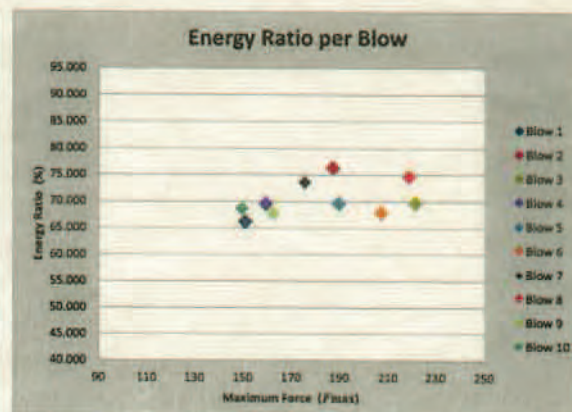
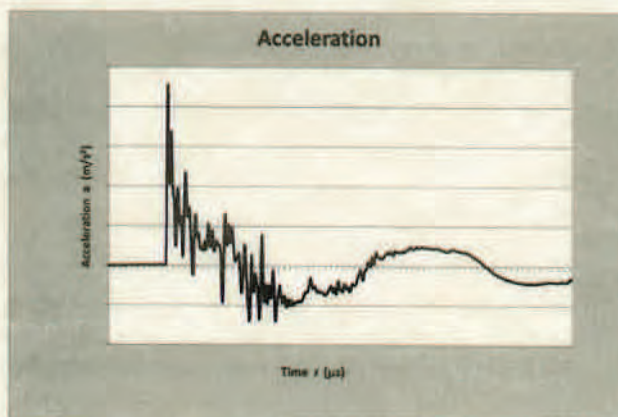
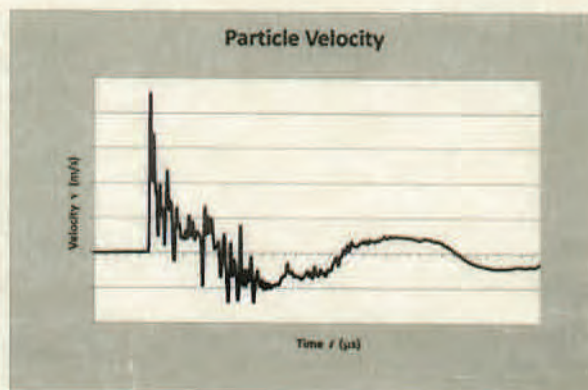


Fig. B.1 and B.2 BS EN ISO 22476-3 : 2005 + A1 : 2011



Observations:
 1.

$E_{\text{meas}} = 0.331\text{ kN-m}$
 $E_{\text{theor}} = 0.473\text{ kN-m}$

$$\text{Energy Ratio} = \frac{E_{\text{meas}}}{E_{\text{theor}}} = 70.02\%$$

Equipe SPT Analyzer Operators: KS

Date 22/03/2013



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SPT Calibration Report

Hammer Energy Measurement Report

Type of Hammer SPT HAMMER
 Client STRUCTURAL SOILS
 Test No EQU707
 Test Depth (m) 7.87
 Date of Test **28 September 2012**
 Valid until **28 September 2013**
 Hammer ID **EQU089**

Mass of the hammer $m = 63.5\text{kg}$
 Falling height $h = 0.76\text{m}$
 $E_{\text{theor}} = m \times g \times h = 473\text{J}$

Characteristics of the instrumented rod

Diameter $d_r = 0.052\text{ m}$
 Length of the instrumented rod 0.558 m
 Area $A = 11.61\text{ cm}^2$
 Modulus $E_s = 206843\text{ MPa}$

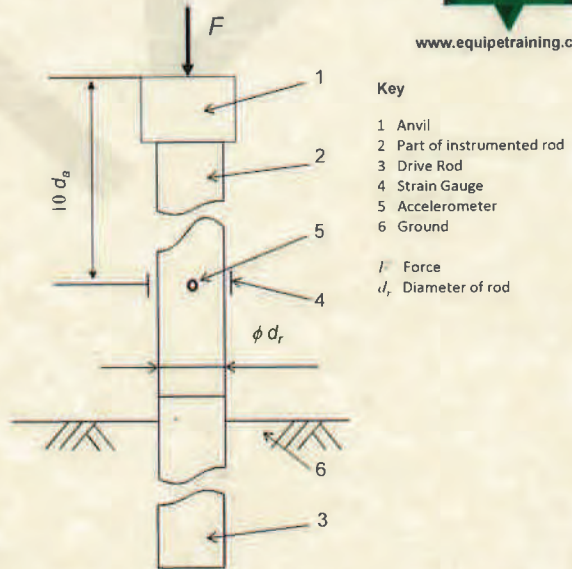
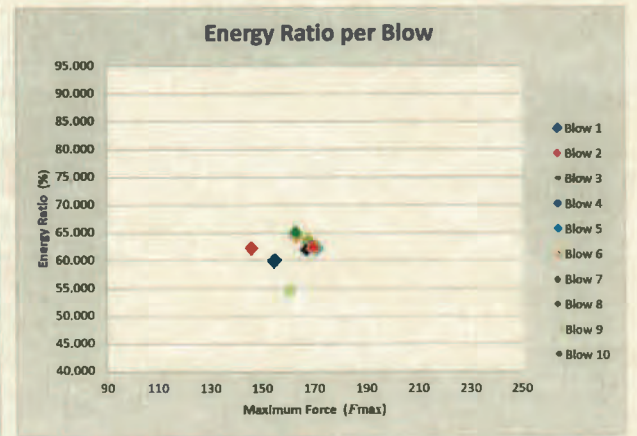
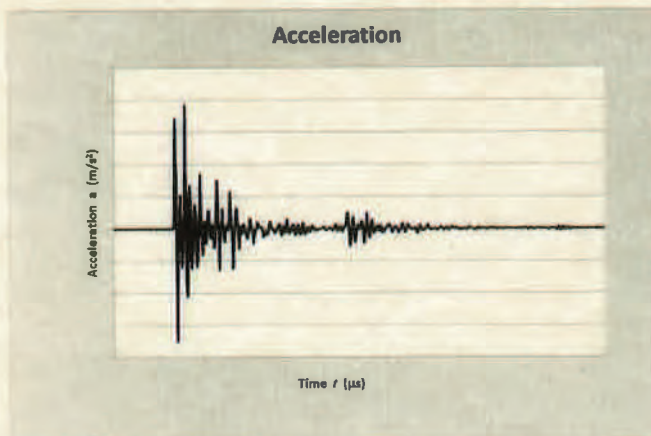
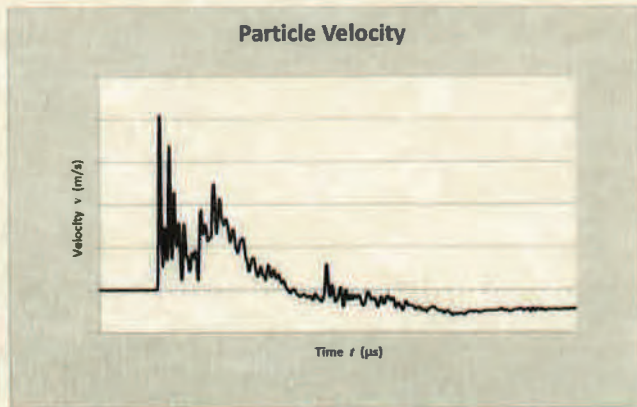


Fig. B.1 and B.2 BS EN ISO 22476-3 2005



Observations:

1.

$E_{\text{meas}} = 0.291\text{ kN-m}$

$E_{\text{theor}} = 0.473\text{ kN-m}$

$$\text{Energy Ratio} = \frac{E_{\text{meas}}}{E_{\text{theor}}} = 61.46\%$$

Equipe SPT Analyzer Operators:

JML

Date

08/10/2012



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SPT Calibration Report

Hammer Energy Measurement Report

Type of Hammer SPT HAMMER
 Client STRUCTURAL SOILS
 Test No EQU704
 Test Depth (m) 7.83
 Date of Test **28 September 2012**
 Valid until **28 September 2013**
 Hammer ID **EQU084**

Mass of the hammer $m = 63.5\text{kg}$
 Falling height $h = 0.76\text{m}$
 $E_{\text{theor}} = m \times g \times h = 473\text{J}$

Characteristics of the instrumented rod

Diameter $d_r = 0.052\text{m}$
 Length of the instrumented rod 0.558m
 Area $A = 11.61\text{cm}^2$
 Modulus $E_a = 206843\text{MPa}$

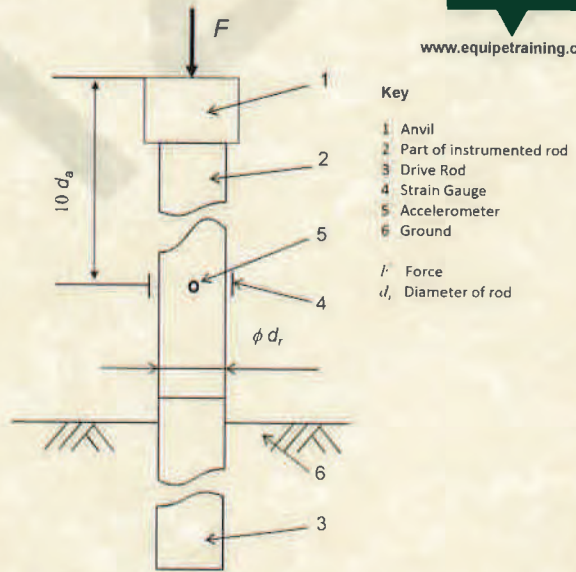
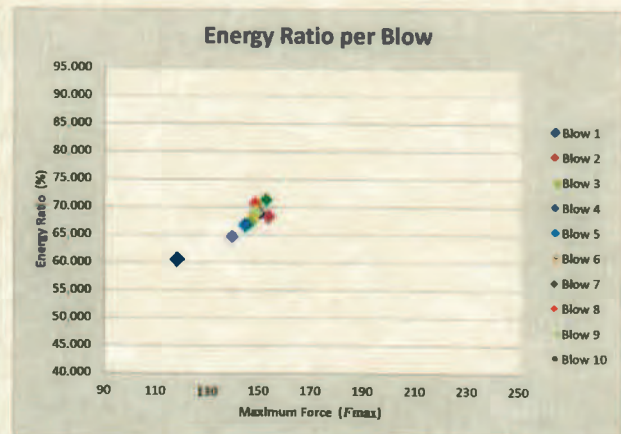
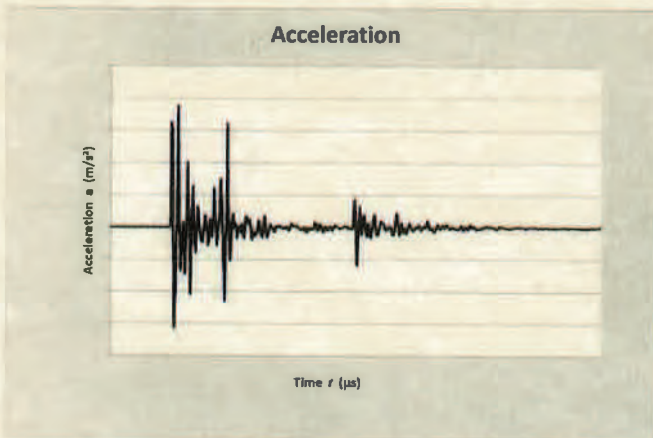
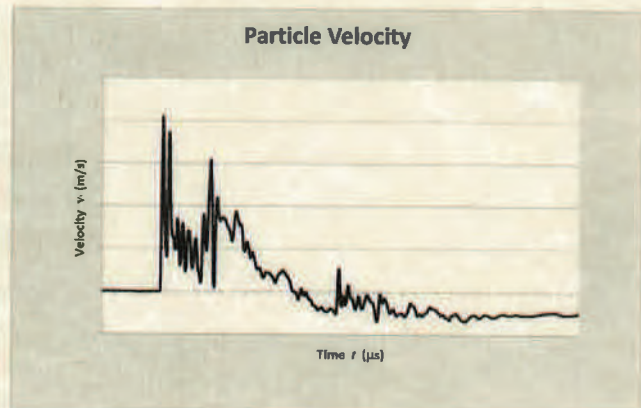


Fig. B.1 and B.2 BS EN ISO 22476-3 : 2005



Observations:

1.

$E_{\text{meas}} = 0.318\text{ kN-m}$

$E_{\text{theor}} = 0.473\text{ kN-m}$

$$\text{Energy Ratio} = \frac{E_{\text{meas}}}{E_{\text{theor}}} = 67.22\%$$

Equipe SPT Analyzer Operators:

(M)

Date

08/10/2012

SPT Calibration Report

Hammer Energy Measurement Report

Type of Hammer SPT HAMMER
 Client STRUCTURAL SOILS
 Test No EQU823
 Test Depth (m) 10.50
 Date of Test 13 March 2013
 Valid until 13 March 2014
 Hammer ID EQU083

Mass of the hammer $m = 63.5\text{kg}$
 Falling height $h = 0.76\text{m}$
 $E_{\text{theor}} = m \times g \times h = 473\text{J}$

Characteristics of the instrumented rod

Diameter $d_r = 0.052\text{ m}$
 Length of the instrumented rod 0.558 m
 Area $A = 11.61\text{ cm}^2$
 Modulus $E_a = 206843\text{ MPa}$

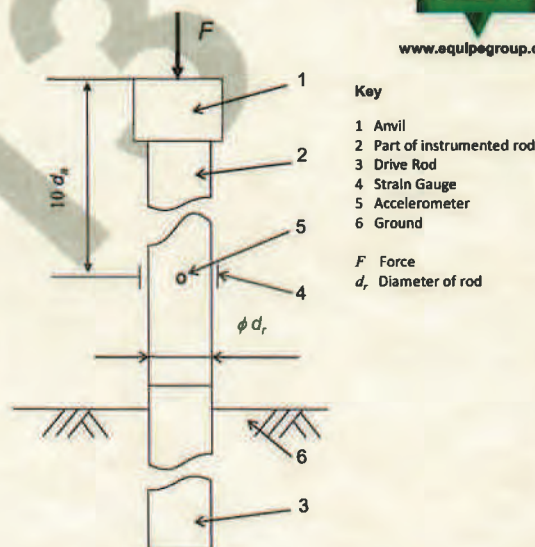
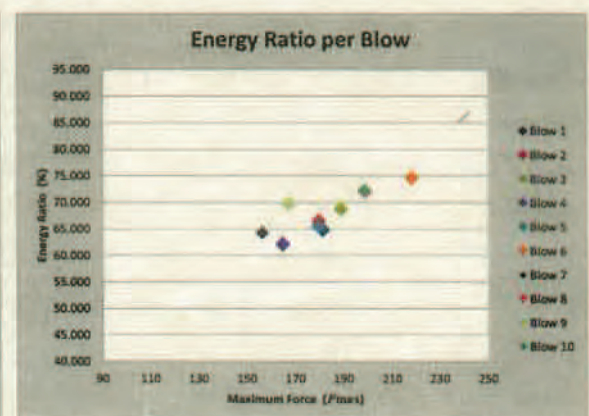
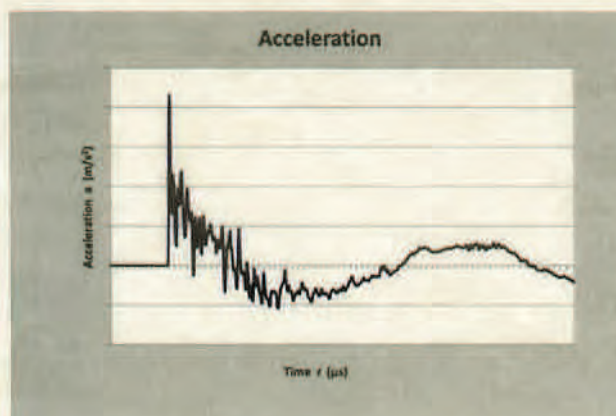
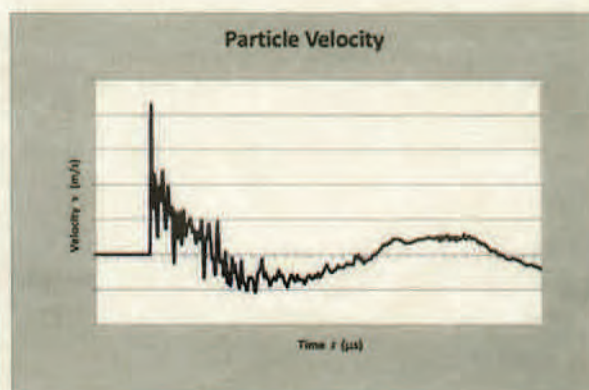
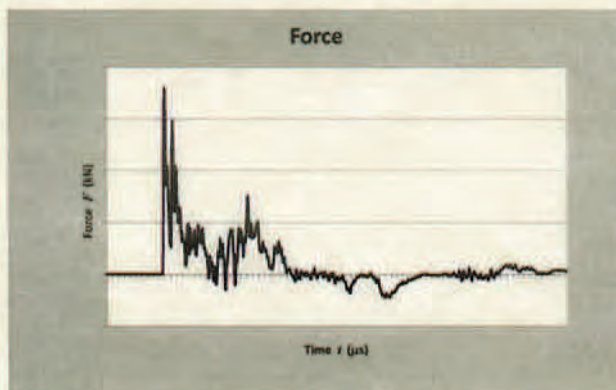


Fig. B.1 and B.2 BS EN ISO 22476-3 : 2005 + A1 : 2011



Observations:

1.

$E_{\text{meas}} = 0.320\text{ kN-m}$

$E_{\text{theor}} = 0.473\text{ kN-m}$

$$\text{Energy Ratio} = \frac{E_{\text{meas}}}{E_{\text{theor}}} = 67.68\%$$

Equipe SPT Analyzer Operators:

KS

Date 22/03/2013

SPT Calibration Report

Hammer Energy Measurement Report

Type of Hammer ARCHWAY CUT DOWN
 Client TOR DRILLING
 Test No EQU776_1
 Test Depth (m) 3.80
 Date of Test 17 January 2013
 Valid until 17 January 2014
 Hammer ID EQU442

Mass of the hammer $m = 63.5\text{kg}$
 Falling height $h = 0.76\text{m}$
 $E_{\text{theor}} = m \times g \times h = 473\text{J}$
 Characteristics of the instrumented rod
 Diameter $d_r = 0.052\text{m}$
 Length of the instrumented rod 0.558m
 Area $A = 11.61\text{cm}^2$
 Modulus $E_s = 206843\text{MPa}$

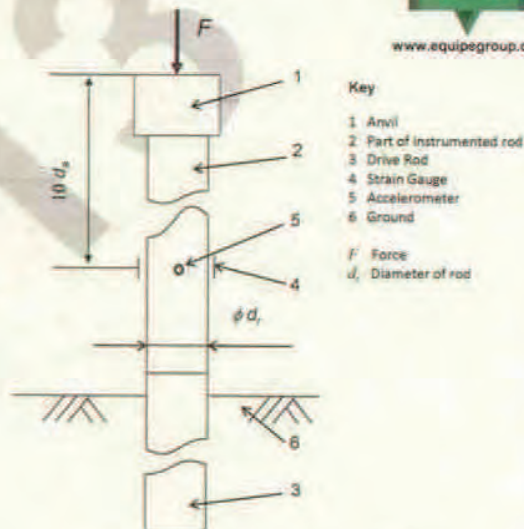
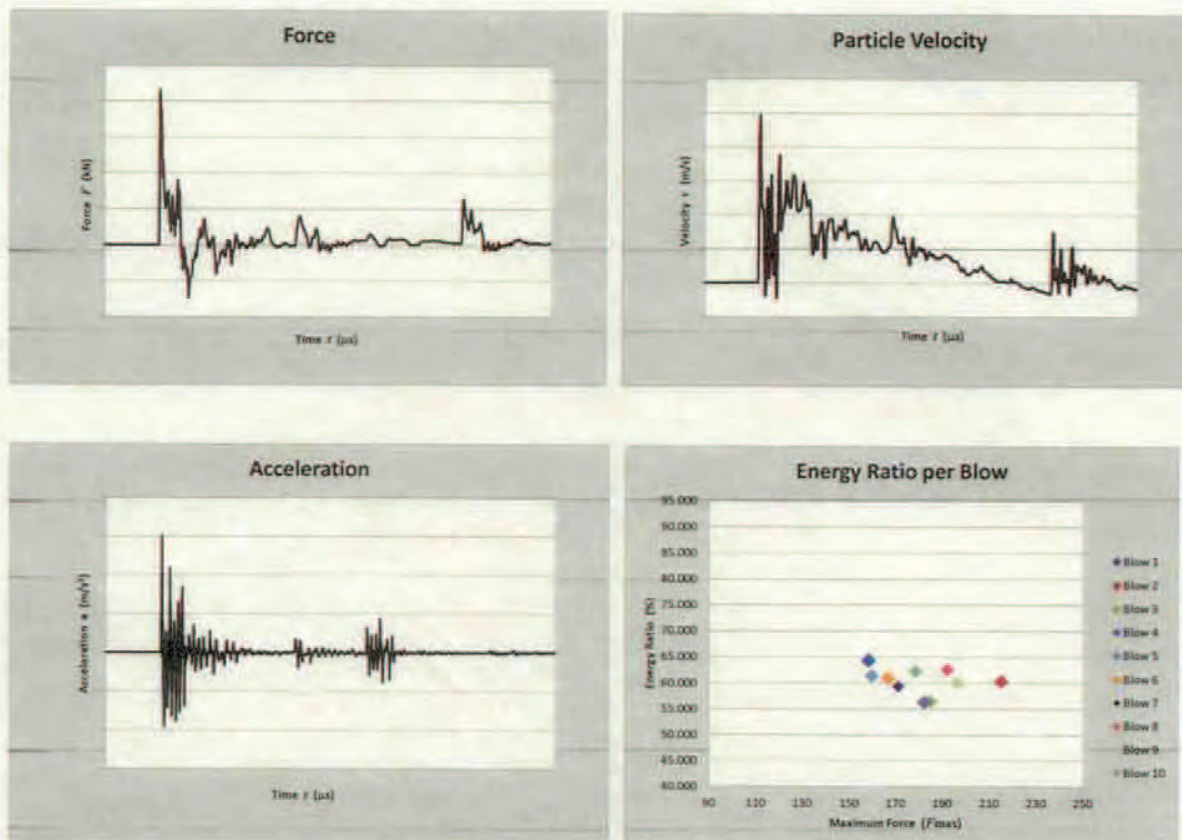


Fig. B.1 and B.2 BS EN ISO 22476-3: 2005 + A1: 2011



Observations:
 1.

$E_{\text{meas}} = 0.284\text{ kN-m}$

$E_{\text{theor}} = 0.473\text{ kN-m}$

Energy Ratio = $\frac{E_{\text{meas}}}{E_{\text{theor}}} = 60.15\%$

Date 18/01/2013

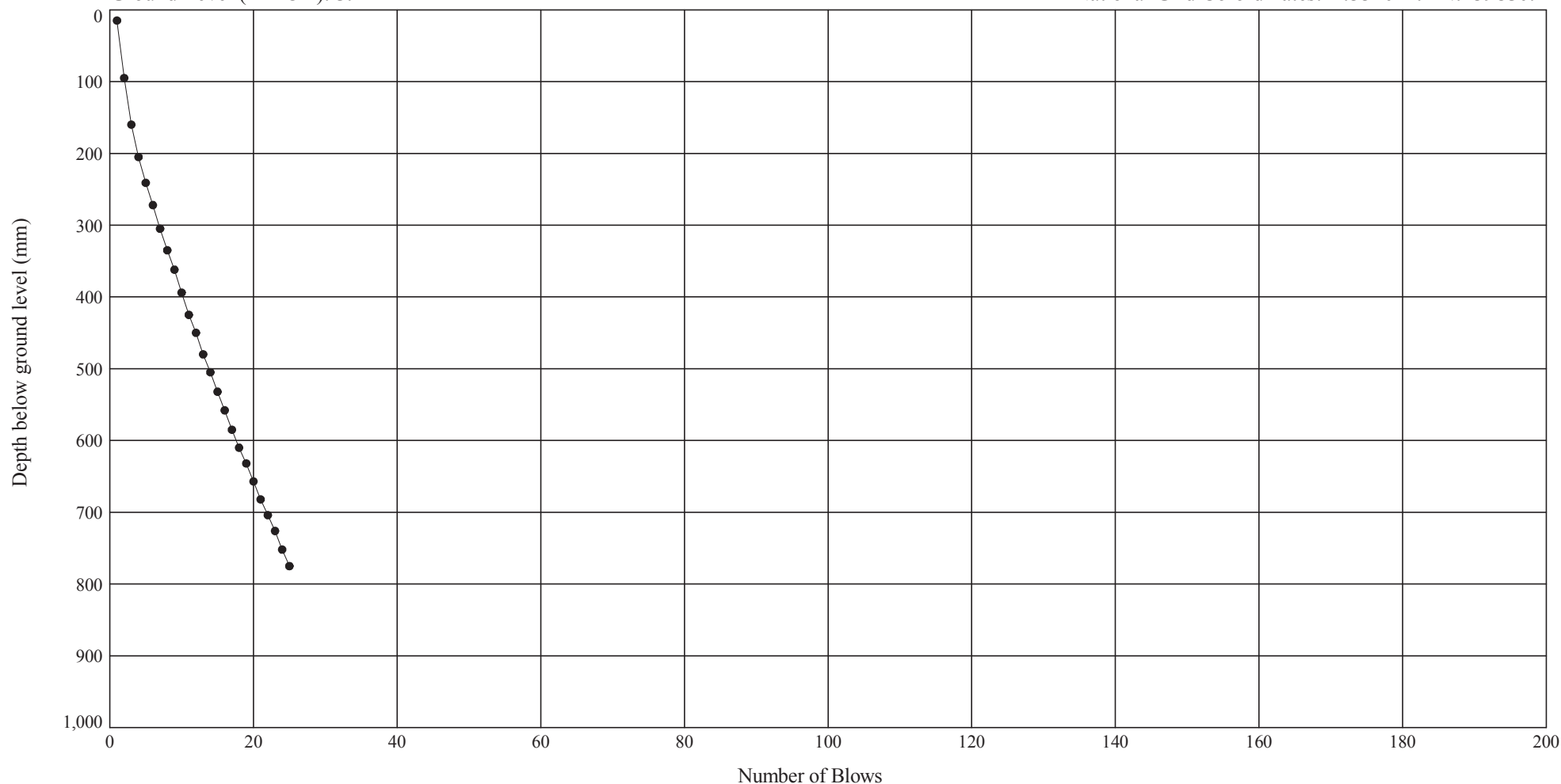
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR1**

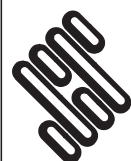
Test Date : **15.4.13**

Ground Level (m AOD): **5.72**

National Grid Co-ordinates: **E:332044.7 N:139850.2**



Notes: **Test conducted in pasture field. Location: Bridgwater Tee.**



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Contract	Hinkley to Seabank 400kV Connection				

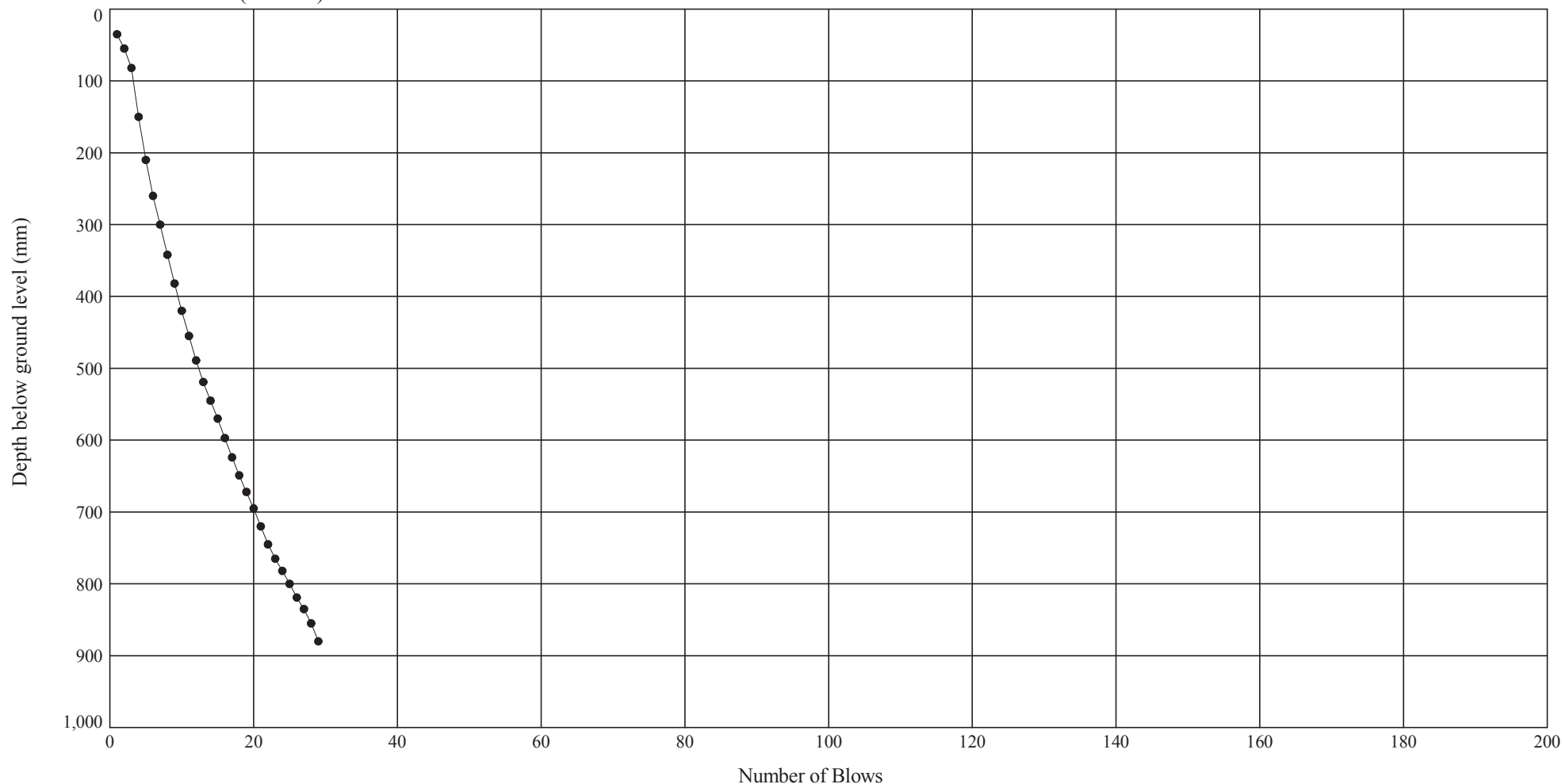
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR2**

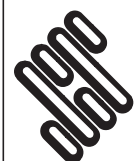
Test Date : **15.4.13**

Ground Level (m AOD): **6.39**

National Grid Co-ordinates: **E:332886.1 N:139845.9**



Notes: **Test conducted in pasture field. Location: Bridgwater Tee.**



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Contract	<div>Hinkley to Seabank 400kV Connection</div>				

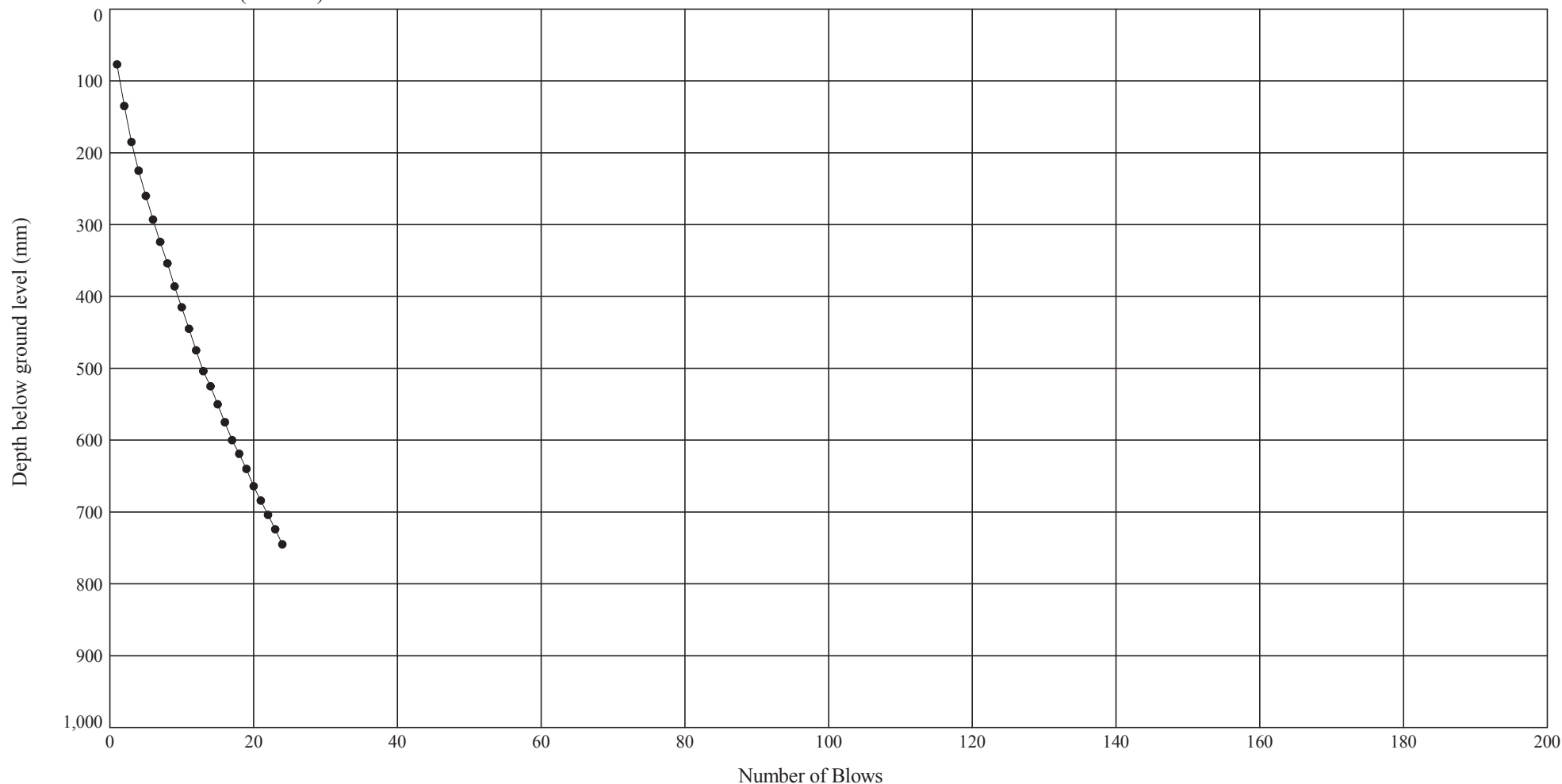
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR3**

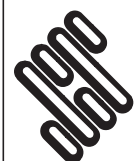
Test Date : **15.4.13**

Ground Level (m AOD): **5.83**

National Grid Co-ordinates: **E:332366.4 N:140144.4**



Notes: **Test conducted in pasture field. Location: Bridgwater Tee.**



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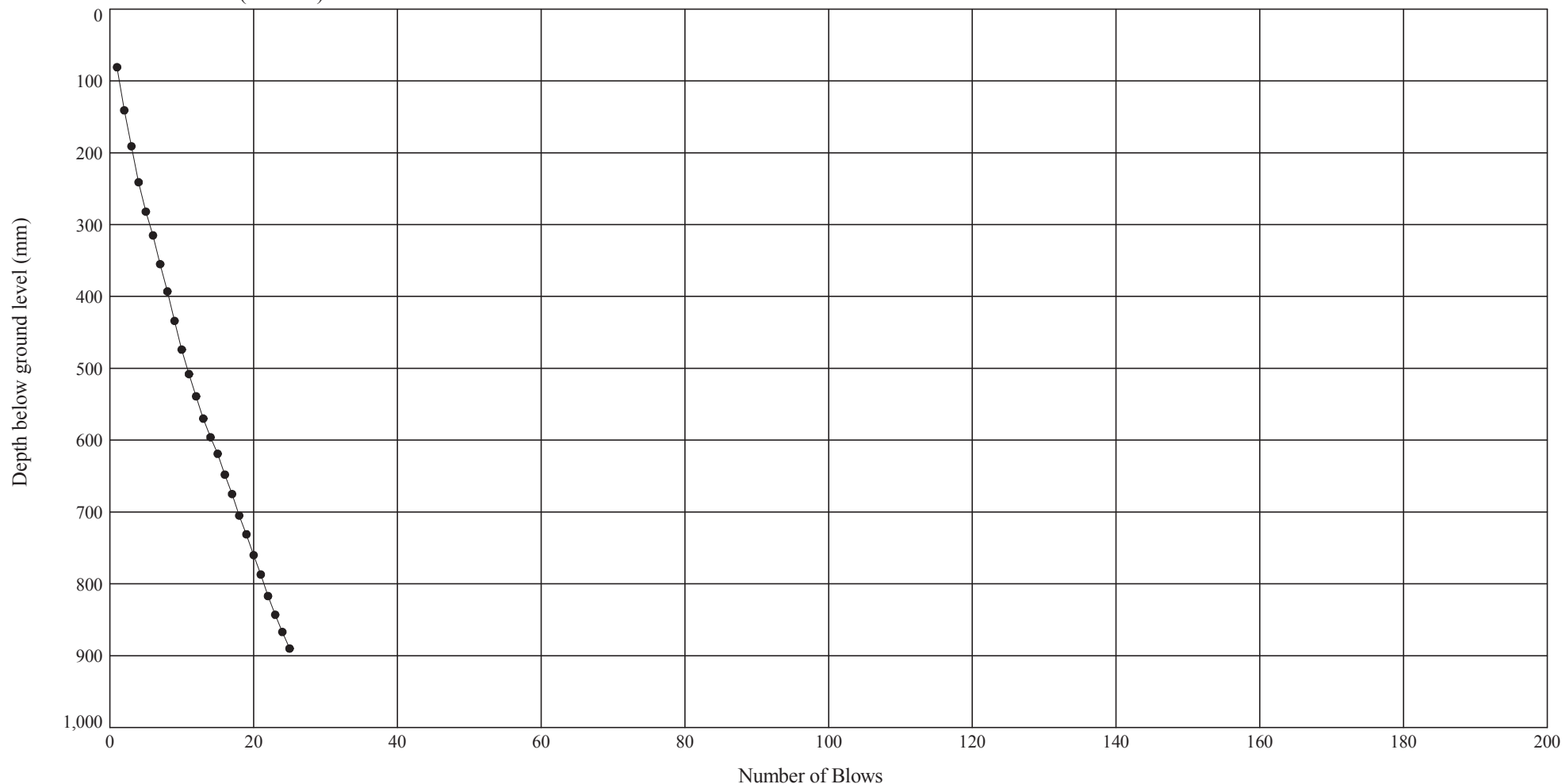
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR4**

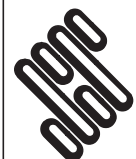
Test Date : **15.4.13**

Ground Level (m AOD): **7.19**

National Grid Co-ordinates: **E:332810.5 N:140298.0**



Notes: **Test conducted in pasture field. Location: Puriton.**



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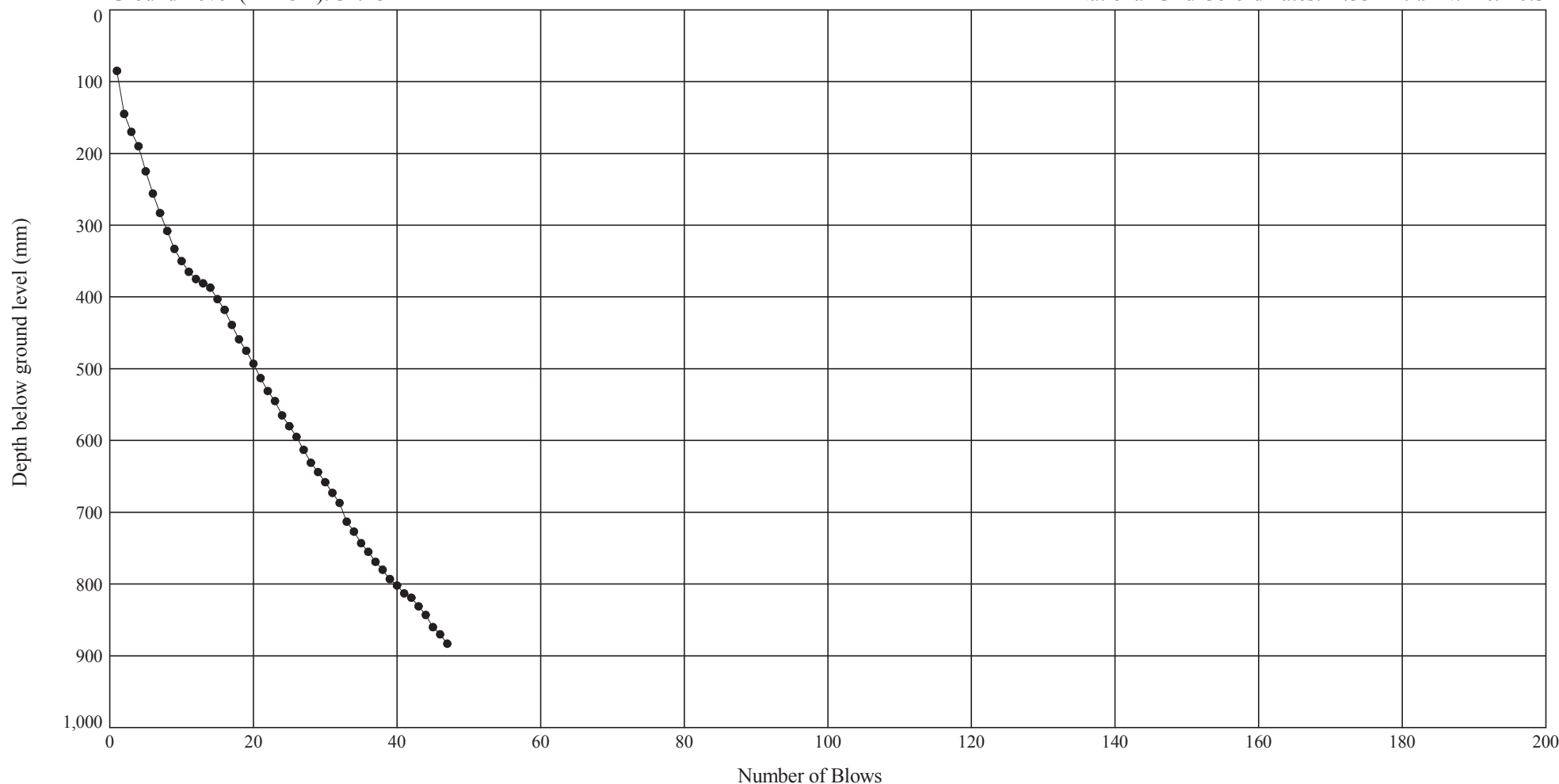
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR5**

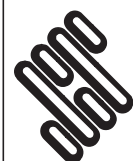
Test Date : **15.4.13**

Ground Level (m AOD): **51.78**

National Grid Co-ordinates: **E:332279.9 N:140940.5**



Notes: **Test conducted in grass adjacent to track. Location: Puriton.**



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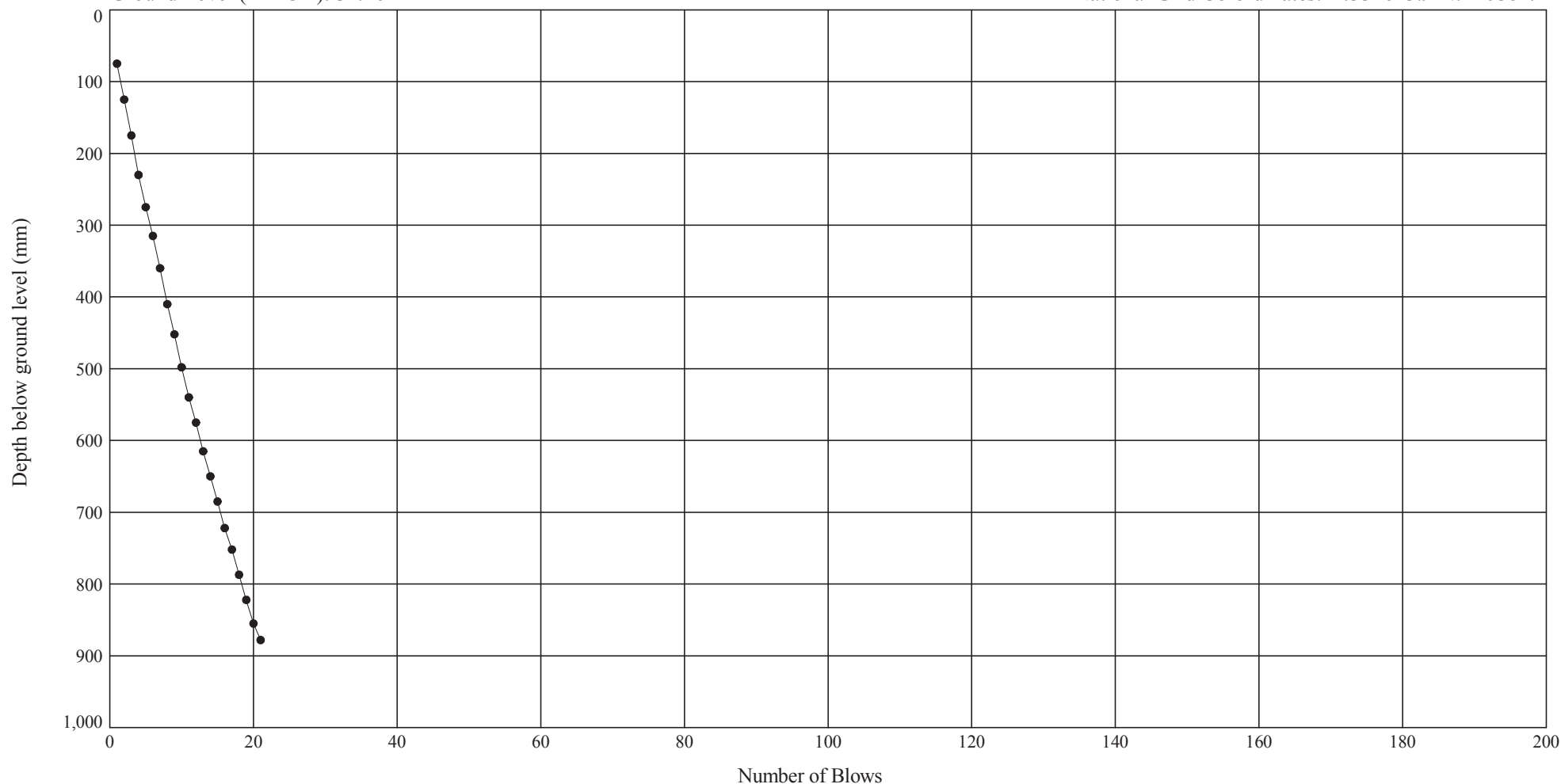
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR6**

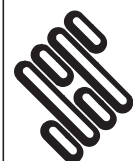
Test Date : **15.4.13**

Ground Level (m AOD): **54.26**

National Grid Co-ordinates: **E:332613.9 N:140861.2**



Notes: **Test conducted at edge of ploughed field. Location: Puriton.**



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Contract	Hinkley to Seabank 400kV Connection					

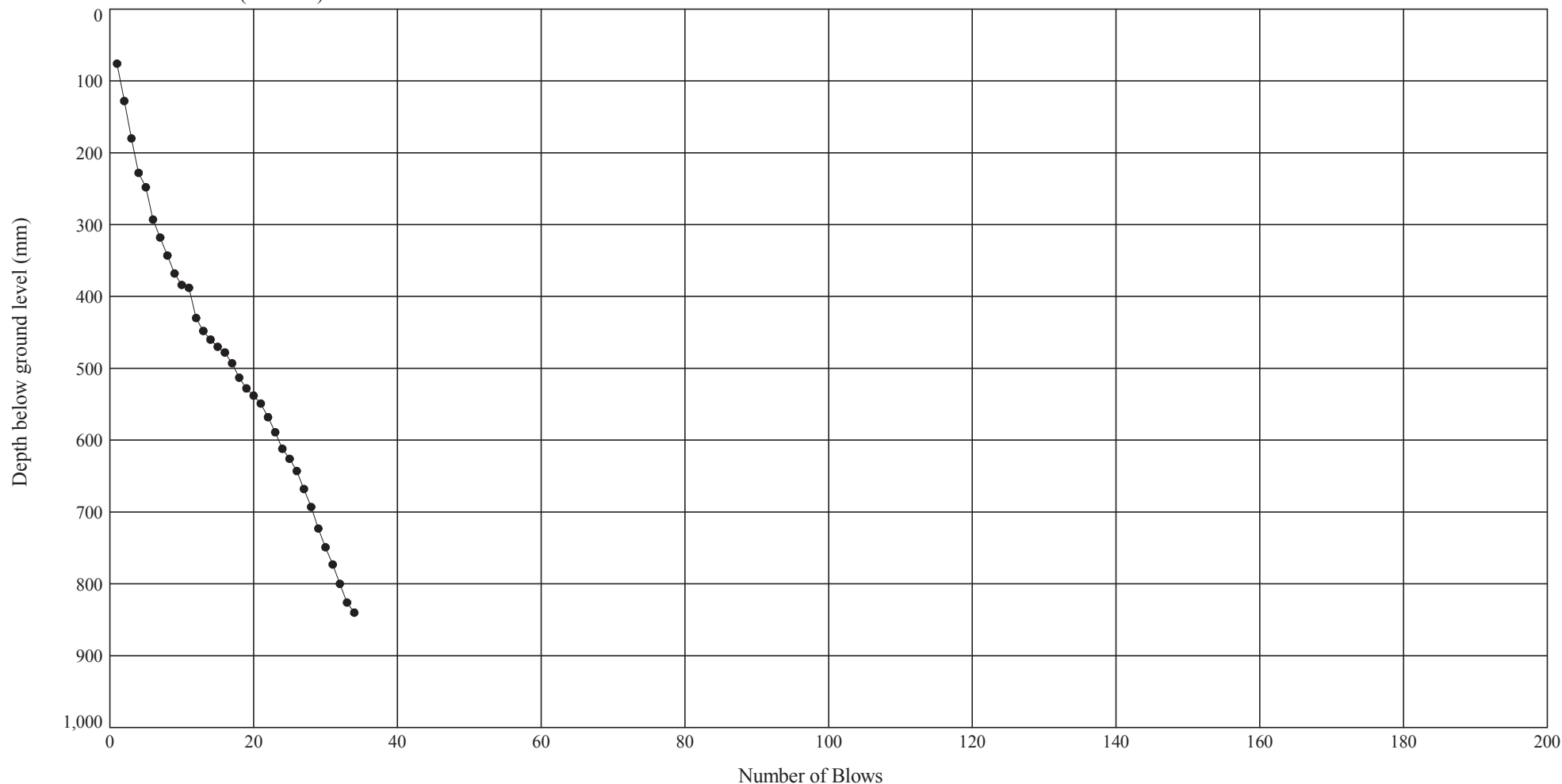
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR7**

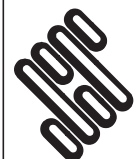
Test Date : **15.4.13**

Ground Level (m AOD): **44.46**

National Grid Co-ordinates: **E:332853.0 N:141050.5**



Notes: **Test conducted in pasture field. Location: Puriton.**



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Contract	Hinkley to Seabank 400kV Connection					

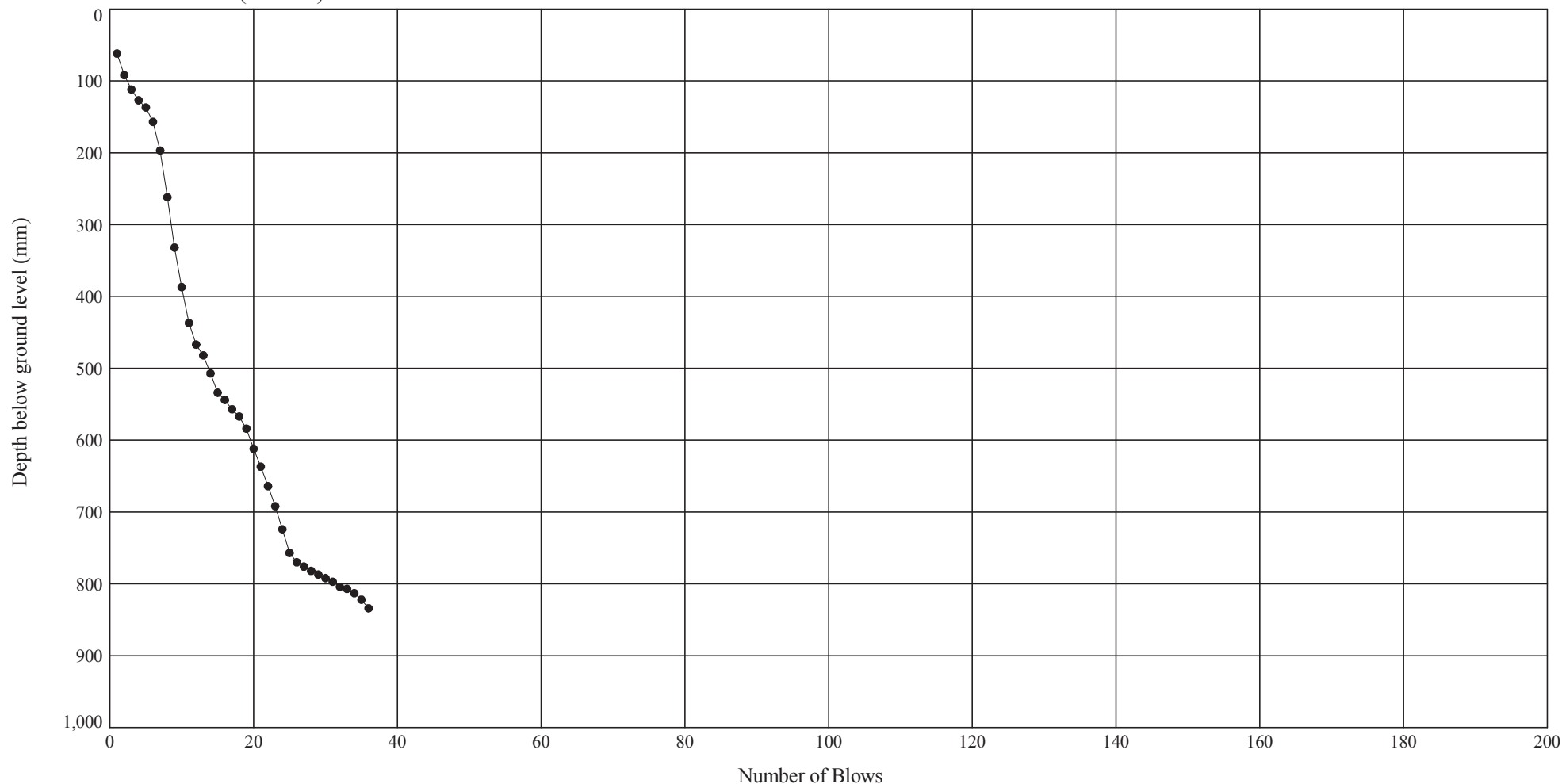
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR8**

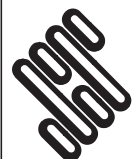
Test Date : **15.4.13**

Ground Level (m AOD): **40.76**

National Grid Co-ordinates: **E:333433.9 N:141196.3**



Notes: **Test conducted within pasture field. Location: Woolavington.**



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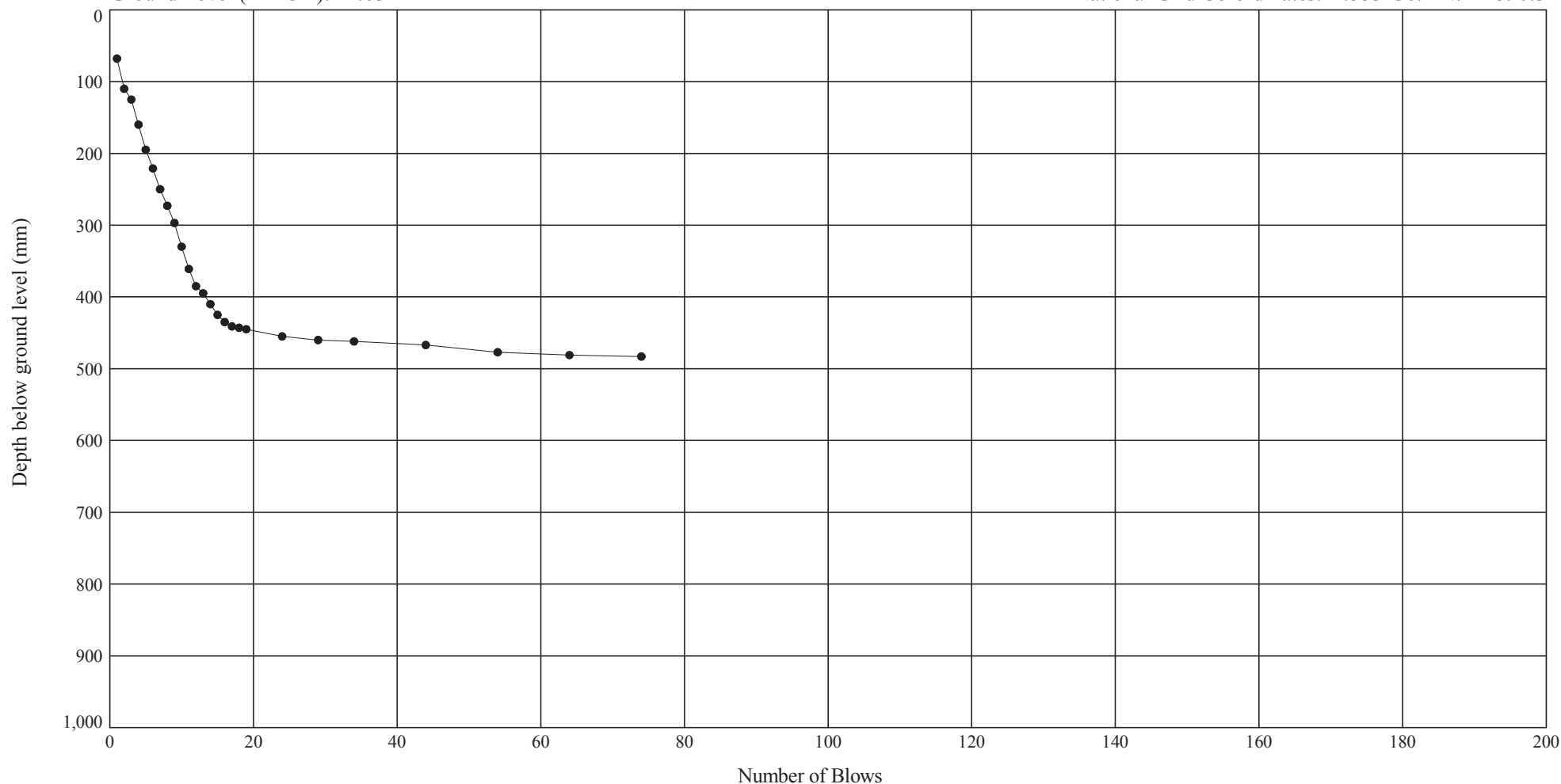
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR9**

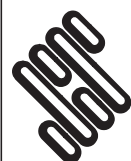
Test Date : **15.4.13**

Ground Level (m AOD): **27.65**

National Grid Co-ordinates: **E:333756.7 N:141390.5**



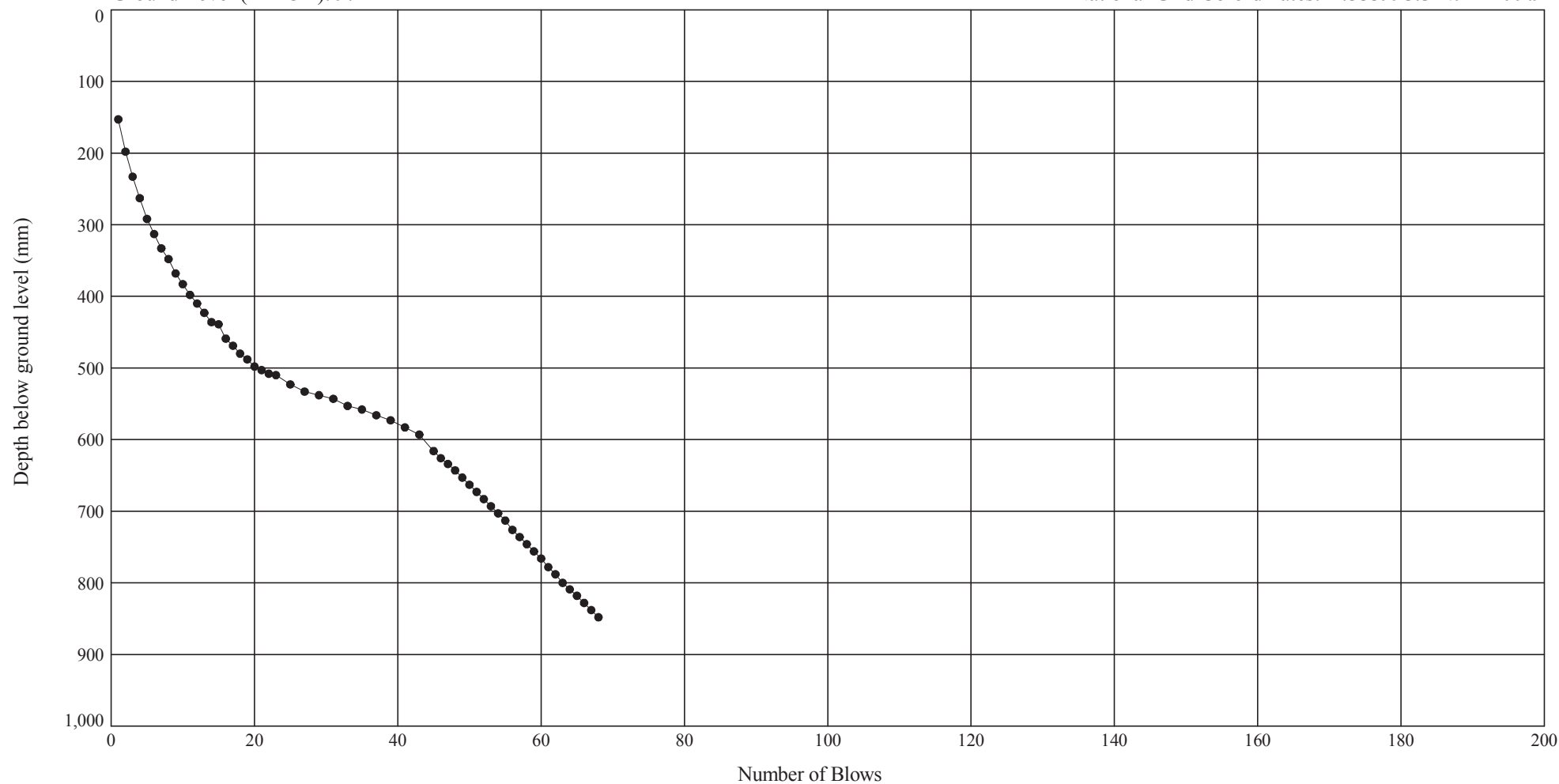
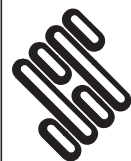
Notes: **Test conducted in pasture field. Test terminated at 548mm reading as minimal penetration may result in equipment damage. Location: Woolavington.**



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Contract Hinkley to Seabank 400kV Connection								

DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR10**Test Date : **15.4.13**Ground Level (m AOD): **9.17**National Grid Co-ordinates: **E:333995.5 N:141799.9**Notes: **Test conducted in pasture field. Location: Woolavington.**

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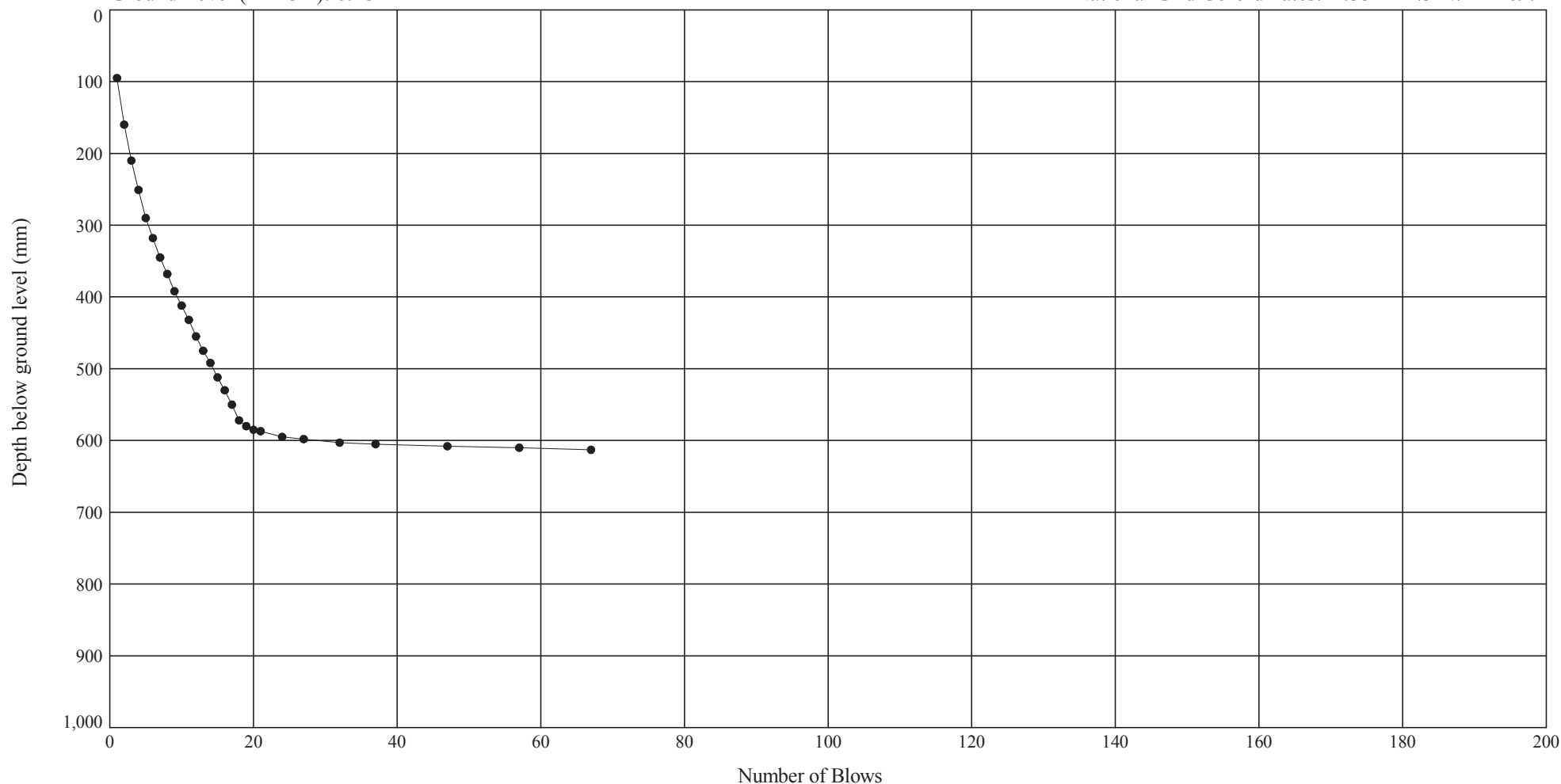
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR11**

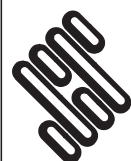
Test Date : **15.4.13**

Ground Level (m AOD): **6.48**

National Grid Co-ordinates: **E:334122.3 N:142169.2**



Notes: **Test conducted in pasture field. Test terminated at 83mm reading as minimal penetration may result in damage to equipment. Location: Woolavington.**



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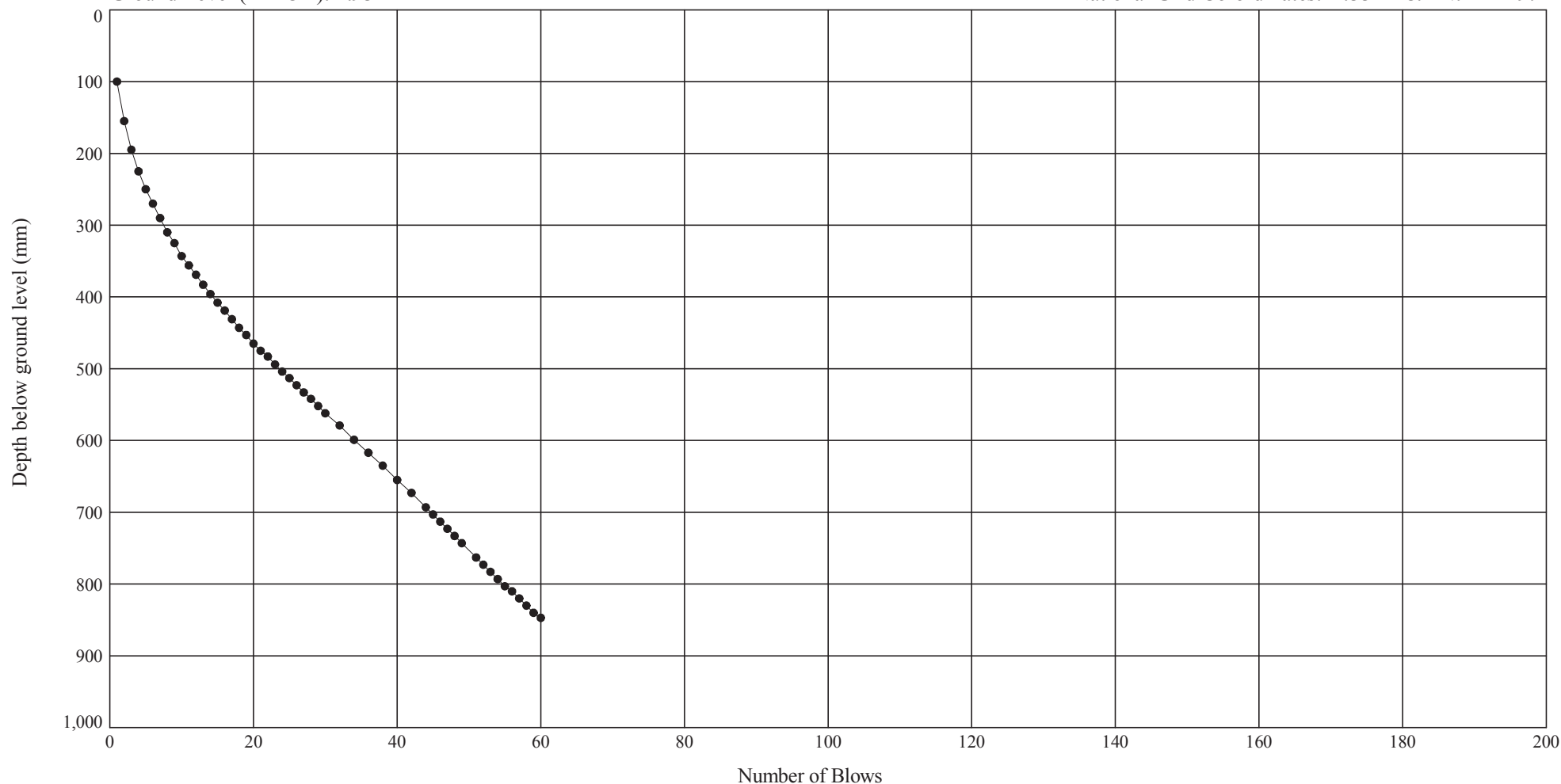
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR12**

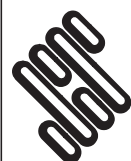
Test Date : **15.4.13**

Ground Level (m AOD): **4.93**

National Grid Co-ordinates: **E:334478.1 N:142249.2**



Notes: **Test conducted in pasture field. Location: Woolavington.**



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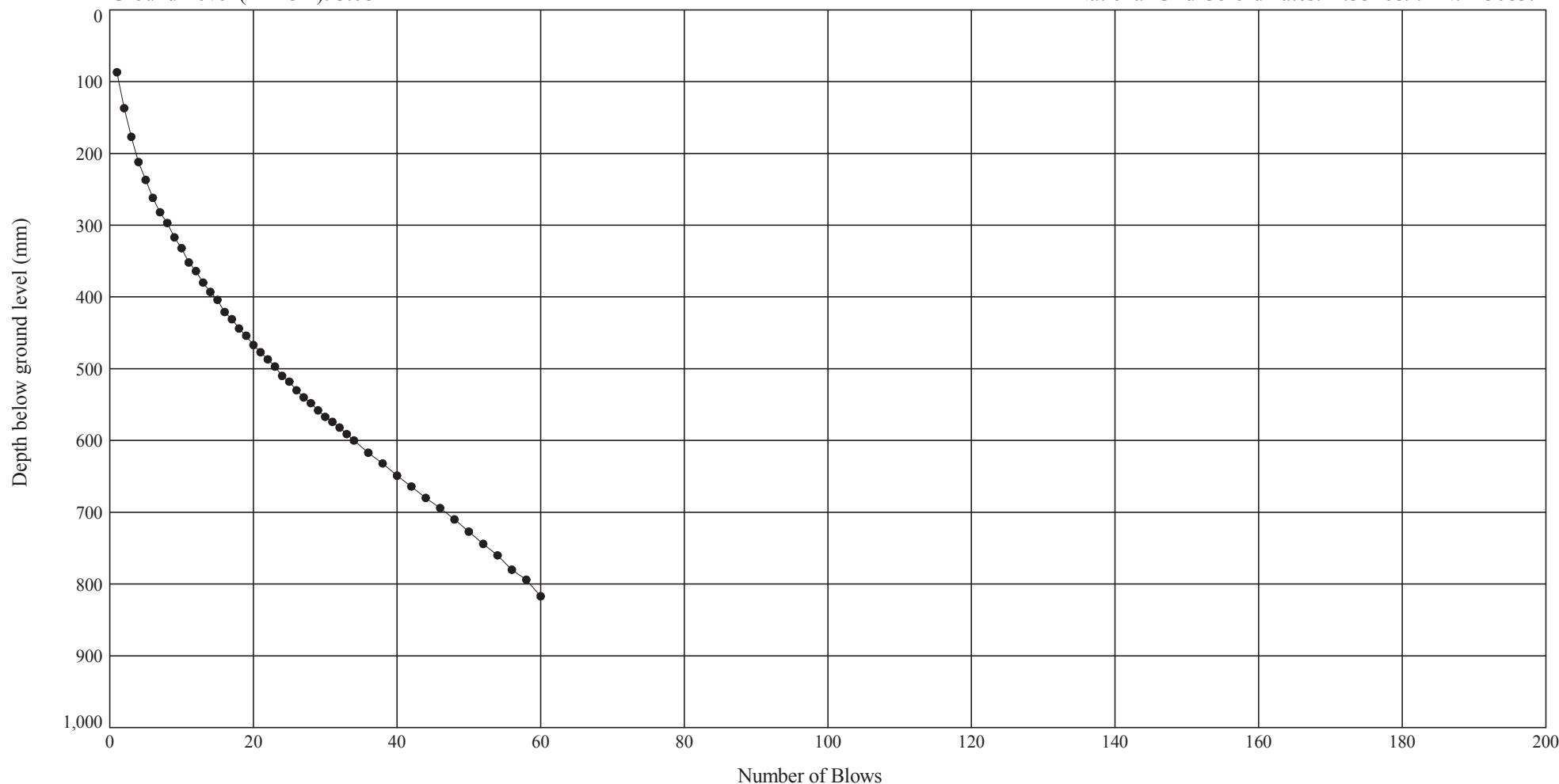
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR13**

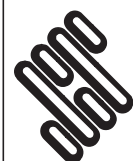
Test Date : **16.4.13**

Ground Level (m AOD): **5.08**

National Grid Co-ordinates: **E:334689.7 N:143083.7**



Notes: **Test conducted in pasture field. Location: Woolavington.**



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Contract	<div>Hinkley to Seabank 400kV Connection</div>					

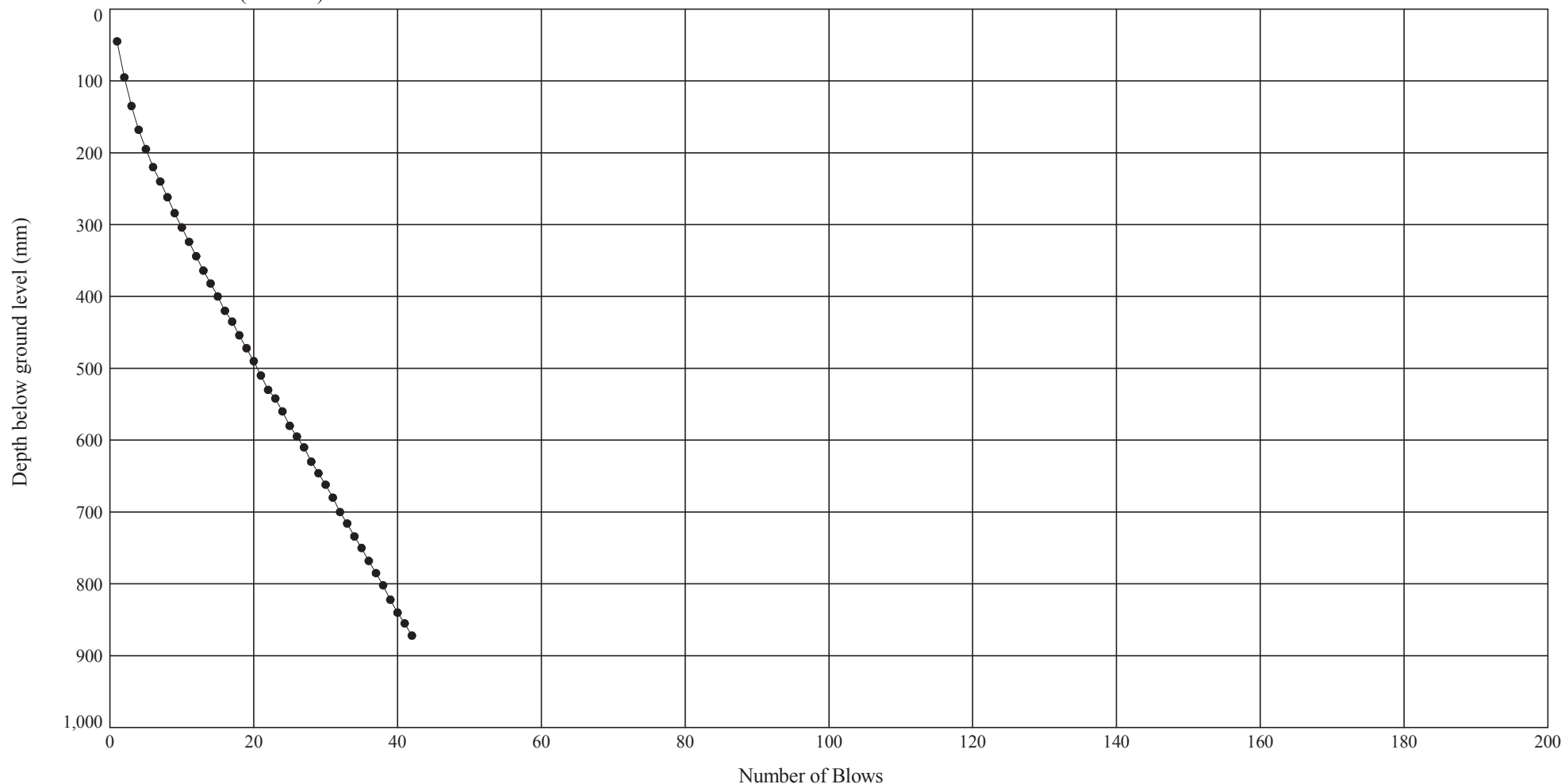
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR14**

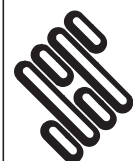
Test Date : **16.4.13**

Ground Level (m AOD): **5.00**

National Grid Co-ordinates: **E:334100.9 N:143057.2**



Notes: **Test conducted in pastue field. Location: Woolavington.**



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Contract	Hinkley to Seabank 400kV Connection					

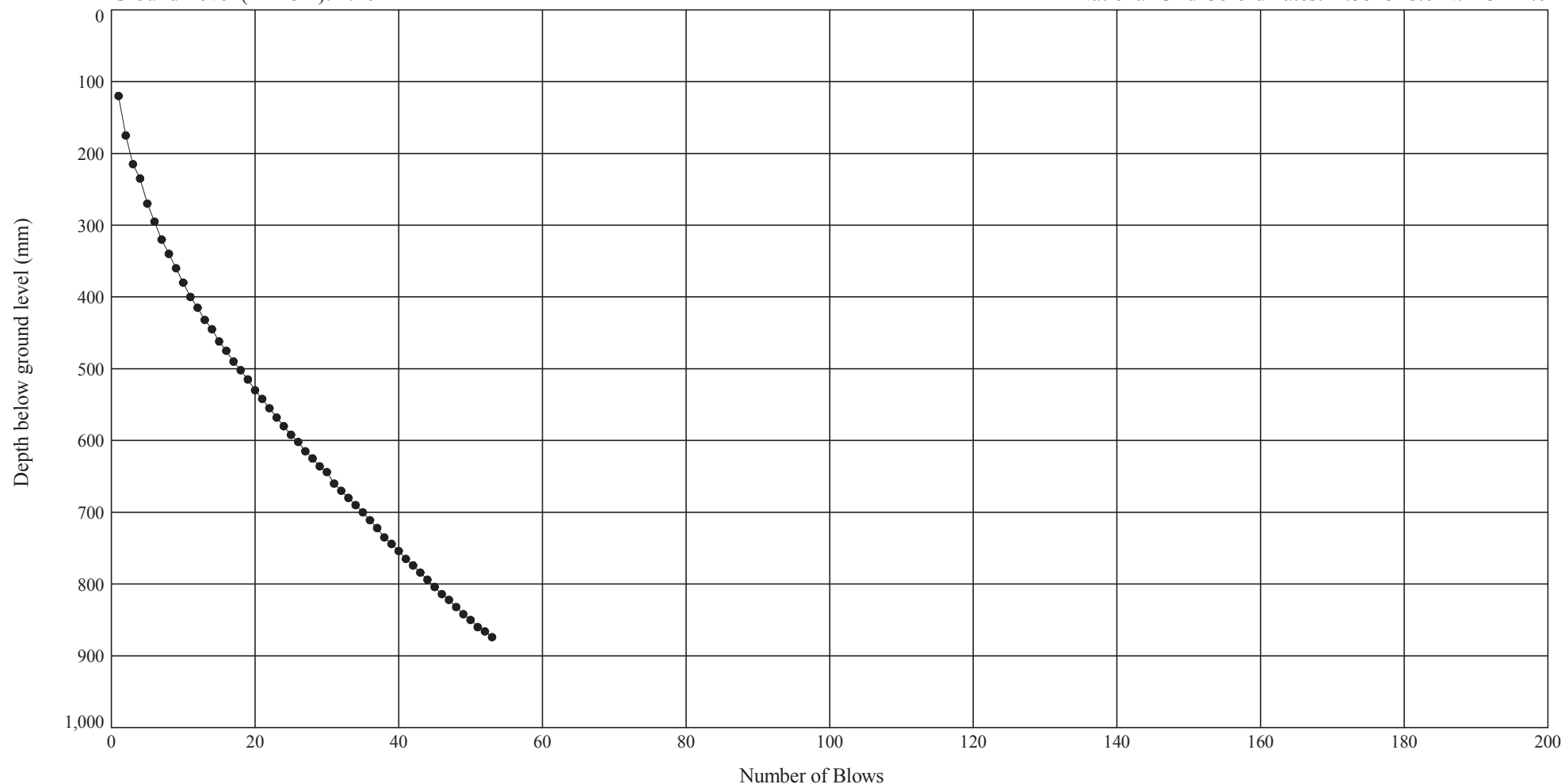
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR15**

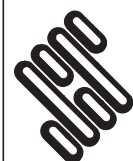
Test Date : **16.4.13**

Ground Level (m AOD): **4.76**

National Grid Co-ordinates: **E:334378.0 N:143427.0**



Notes: **Test conducted in pasture field. Location: Woolavington.**



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Contract	<div>Hinkley to Seabank 400kV Connection</div>				

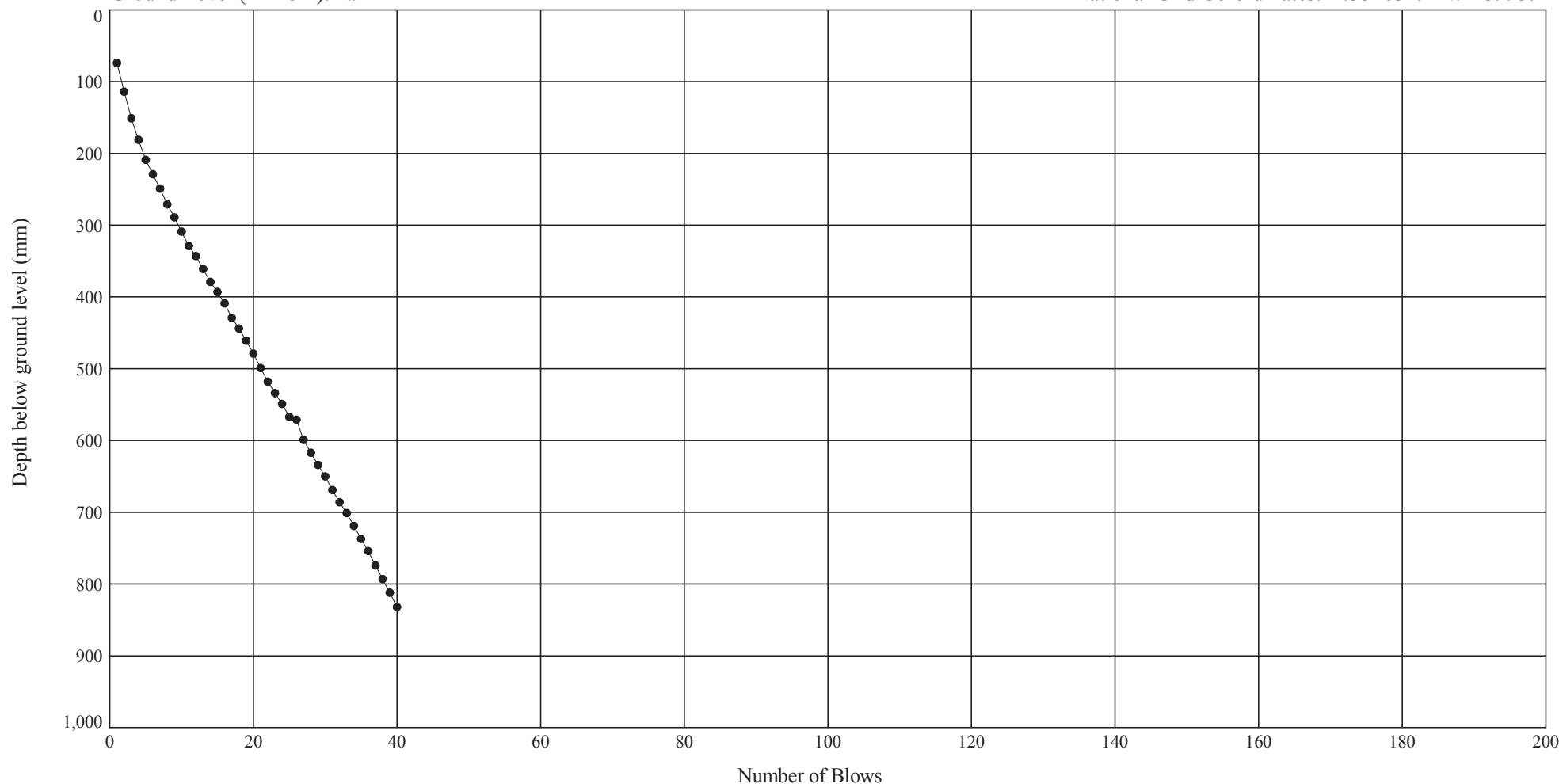
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR16**

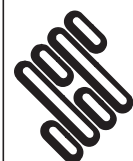
Test Date : **16.4.13**

Ground Level (m AOD): **4.92**

National Grid Co-ordinates: **E:334652.1 N:143993.7**



Notes: **Test conducted in pasture field. Location: East Huntspill.**



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Contract	<div>Hinkley to Seabank 400kV Connection</div>					

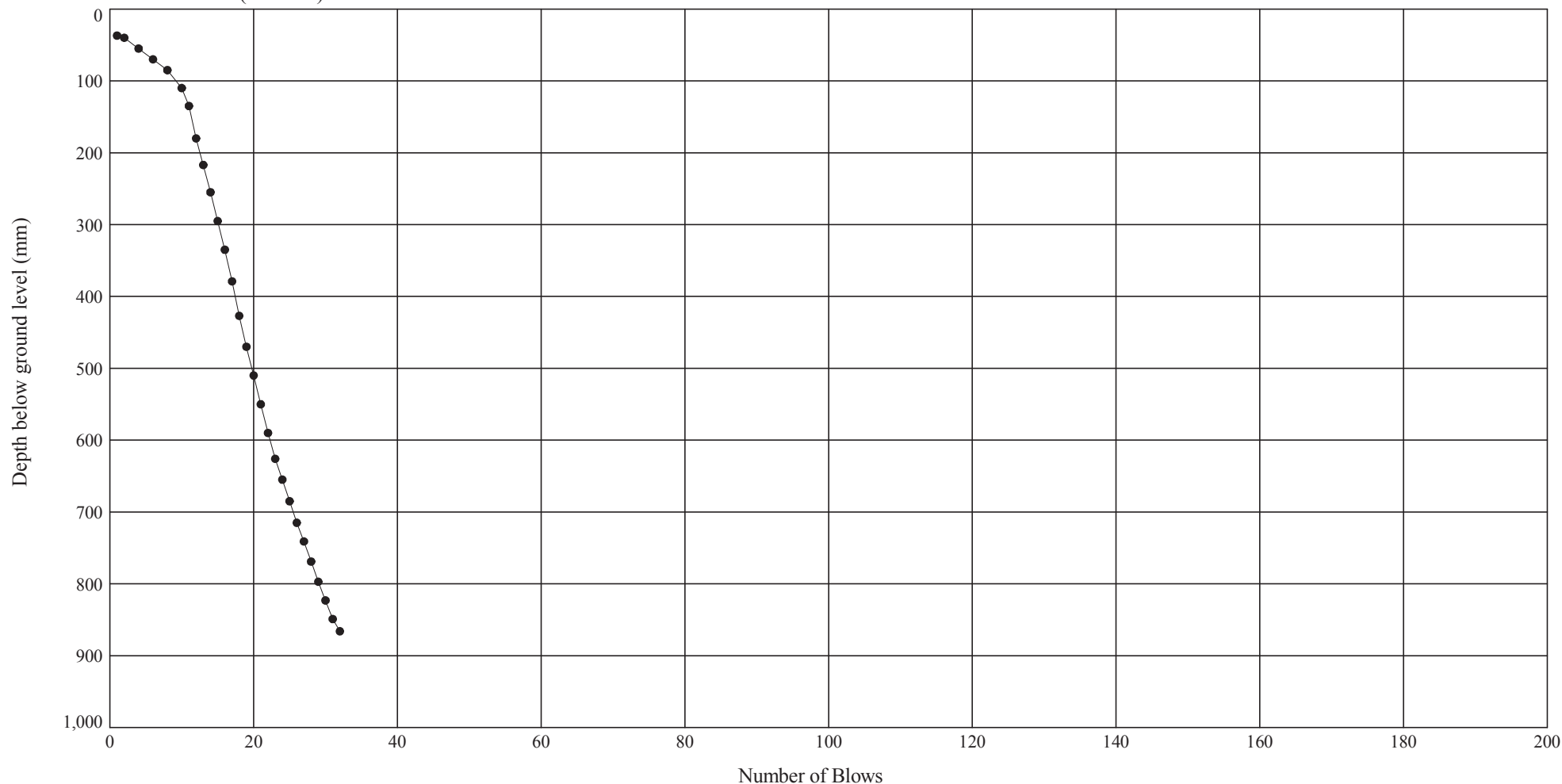
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR17**

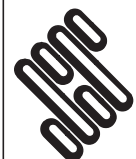
Test Date : **16.4.13**

Ground Level (m AOD): **5.25**

National Grid Co-ordinates: **E:335087.0 N:143978.2**



Notes: **Test conducted at edge of stubble field. Location: East Huntspill.**



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Contract					
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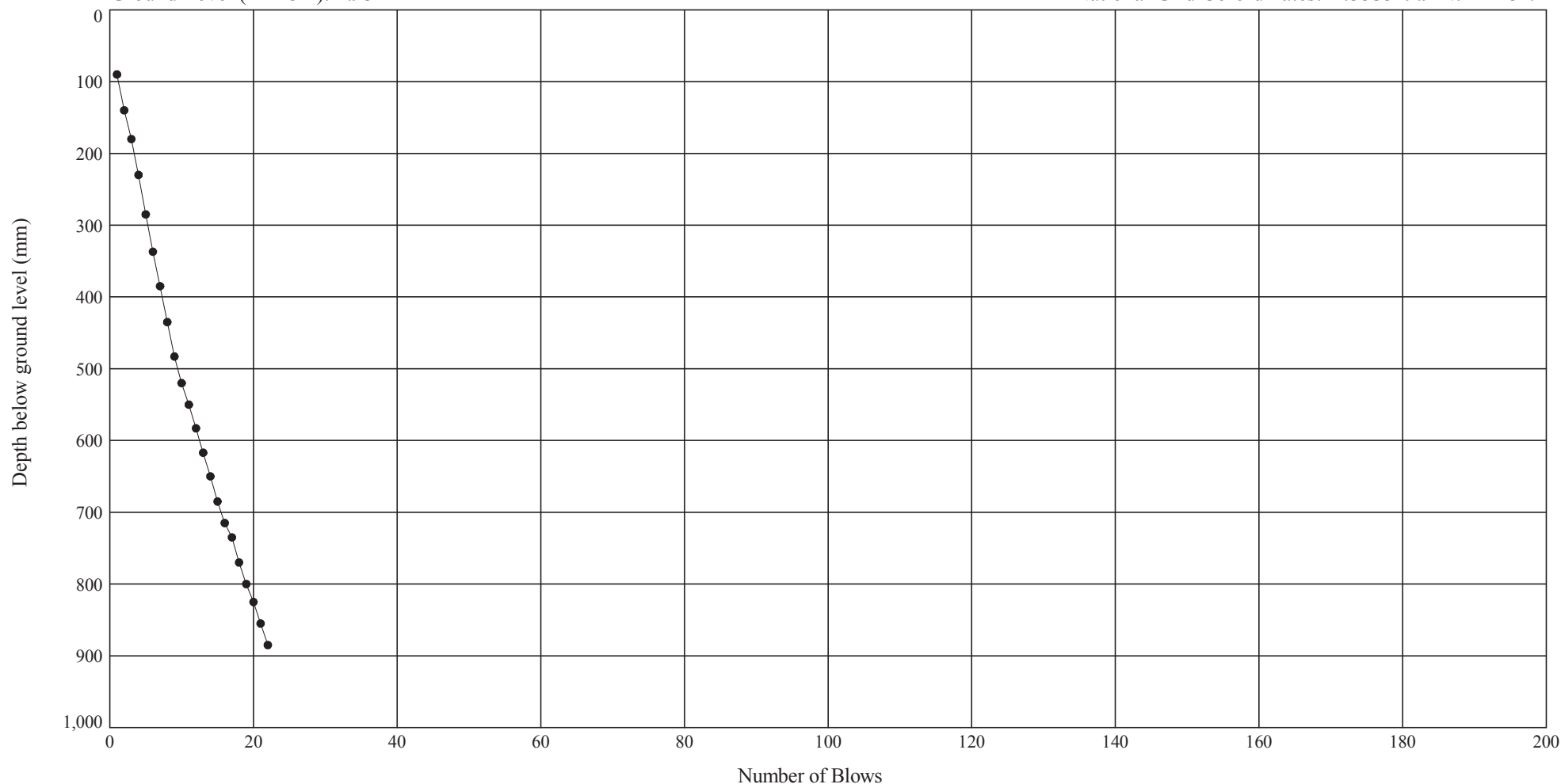
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR18**

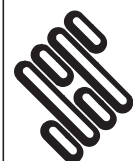
Test Date : **16.4.13**

Ground Level (m AOD): **4.93**

National Grid Co-ordinates: **E:335349.9 N:144181.1**



Notes: **Test conducted in pasture field. Location: East Huntspill.**



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Contract	<div>Hinkley to Seabank 400kV Connection</div>					

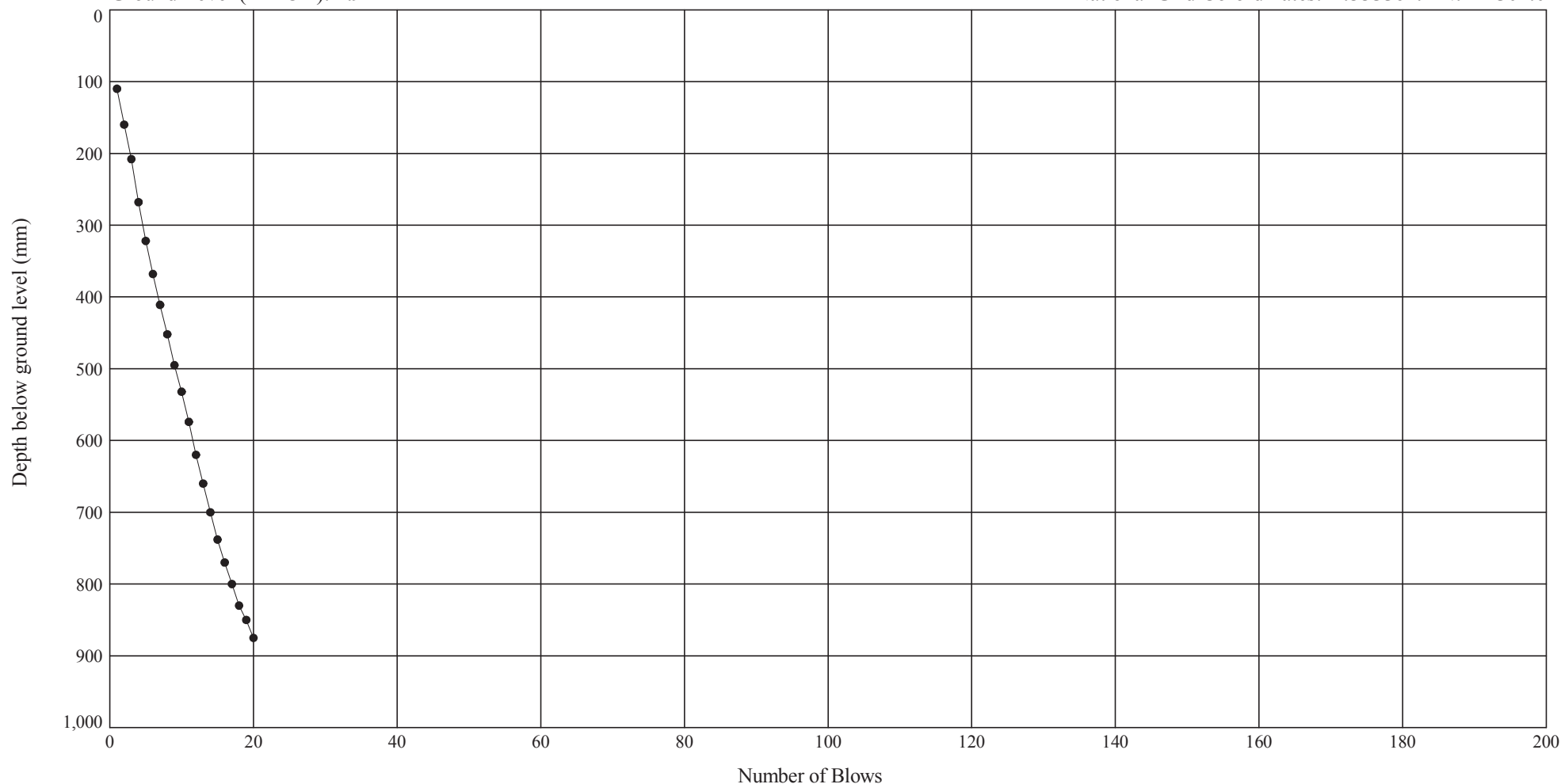
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR19**

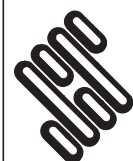
Test Date : **16.4.13**

Ground Level (m AOD): **4.97**

National Grid Co-ordinates: **E:335562.2 N:144501.0**



Notes: **Test conducted in pasture field. Location: East Huntspill.**



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Contract	<div>Hinkley to Seabank 400kV Connection</div>					

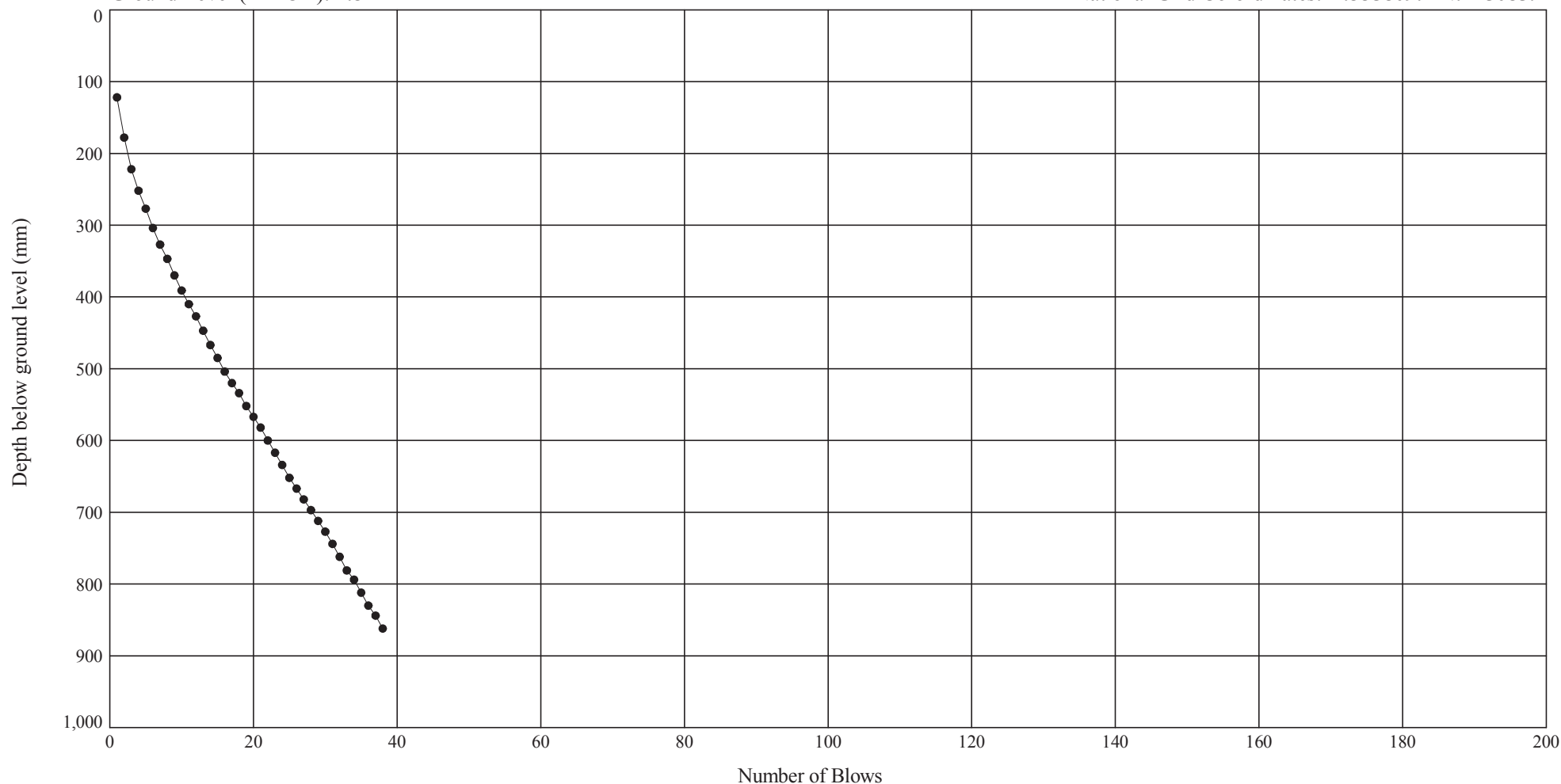
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR20**

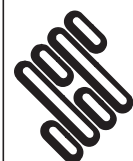
Test Date : **16.4.13**

Ground Level (m AOD): **4.81**

National Grid Co-ordinates: **E:335809.4 N:145085.2**



Notes: **Test conducted in pasture field. Location: East Huntspill.**



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Contract	<div>Hinkley to Seabank 400kV Connection</div>					

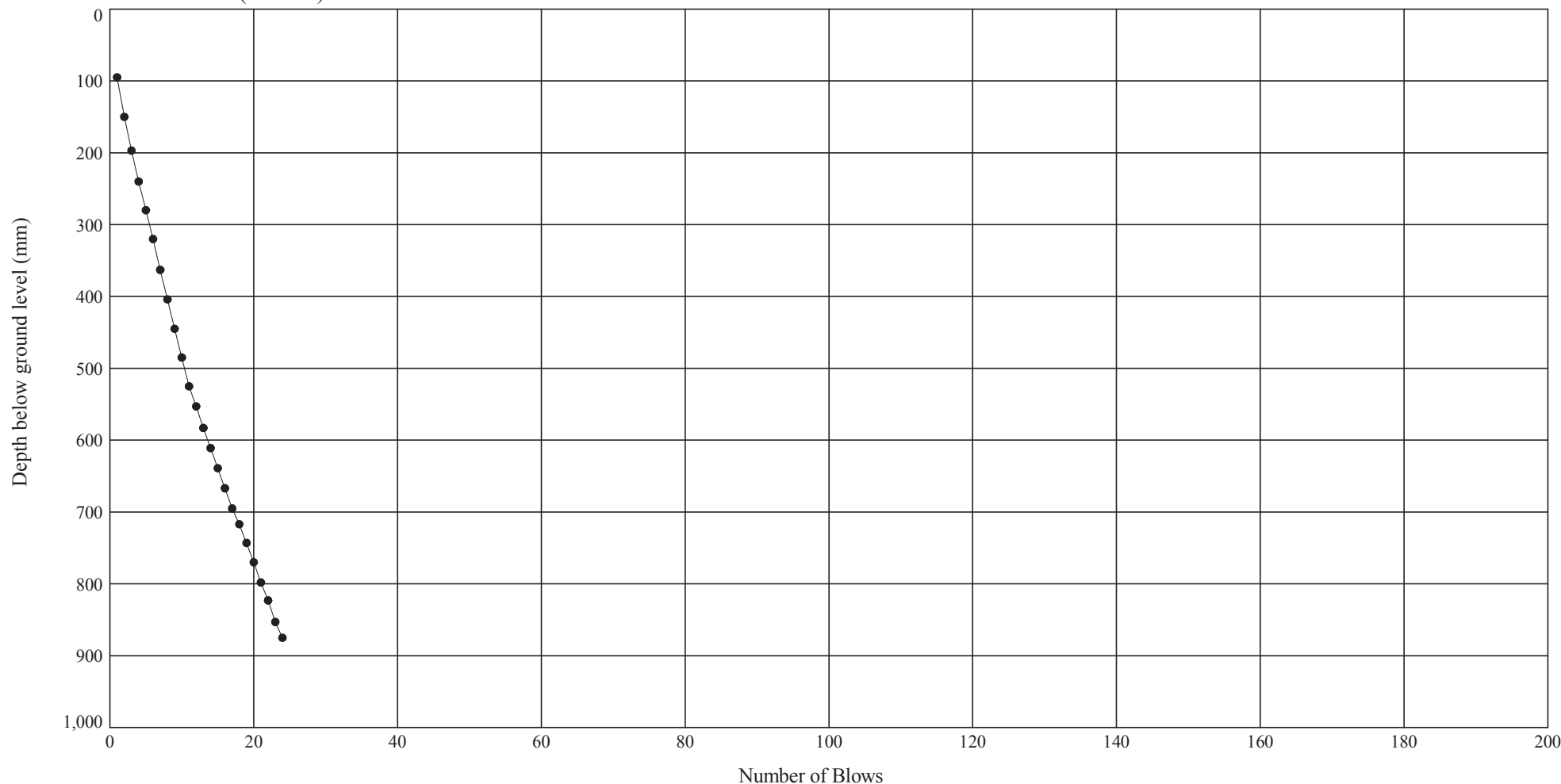
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR21**

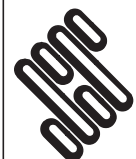
Test Date : **16.4.13**

Ground Level (m AOD): **4.65**

National Grid Co-ordinates: **E:335920.2 N:145376.0**



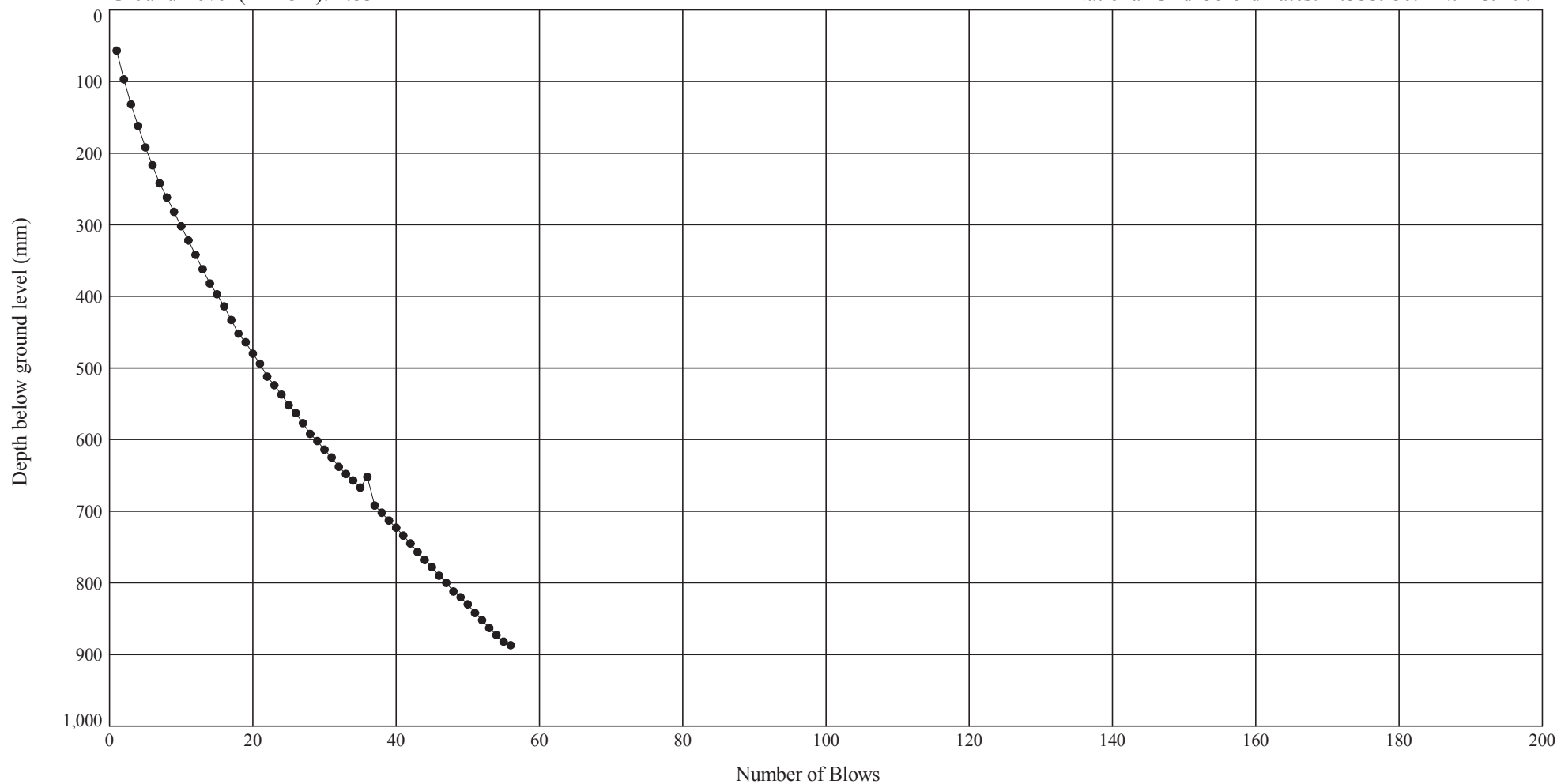
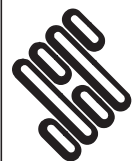
Notes: **Test conducted in pasture field. Location: East Huntspill.**



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	Compiled By	Date		Checked By	Date	Contract Ref: 727635
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Contract	<div>Hinkley to Seabank 400kV Connection</div>					

DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR22**Test Date : **16.4.13**Ground Level (m AOD): **4.85**National Grid Co-ordinates: **E:335980.2 N:145919.1**Notes: **Test conducted in pasture field. Location: East Huntspill.**

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Date

Checked By

Date

Contract Ref:

Contract

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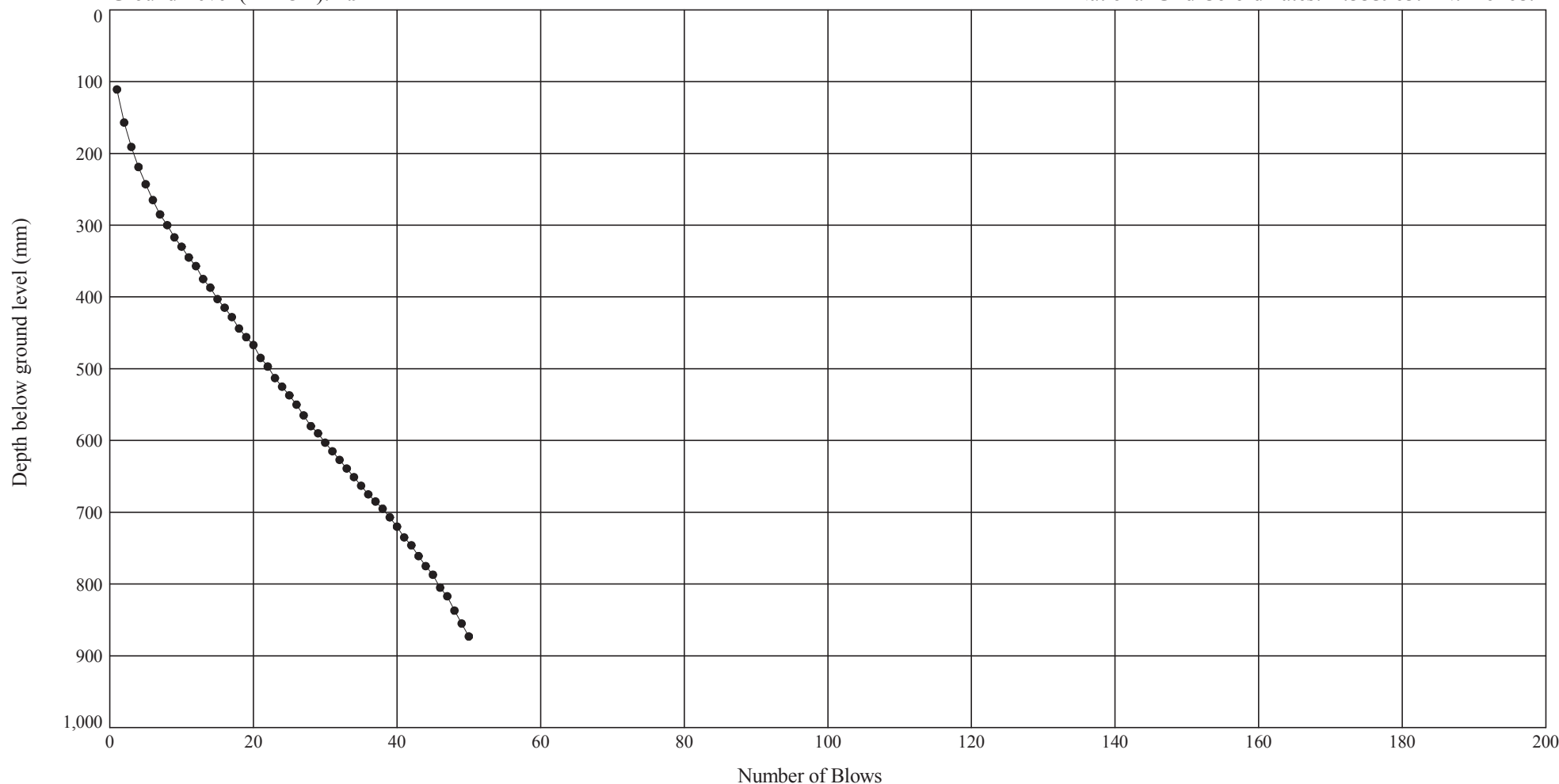
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR23**

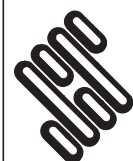
Test Date : **16.4.13**

Ground Level (m AOD): **4.94**

National Grid Co-ordinates: **E:335963.7 N:146168.2**



Notes: **Test conducted in pasture field. Location: East Huntspill.**



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Contract					
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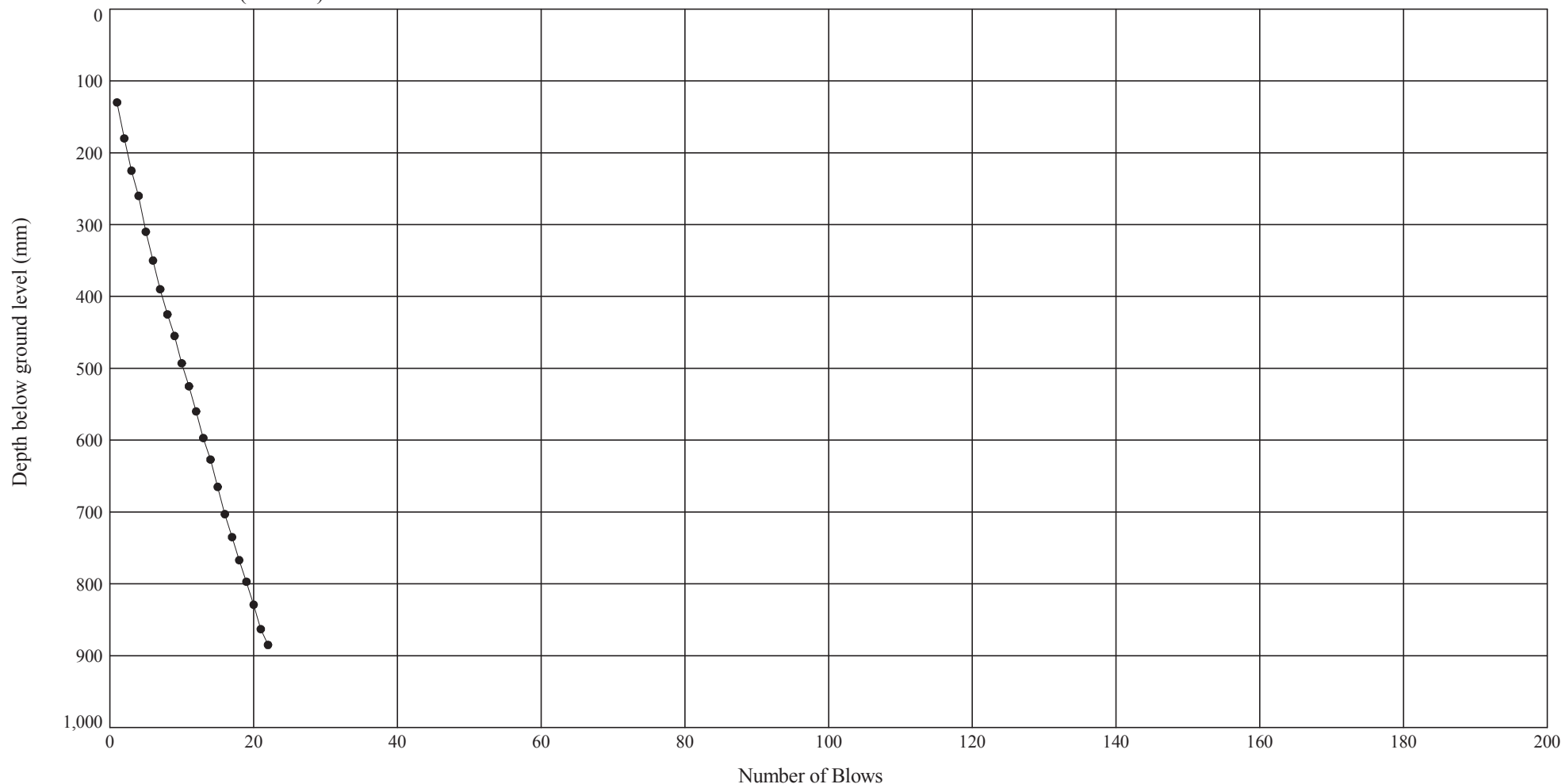
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR24**

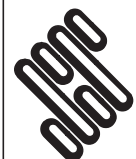
Test Date : **16.4.13**

Ground Level (m AOD): **4.88**

National Grid Co-ordinates: **E:336210.3 N:146427.3**



Notes: **Test conducted in pasture field. Location: Mark.**



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Contract Hinkley to Seabank 400kV Connection						

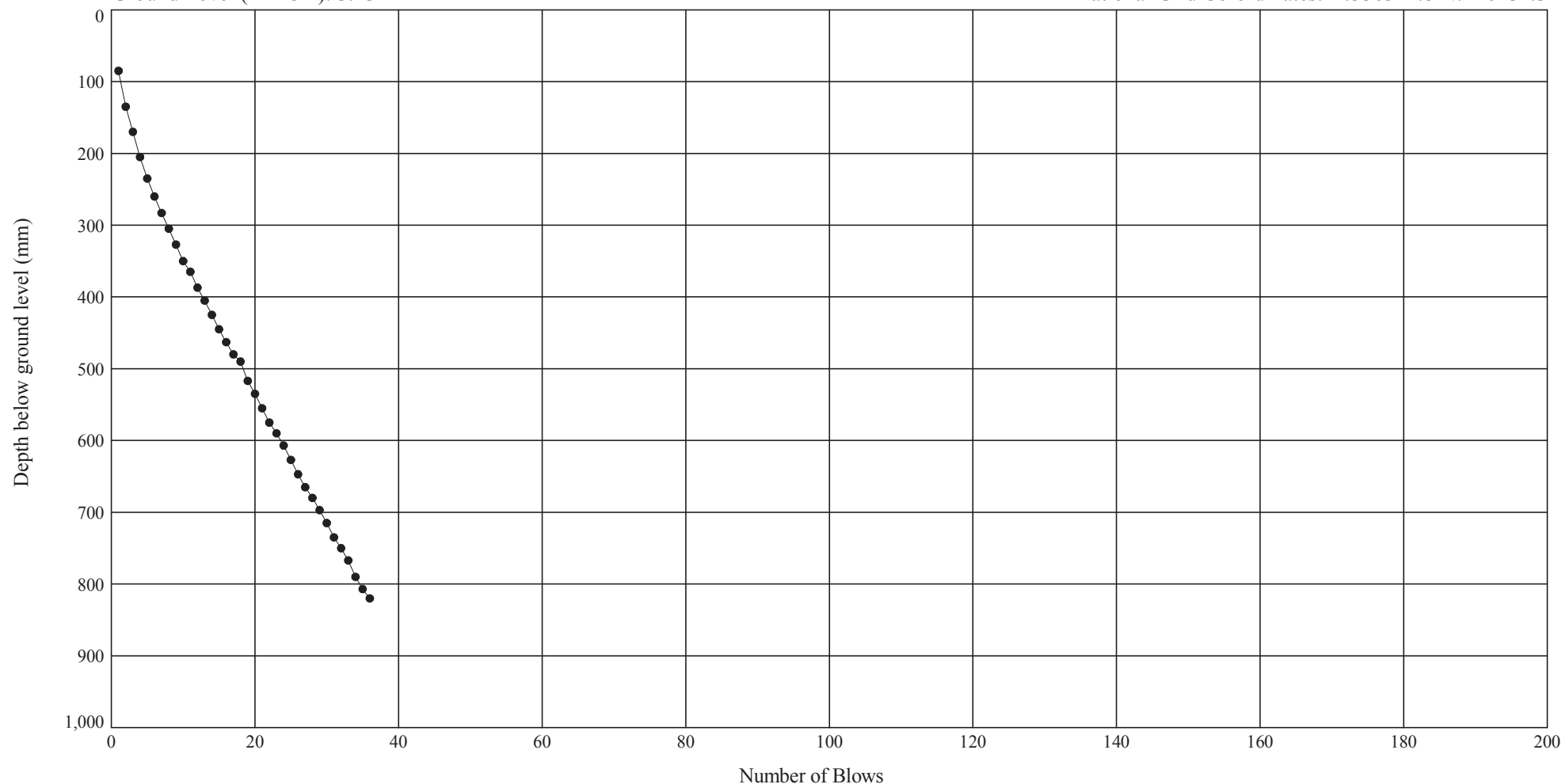
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR25**

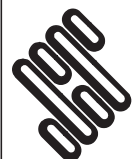
Test Date : **17.4.13**

Ground Level (m AOD): **5.15**

National Grid Co-ordinates: **E:336347.8 N:146751.5**



Notes: **Test conducted in pasture field. Location: Mark.**



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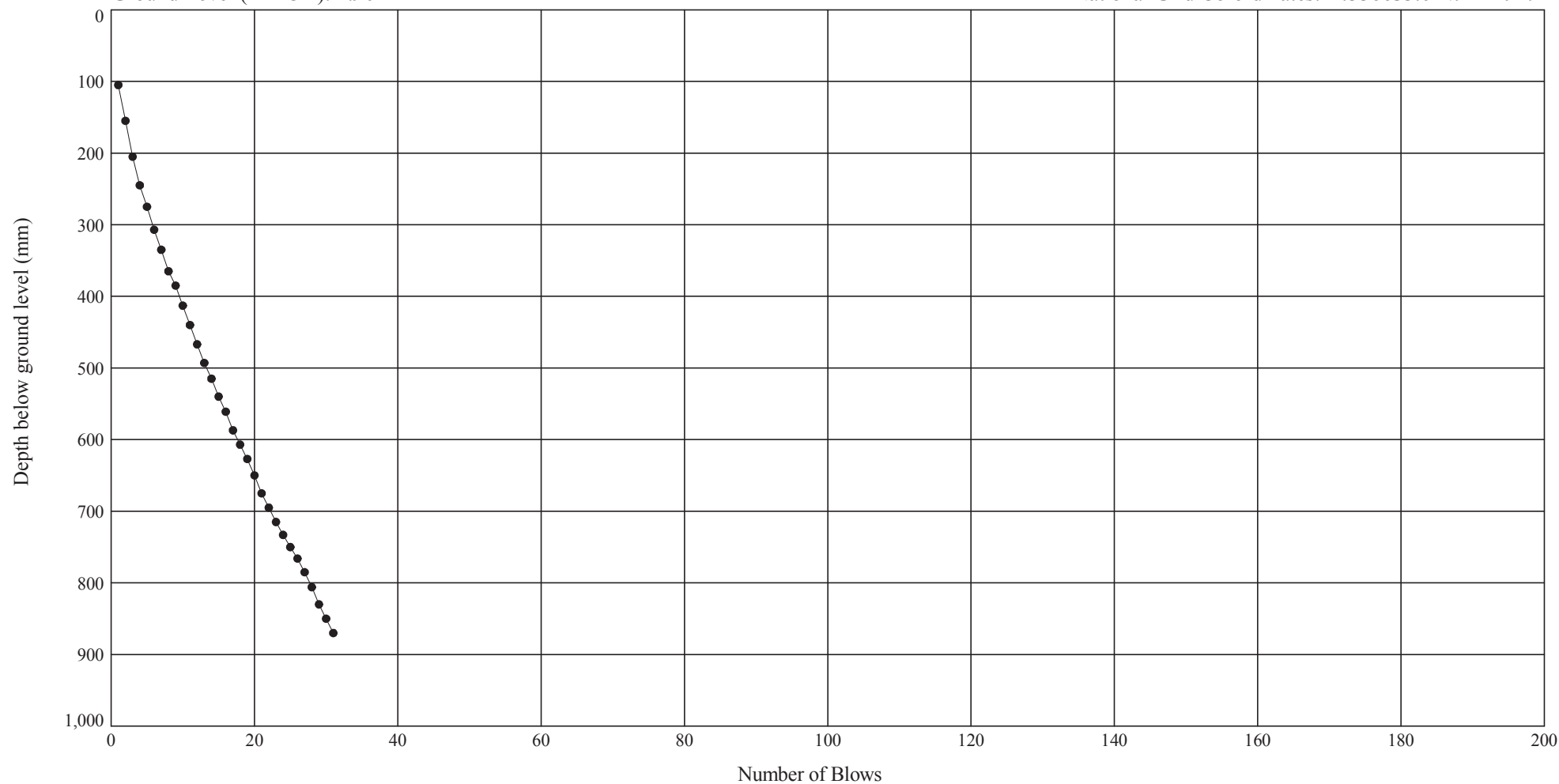
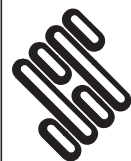
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DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR26**Test Date : **17.4.13**Ground Level (m AOD): **4.90**National Grid Co-ordinates: **E:336653.0 N:147291.7**Notes: **Test conducted in pasture field. Location: Mark.**

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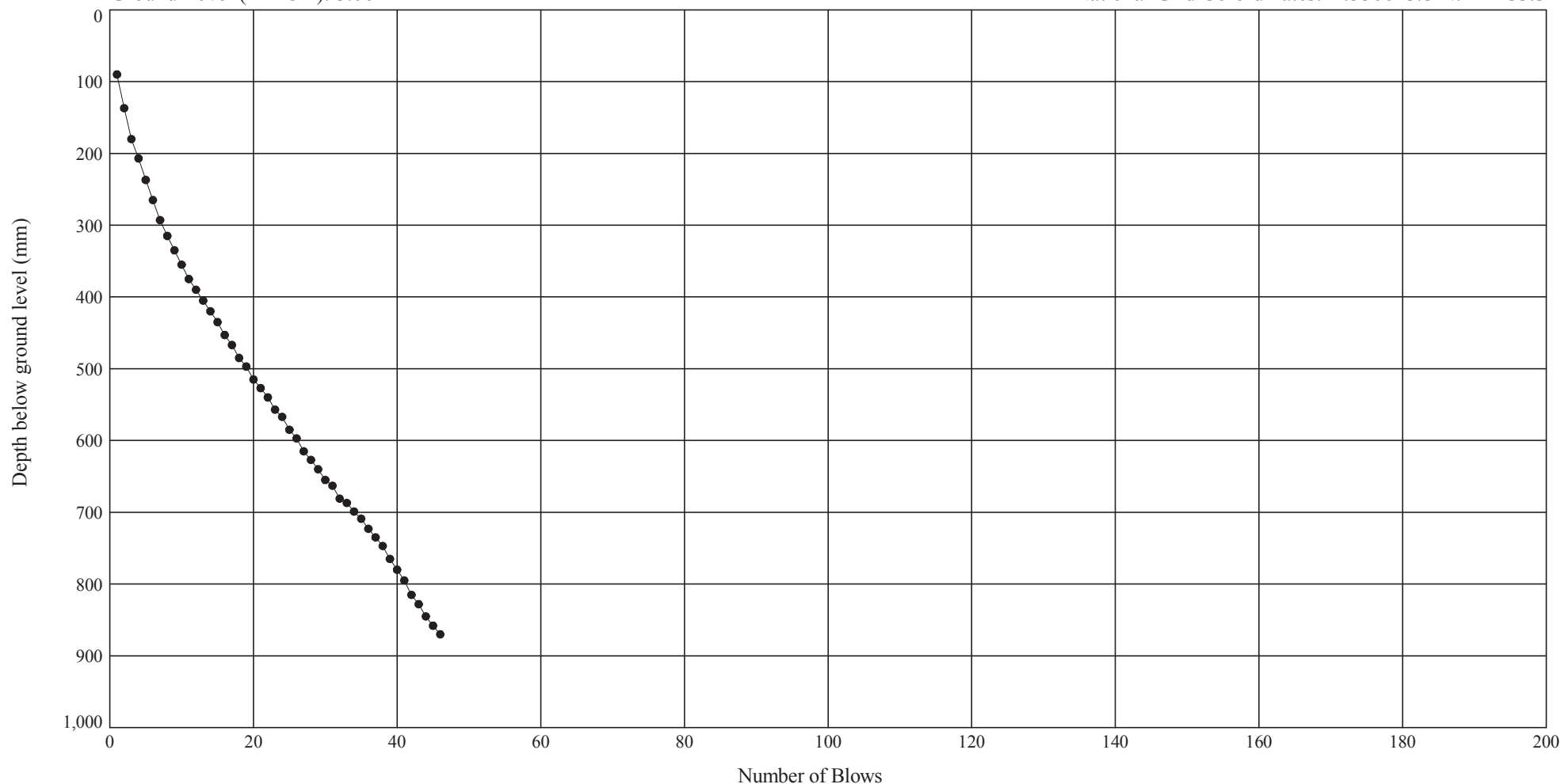
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR27**

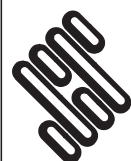
Test Date : **17.4.13**

Ground Level (m AOD): **5.06**

National Grid Co-ordinates: **E:336645.8 N:147455.5**



Notes: **Test conducted in pasture field. Location: Mark.**



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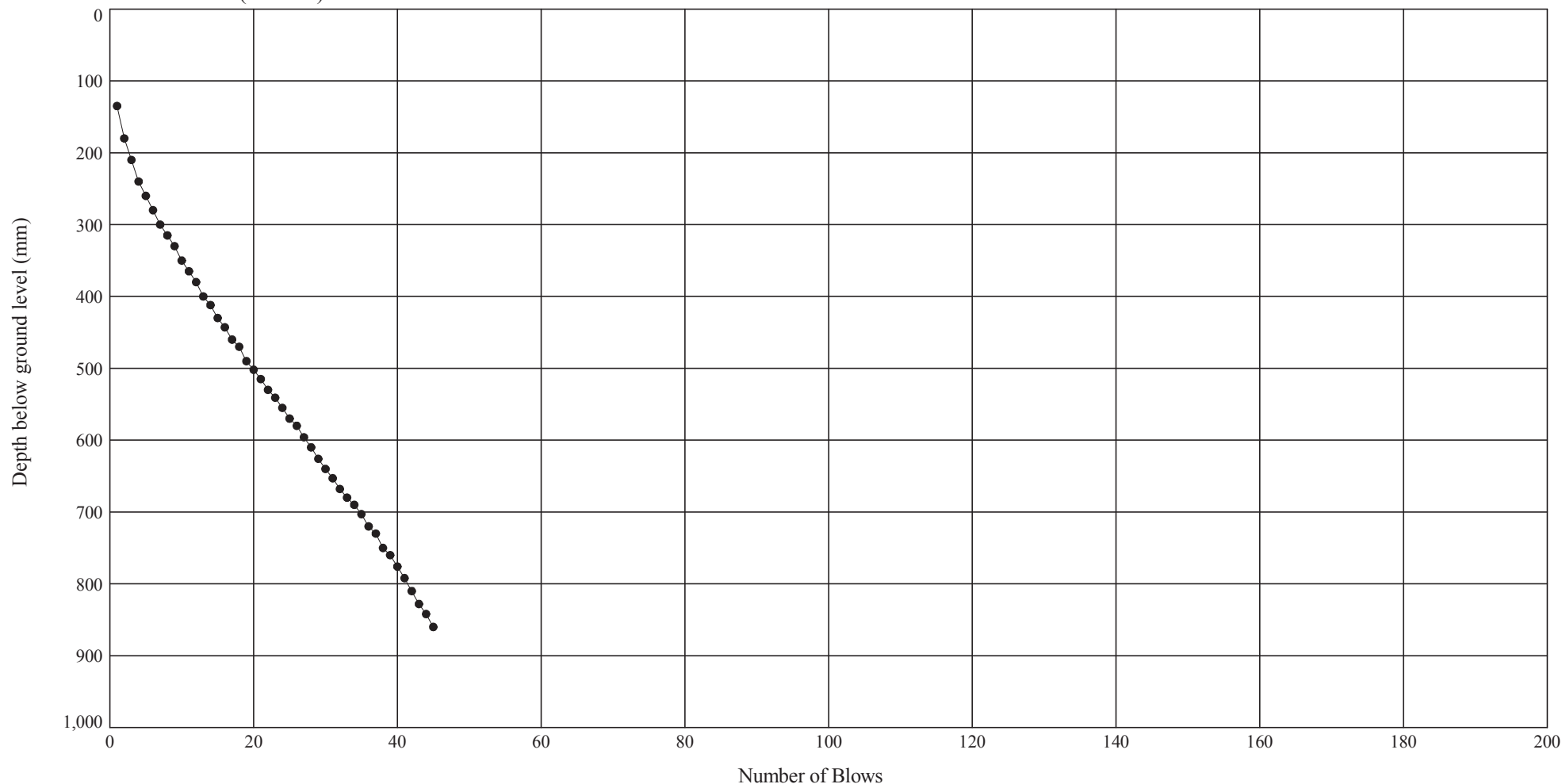
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR28**

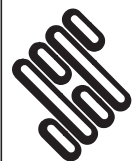
Test Date : **17.4.13**

Ground Level (m AOD): **5.07**

National Grid Co-ordinates: **E:336623.9 N:147823.1**



Notes: **Test conducted in pasture field. Location: Mark.**



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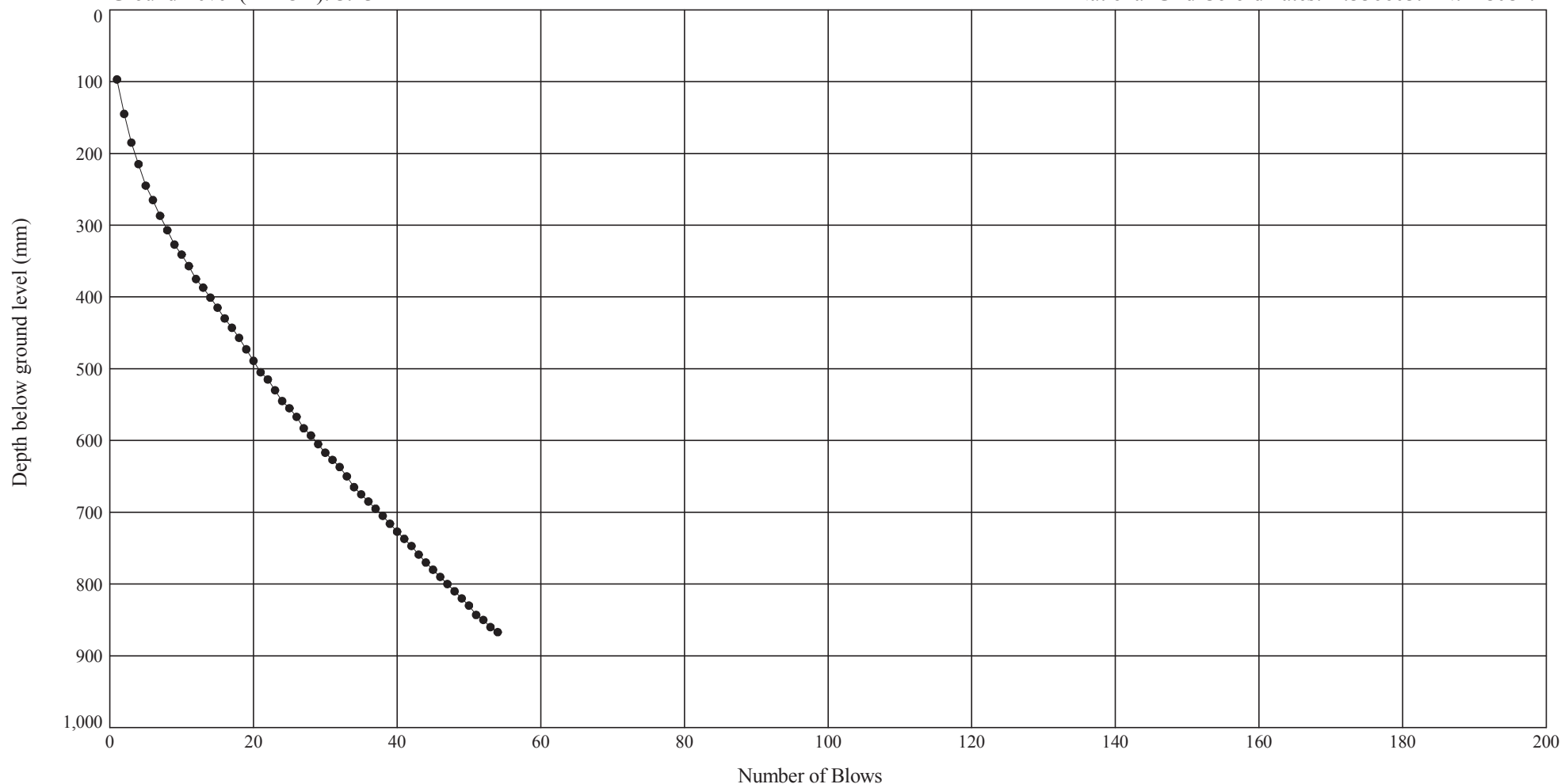
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR29**

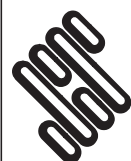
Test Date : **17.4.13**

Ground Level (m AOD): **5.15**

National Grid Co-ordinates: **E:336603.1 N:148082.1**



Notes: **Test conducted in pasture field. Location: Mark.**



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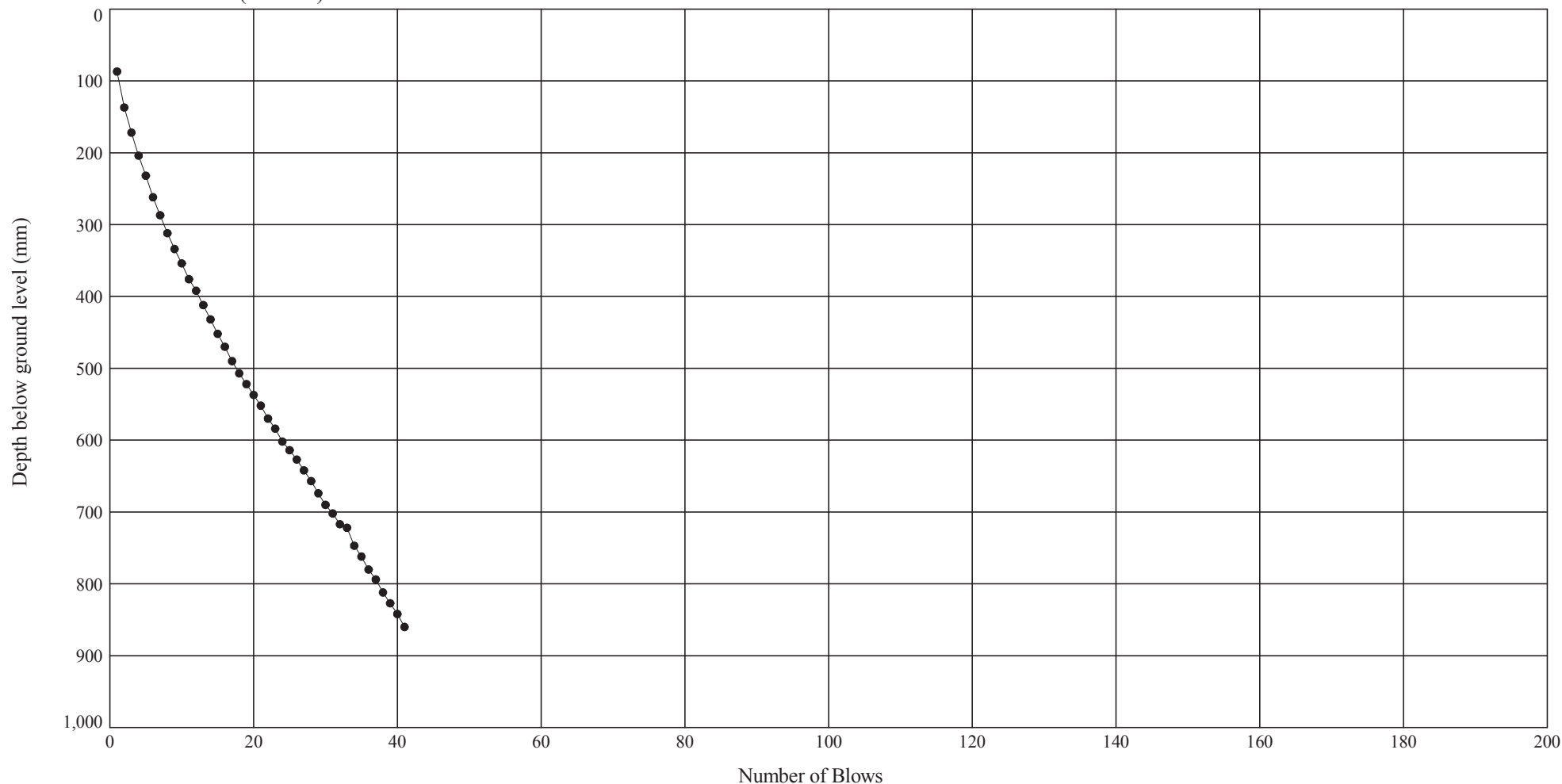
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR30**

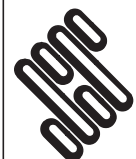
Test Date : **17.4.13**

Ground Level (m AOD): **5.16**

National Grid Co-ordinates: **E:336612.0 N:148392.9**



Notes: **Test conducted in pasture field. Location: Mark.**



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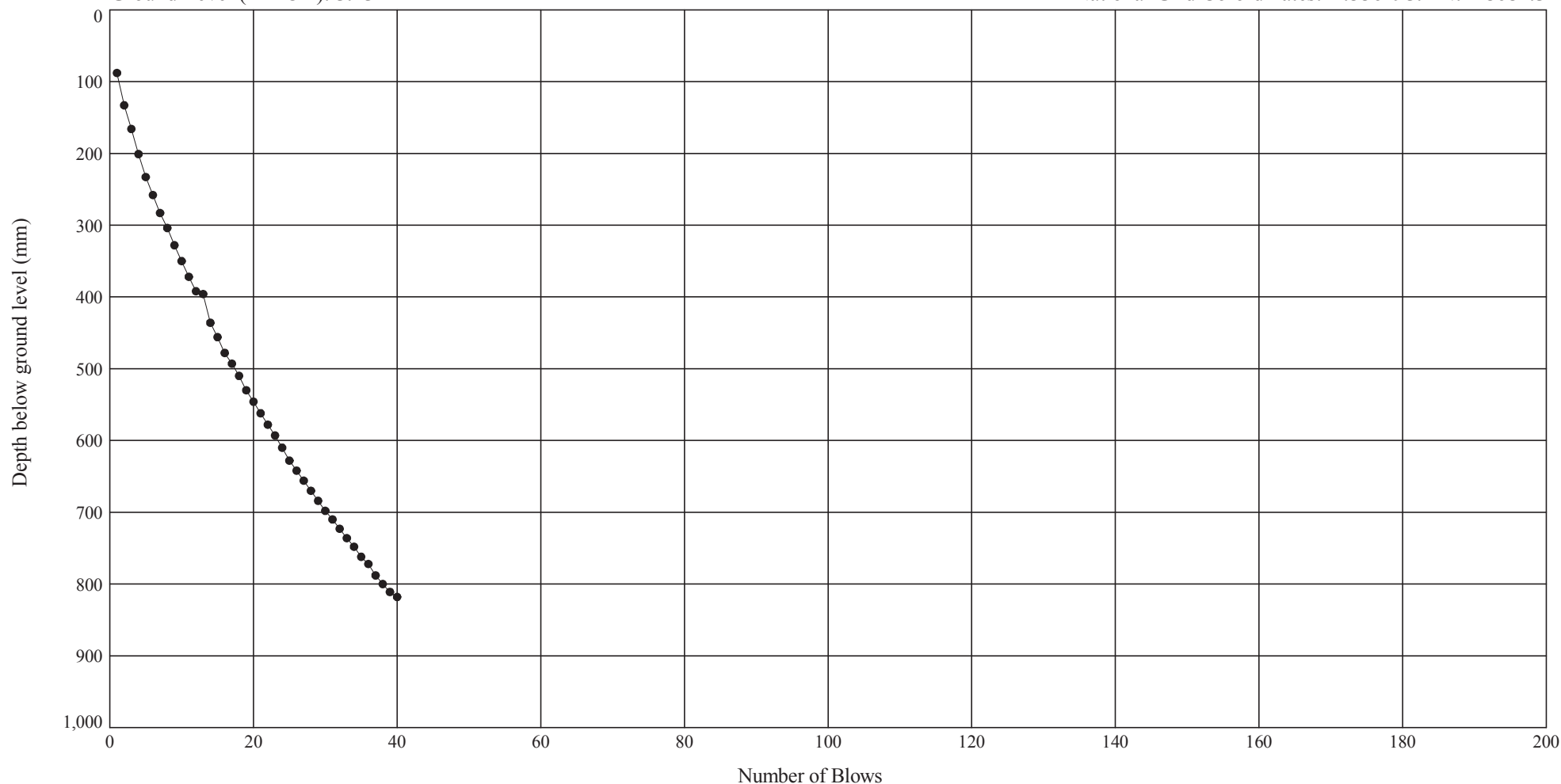
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR31**

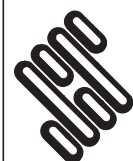
Test Date : **17.4.13**

Ground Level (m AOD): **5.15**

National Grid Co-ordinates: **E:336795.7 N:148684.5**



Notes: **Test conducted in pasture field. Location: Mark.**



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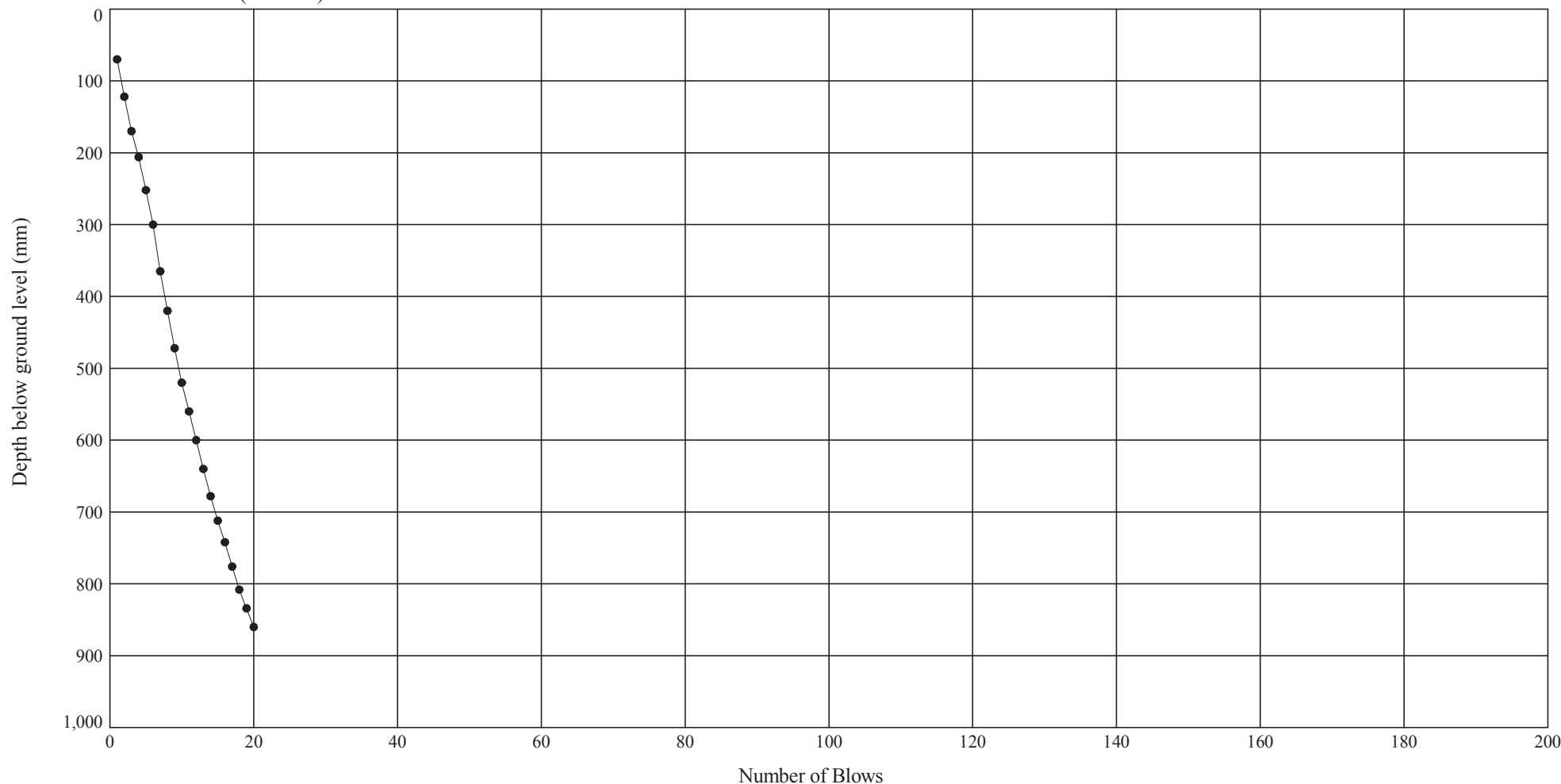
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR32**

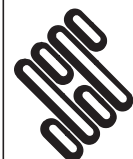
Test Date : **17.4.13**

Ground Level (m AOD): **5.08**

National Grid Co-ordinates: **E:336992.5 N:148942.0**



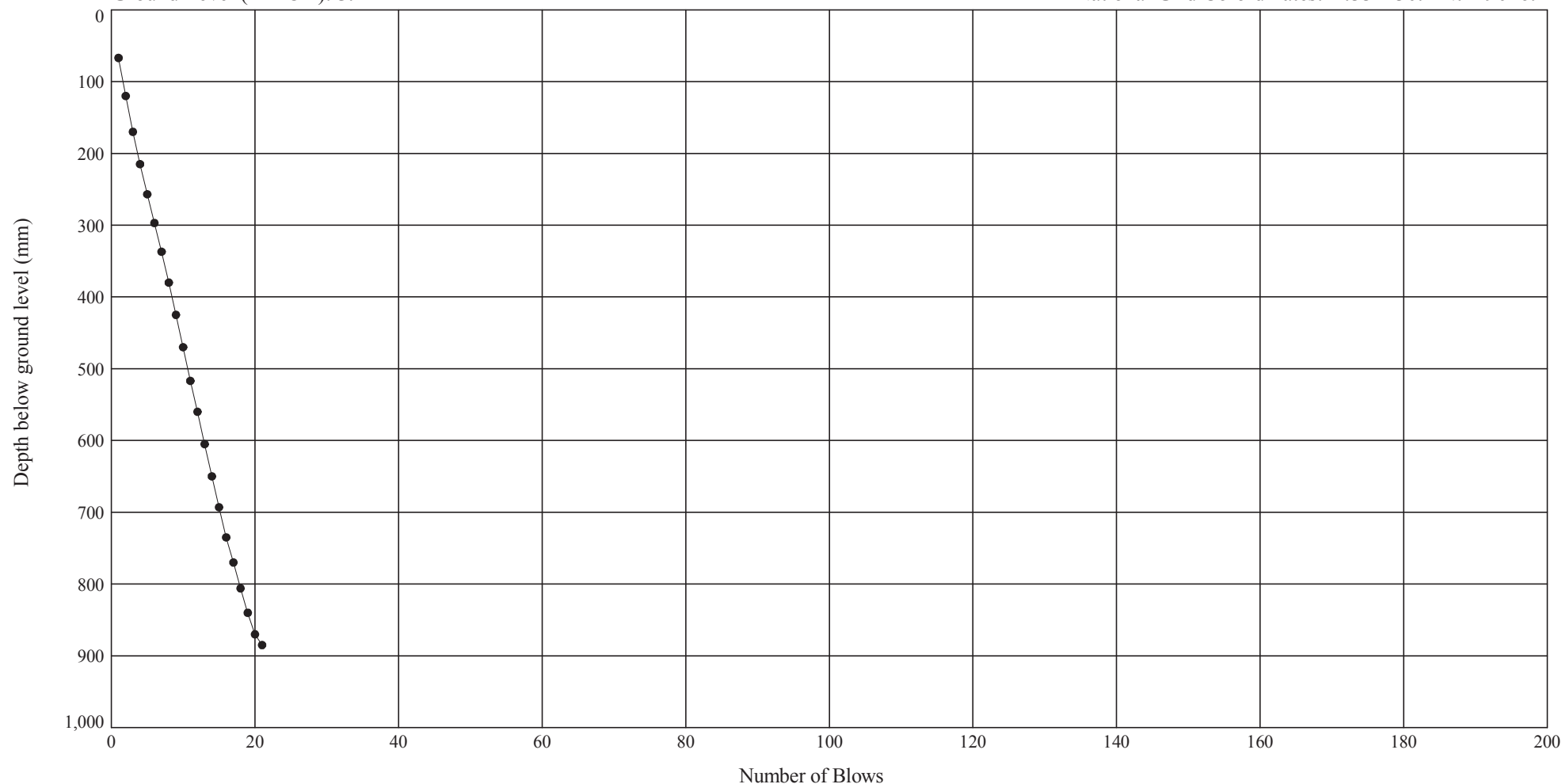
Notes: **Test conducted in pasture field. Location: Mark.**



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DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR33**Test Date : **17.4.13**Ground Level (m AOD): **5.24**National Grid Co-ordinates: **E:337130.4 N:149016.1**Notes: **Test conducted in pasture field. Location: Mark.**

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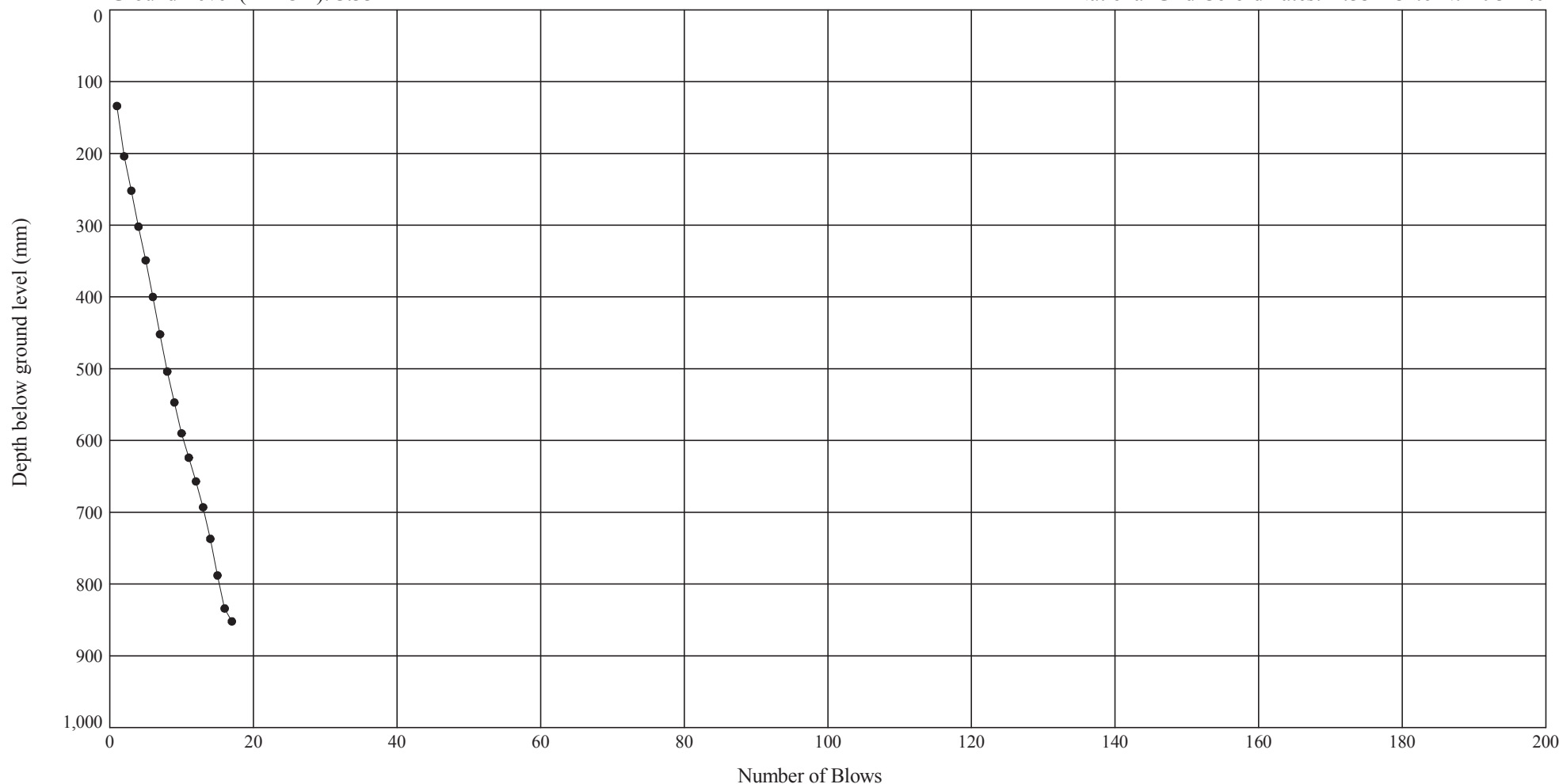
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR34**

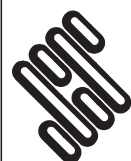
Test Date : **17.4.13**

Ground Level (m AOD): **5.33**

National Grid Co-ordinates: **E:337181.6 N:149341.0**



Notes: **Test conducted in pasture field. Location: Mark.**



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Contract	<div>Hinkley to Seabank 400kV Connection</div>				

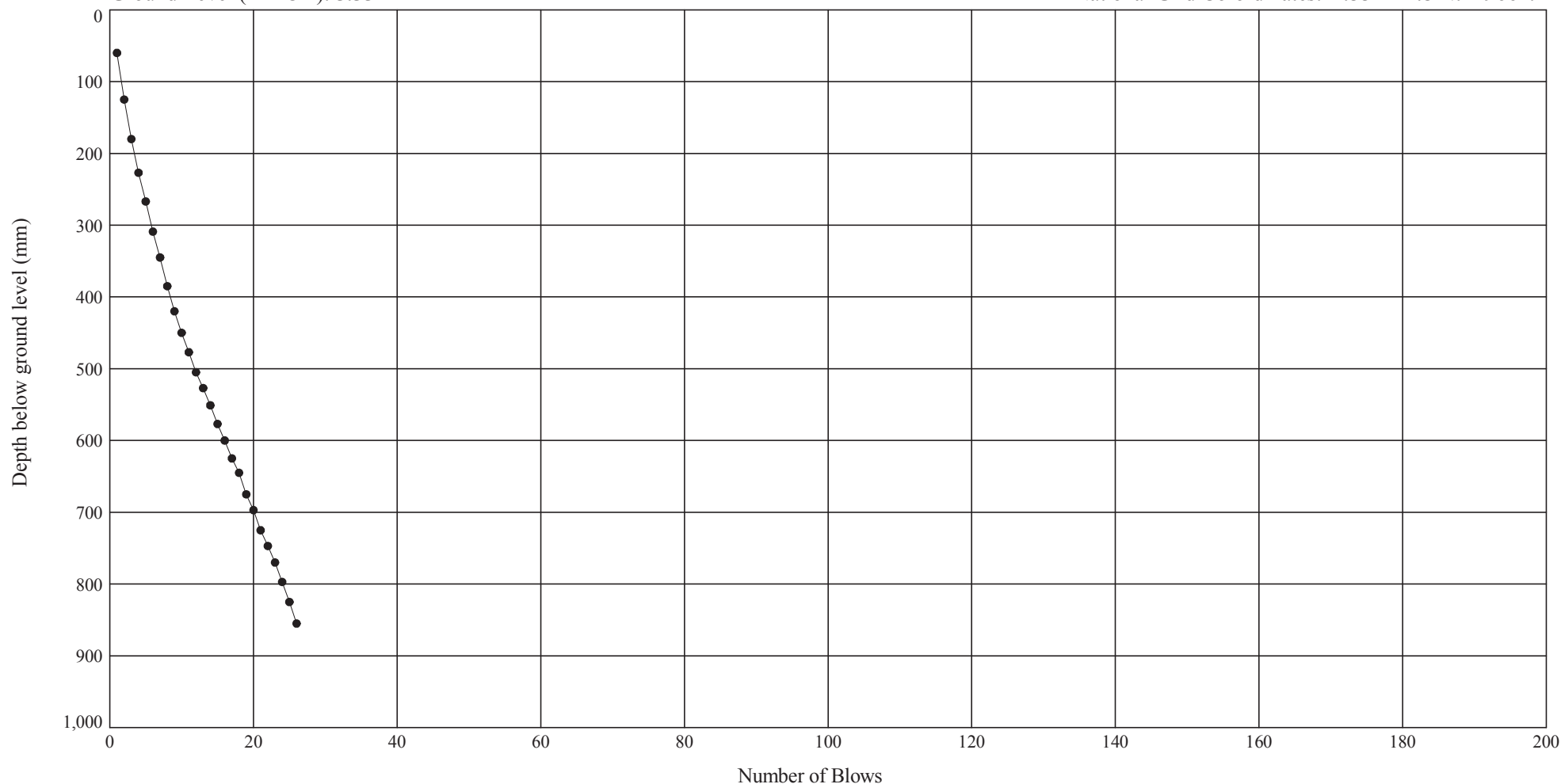
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR35**

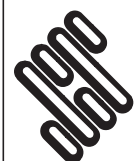
Test Date : **17.4.13**

Ground Level (m AOD): **5.55**

National Grid Co-ordinates: **E:337221.8 N:149661.1**



Notes: **Test conducted in pasture field. Location: Mark.**



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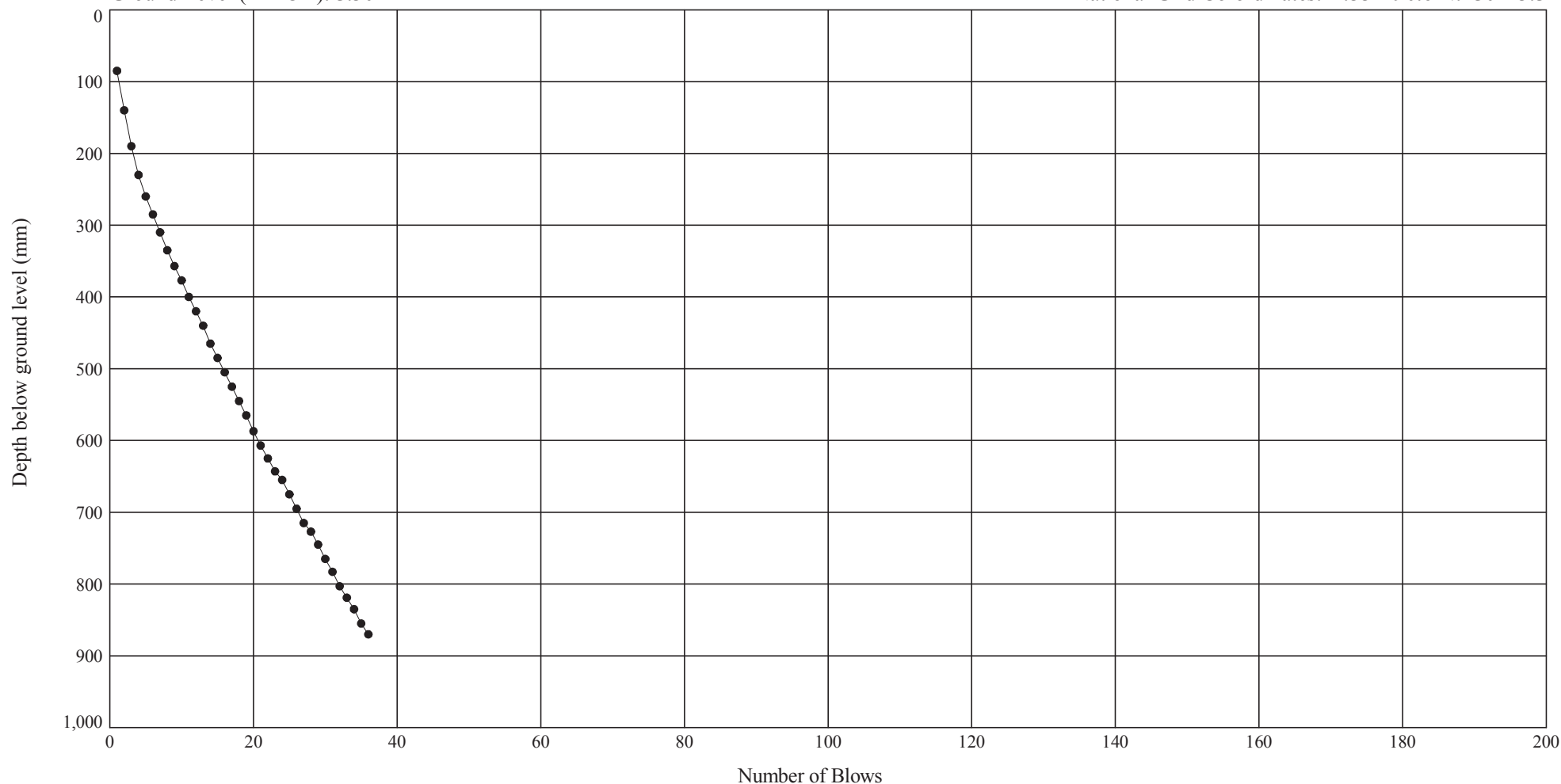
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR36**

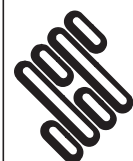
Test Date : **17.4.13**

Ground Level (m AOD): **5.30**

National Grid Co-ordinates: **E:337190.6 N:150123.5**



Notes: **Test conducted in pasture field. Location: Mark.**



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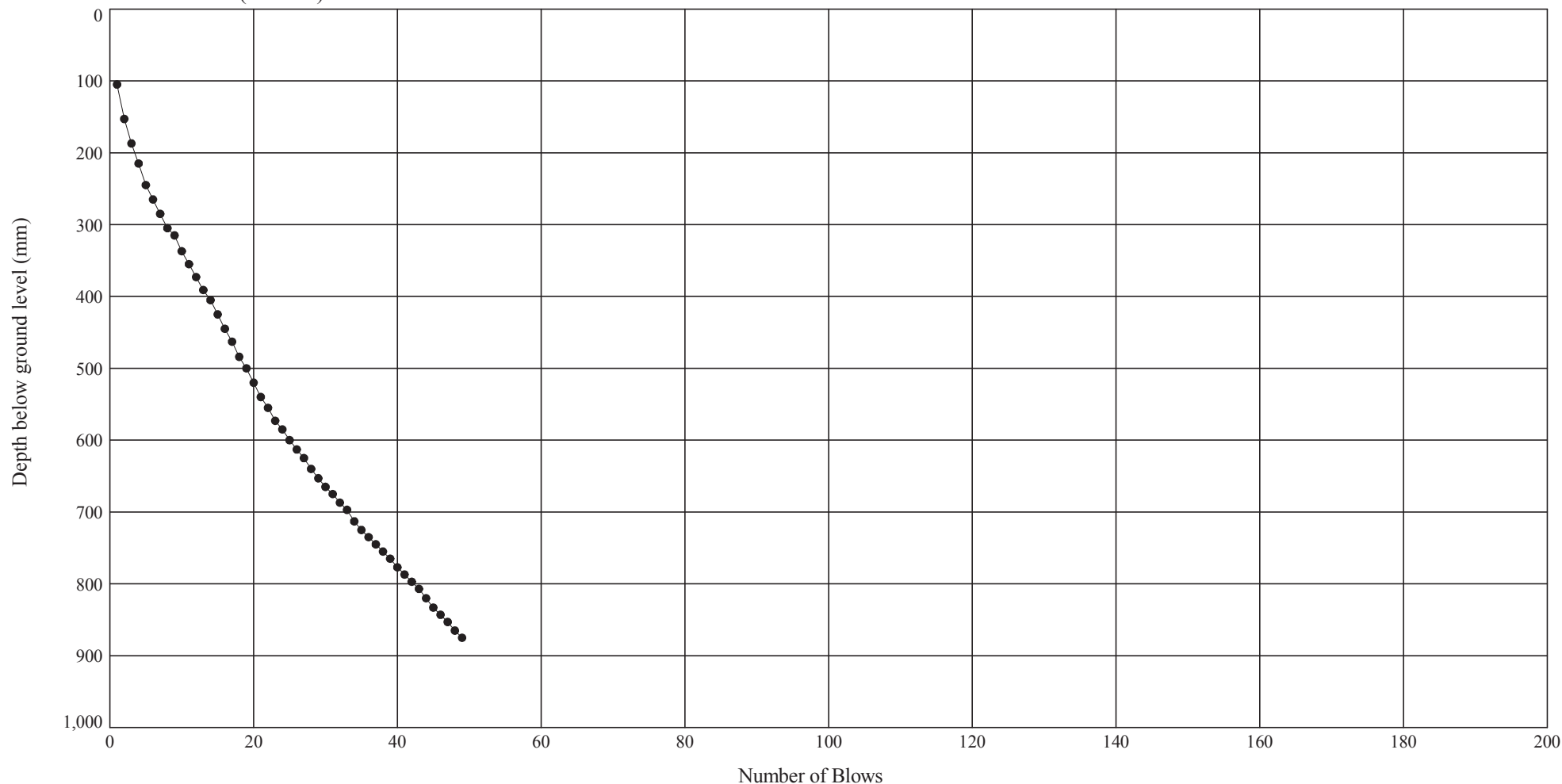
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR37**

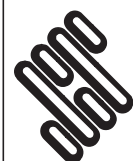
Test Date : **17.4.13**

Ground Level (m AOD): **5.21**

National Grid Co-ordinates: **E:337218.5 N:150424.9**



Notes: **Test conducted in pasture field. Location: Rooks Bridge.**



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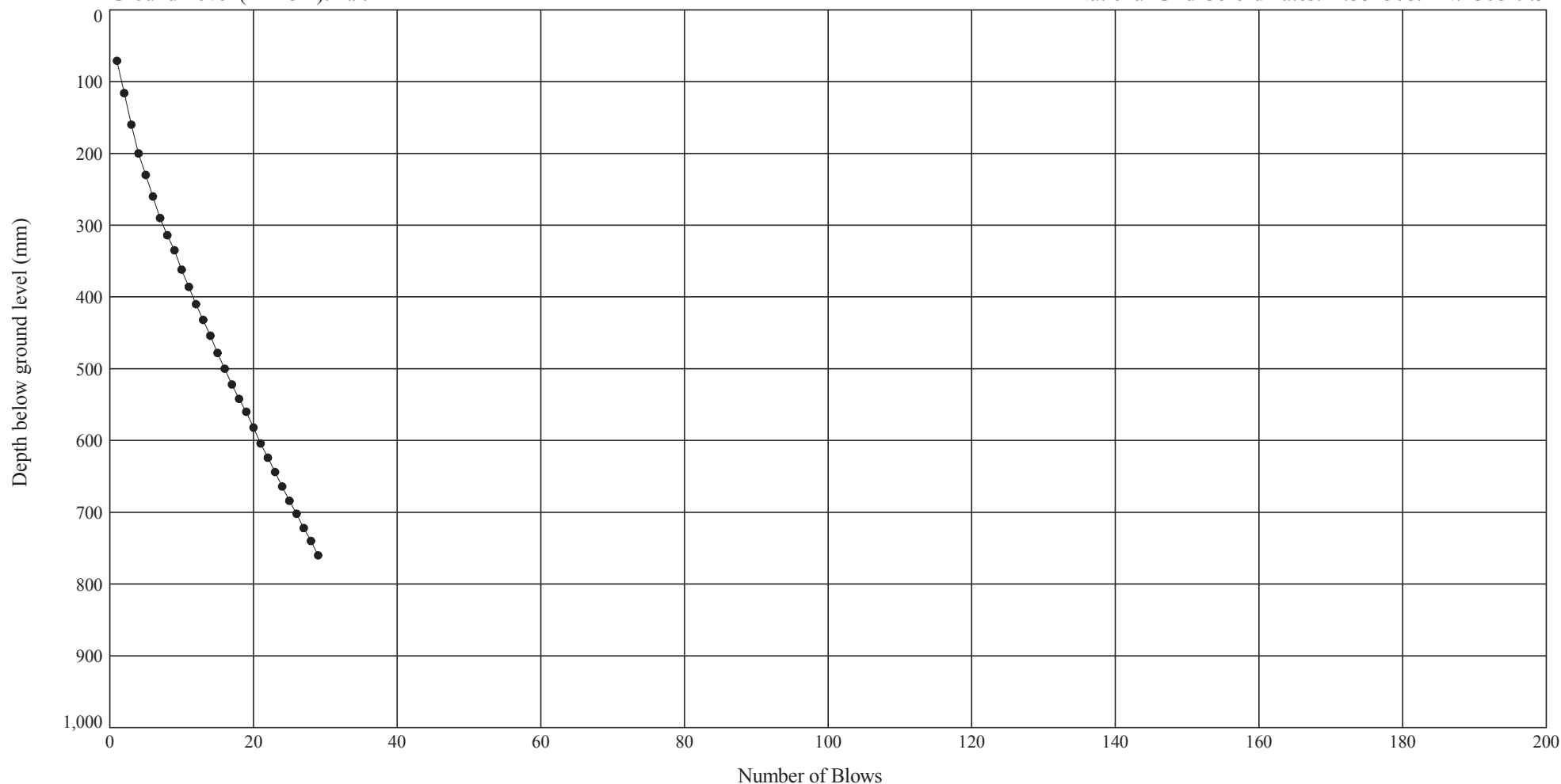
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR38**

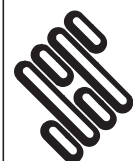
Test Date : **17.4.13**

Ground Level (m AOD): **4.99**

National Grid Co-ordinates: **E:337308.2 N:150849.3**



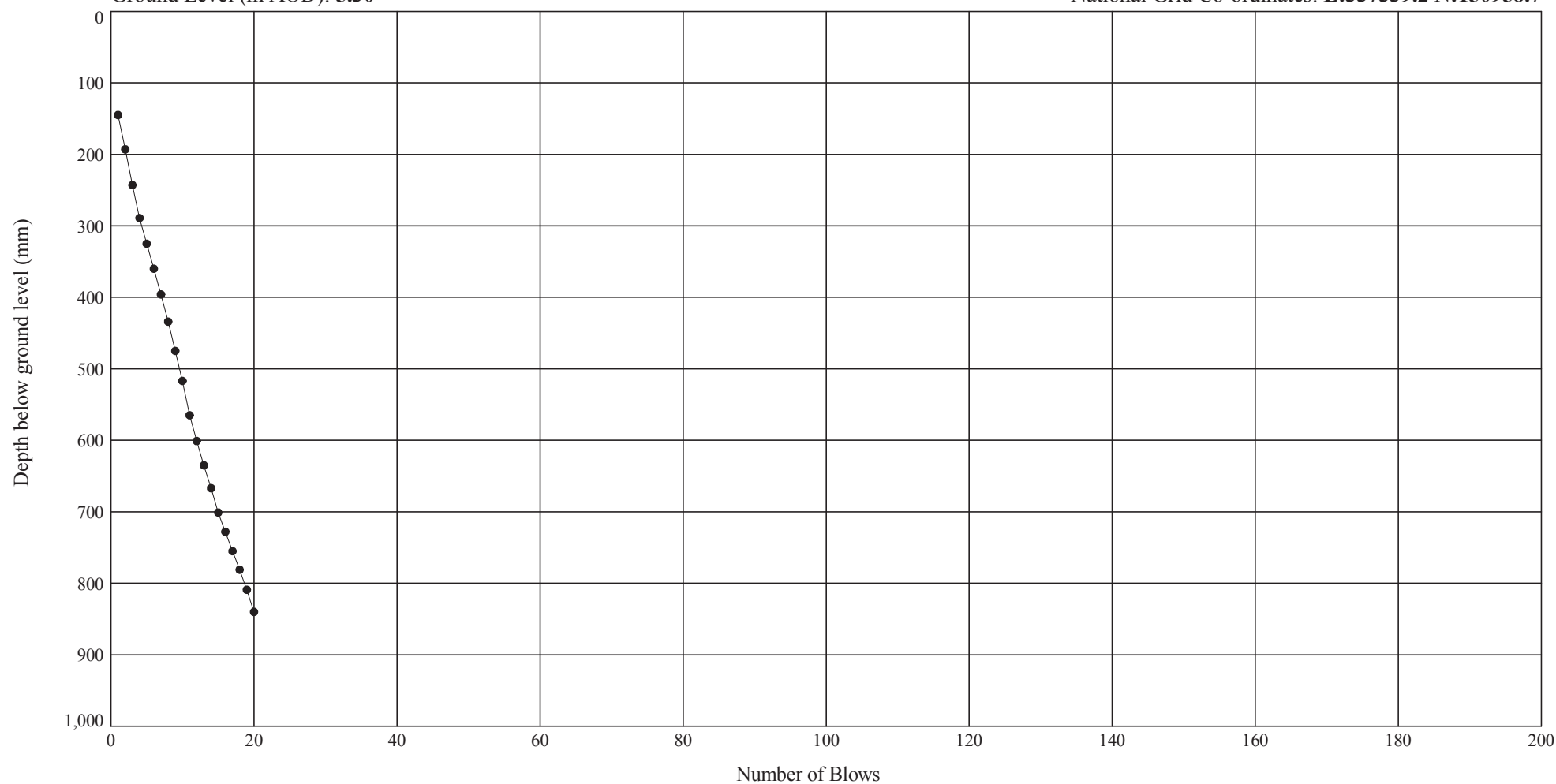
Notes: **Test conducted in pasture field. Location: Rooks Bridge.**



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DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR39**Test Date : **17.4.13**Ground Level (m AOD): **5.30**National Grid Co-ordinates: **E:337339.2 N:150958.7**Notes: **Test conducted in rough pasture at margin of ploughed field. Location: Rooks Bridge.**

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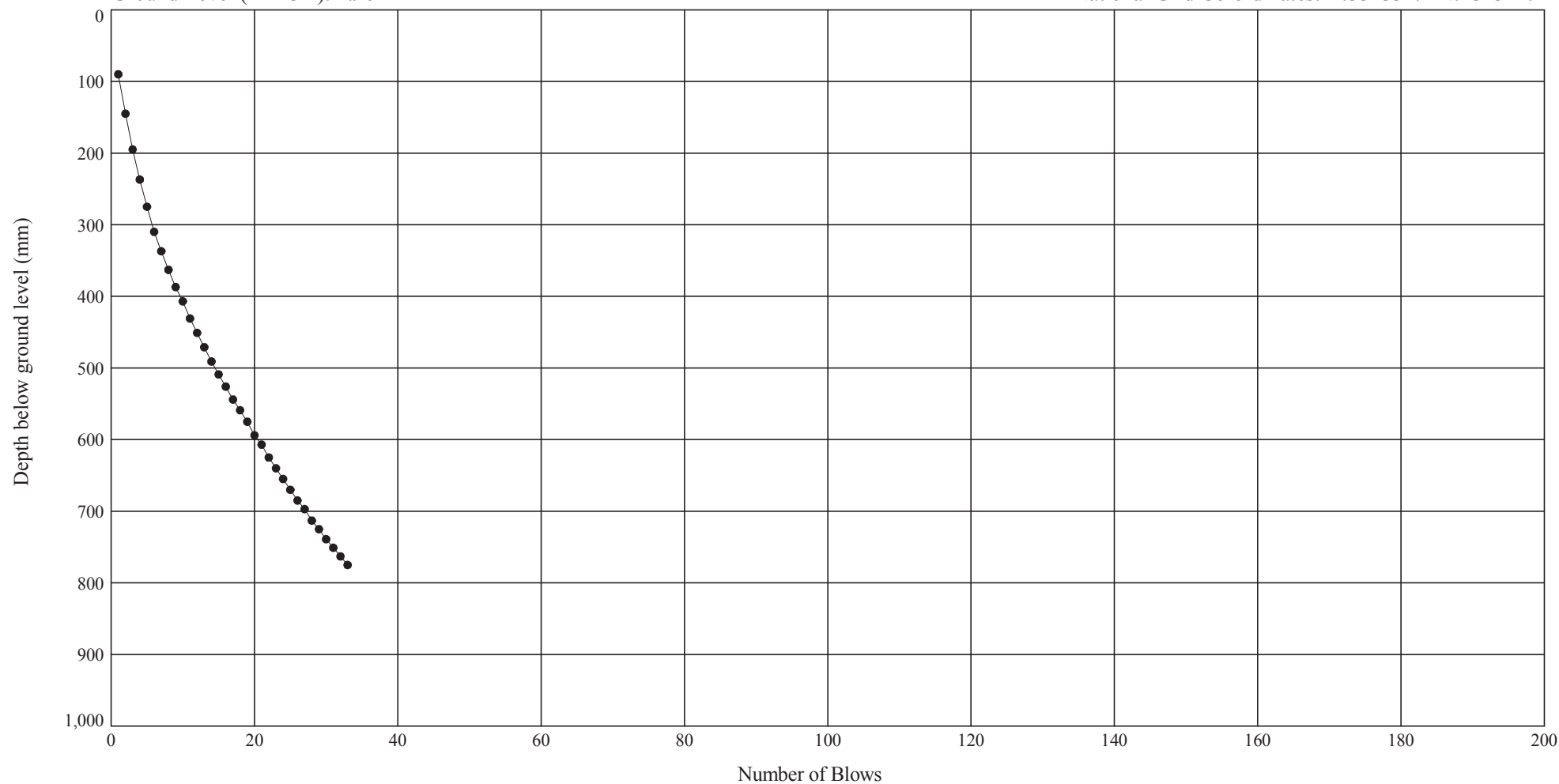
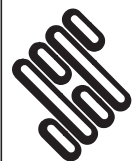
Date

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DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR40**Test Date : **18.4.13**Ground Level (m AOD): **4.96**National Grid Co-ordinates: **E:337331.7 N:151344.1**Notes: **Test conducted in pasture field. Location: Rooks Bridge.**

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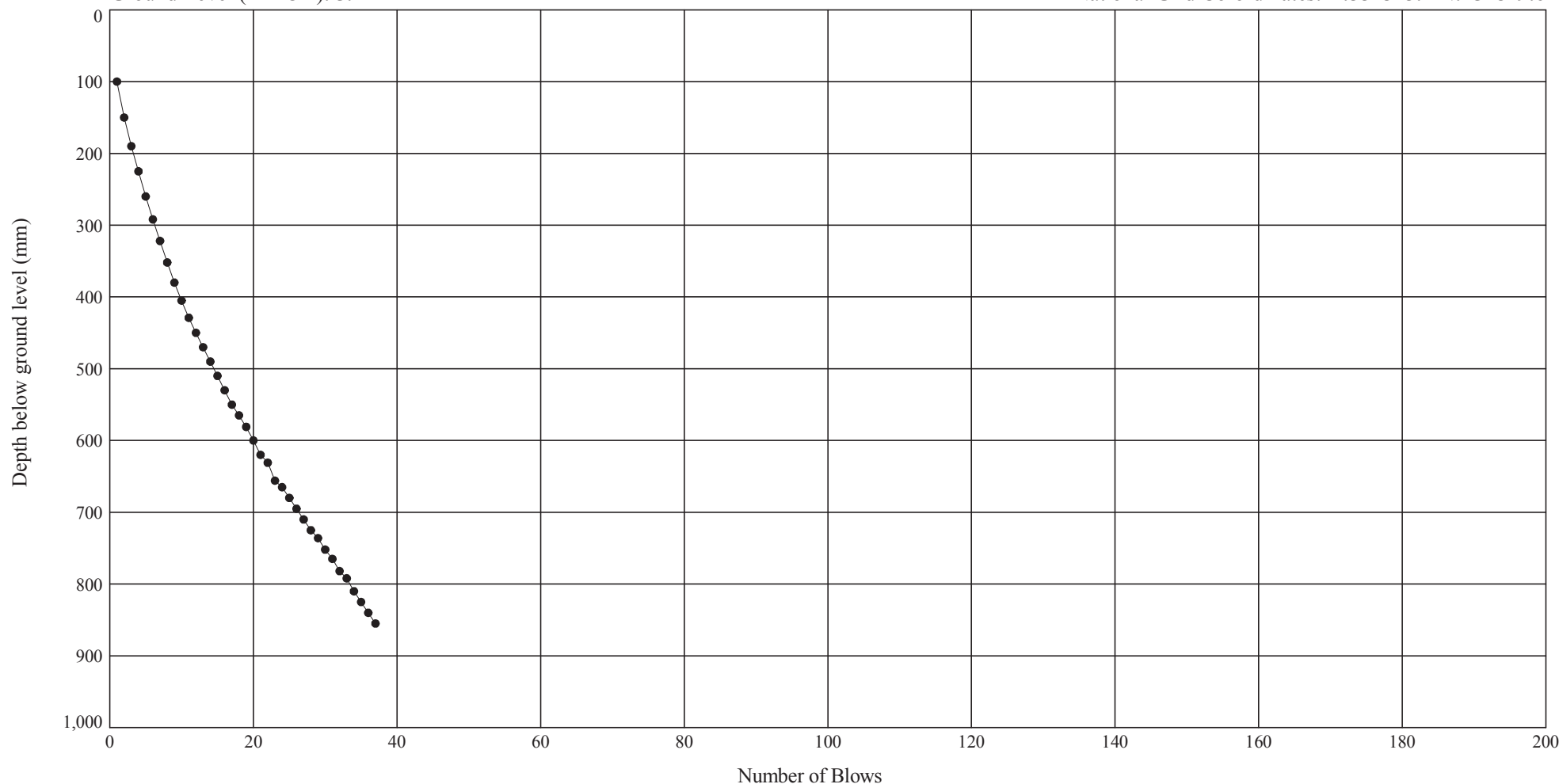
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR41**

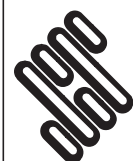
Test Date : **18.4.13**

Ground Level (m AOD): **5.72**

National Grid Co-ordinates: **E:337373.4 N:151879.6**



Notes: **Test conducted in pasture field. Location: Rooks Bridge.**



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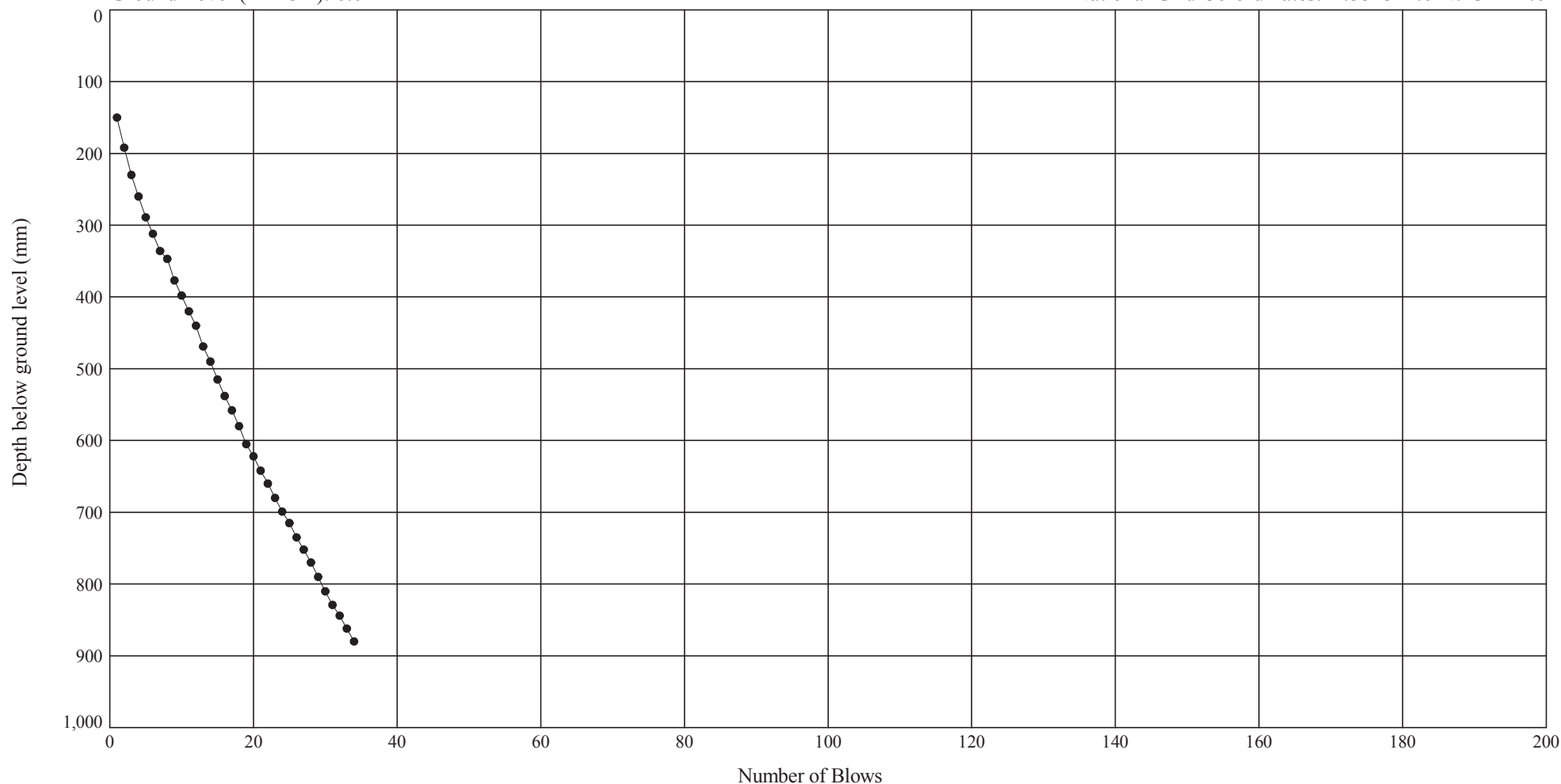
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR42**

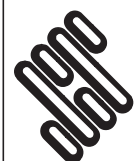
Test Date : **18.4.13**

Ground Level (m AOD): **6.02**

National Grid Co-ordinates: **E:337372.0 N:152444.6**



Notes: **Test conducted in pasture field. Location: Rooks Bridge.**



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Contract	<div>Hinkley to Seabank 400kV Connection</div>					

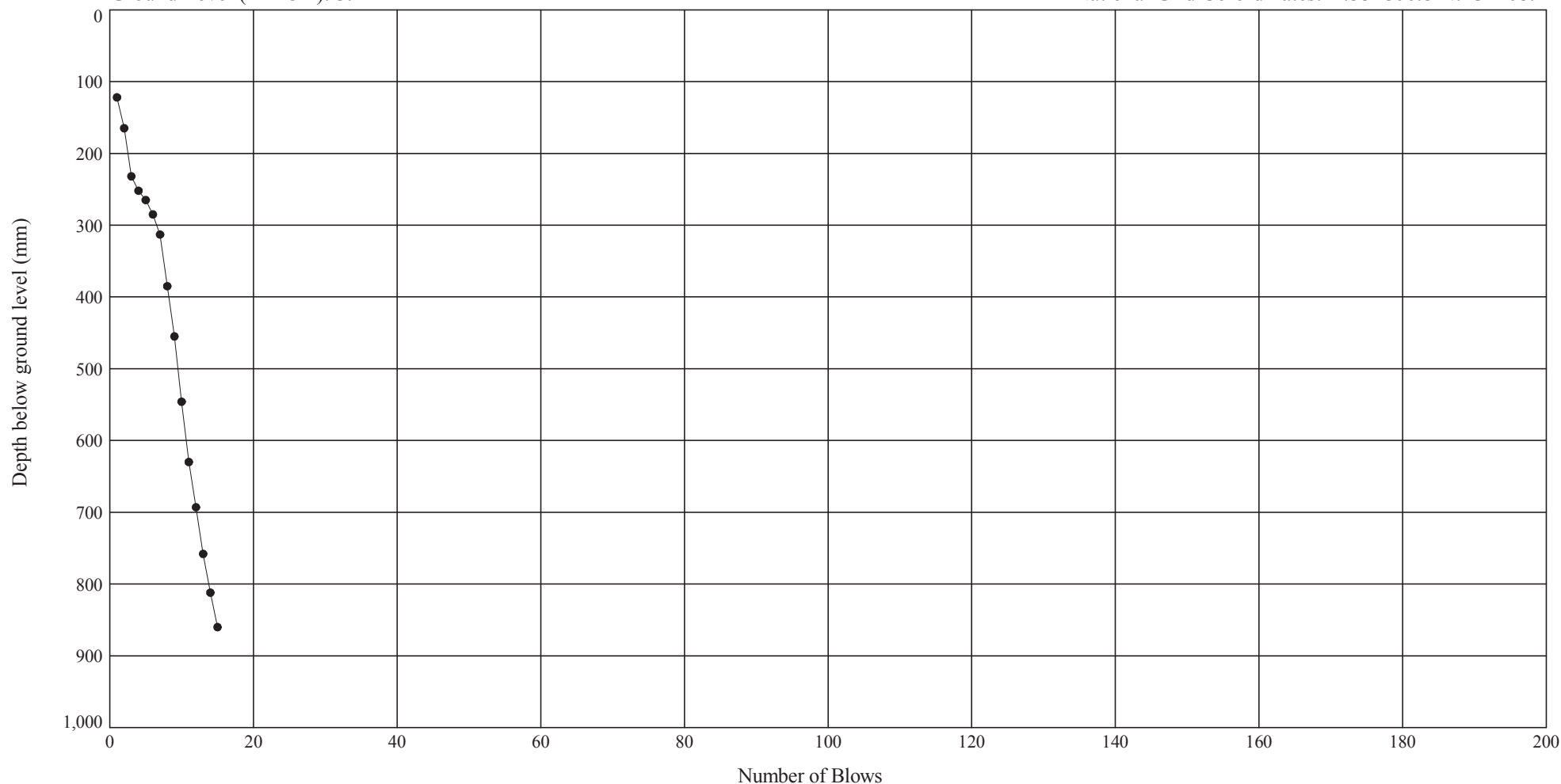
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR43**

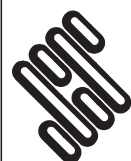
Test Date : **18.4.13**

Ground Level (m AOD): **5.71**

National Grid Co-ordinates: **E:337806.8 N:152708.2**



Notes: **Test conducted in pasture field. Location: Rooks Bridge.**



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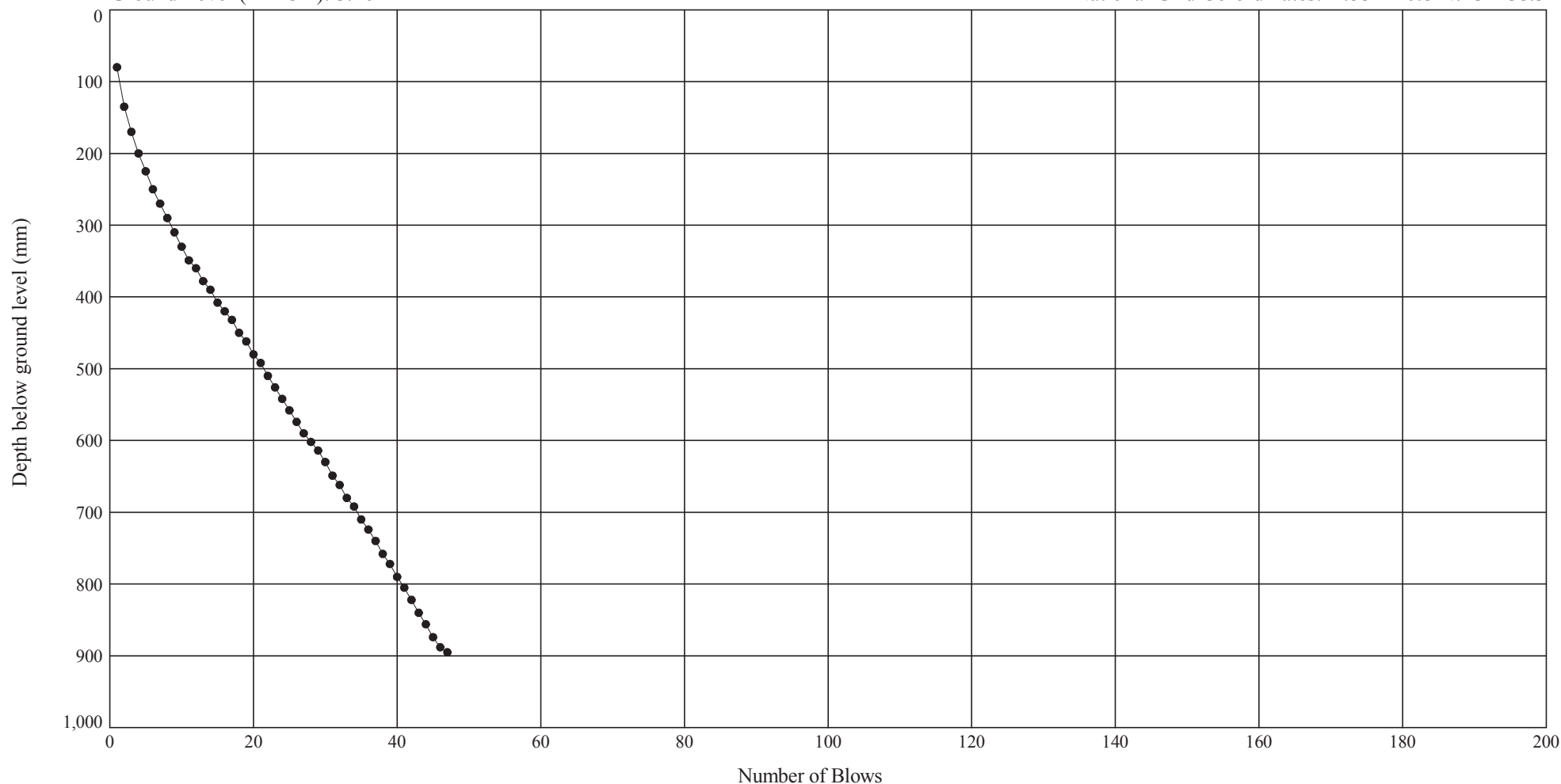
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR44**

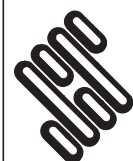
Test Date : **18.4.13**

Ground Level (m AOD): **5.76**

National Grid Co-ordinates: **E:337410.8 N:152758.3**



Notes: **Test conducted in pasture field. Location: Rooks Bridge.**



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Date

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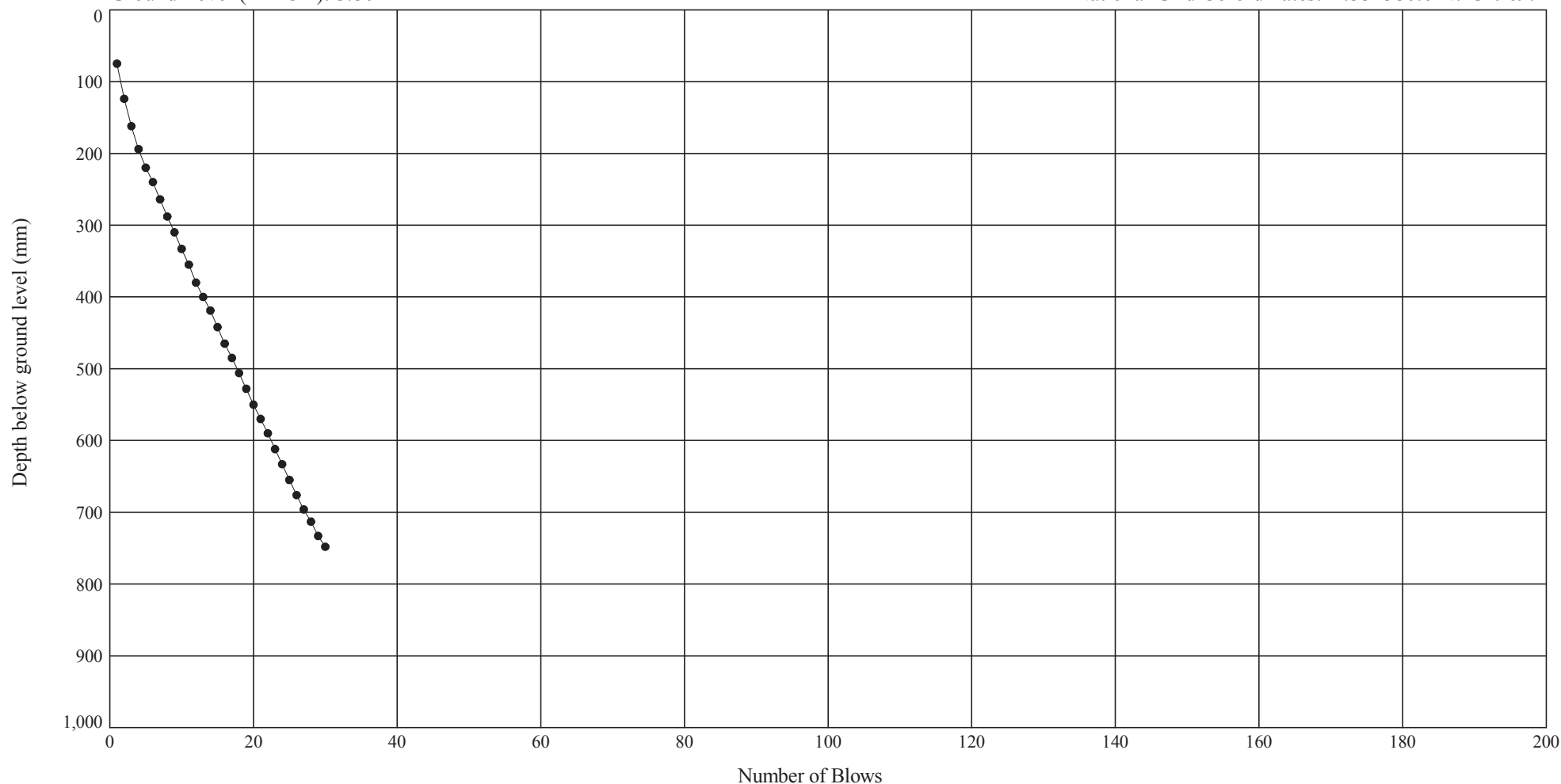
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR45**

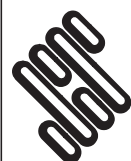
Test Date : **12.4.13**

Ground Level (m AOD): **5.80**

National Grid Co-ordinates: **E:337380.6 N:152969.4**



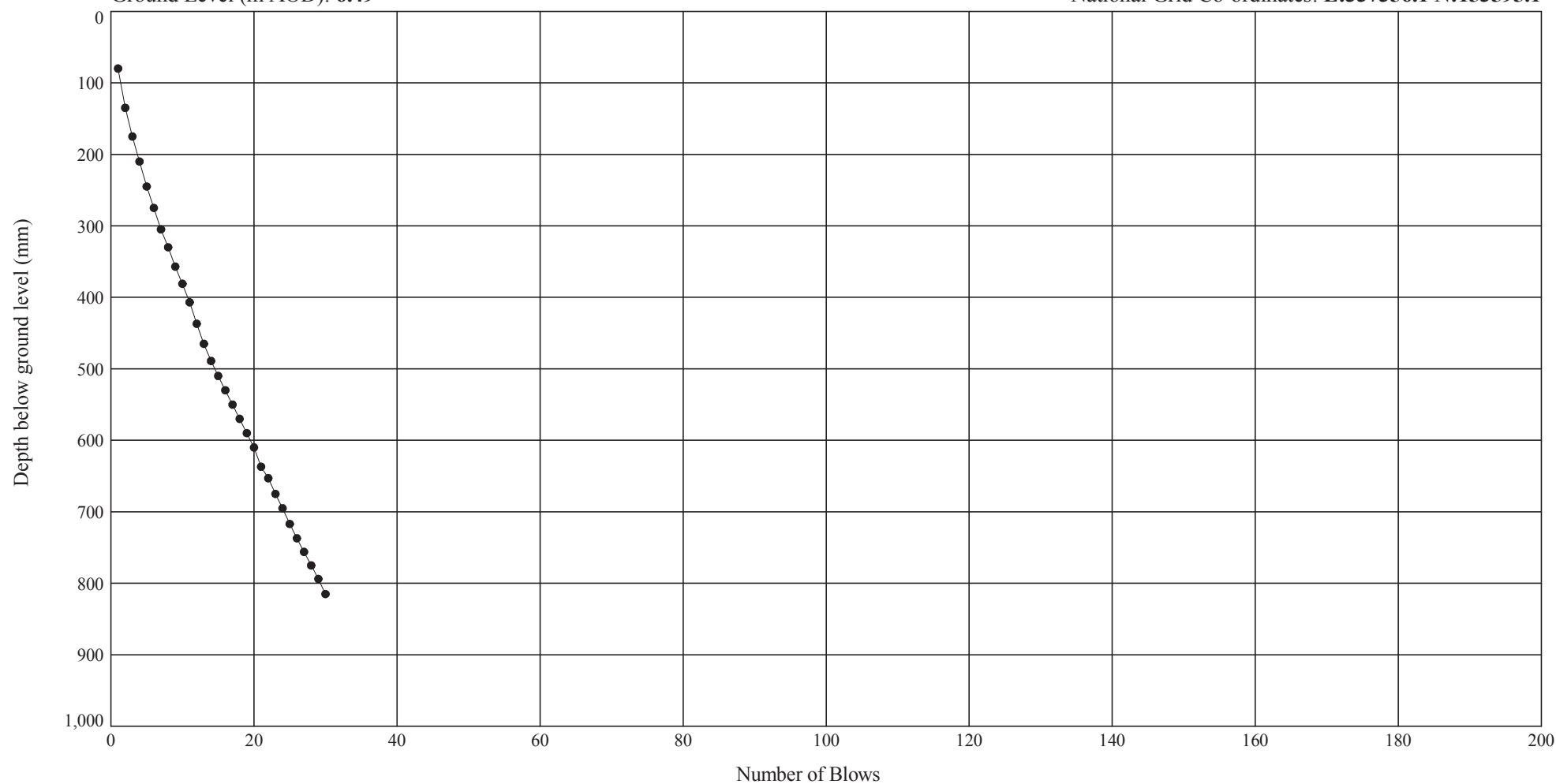
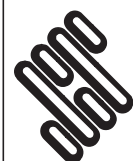
Notes: **Test conducted in pasture field. Location: Rooks Bridge.**



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DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR46**Test Date : **12.4.13**Ground Level (m AOD): **6.49**National Grid Co-ordinates: **E:337356.1 N:153595.1**Notes: **Test conducted in pasture field. Location: Biddisham.**

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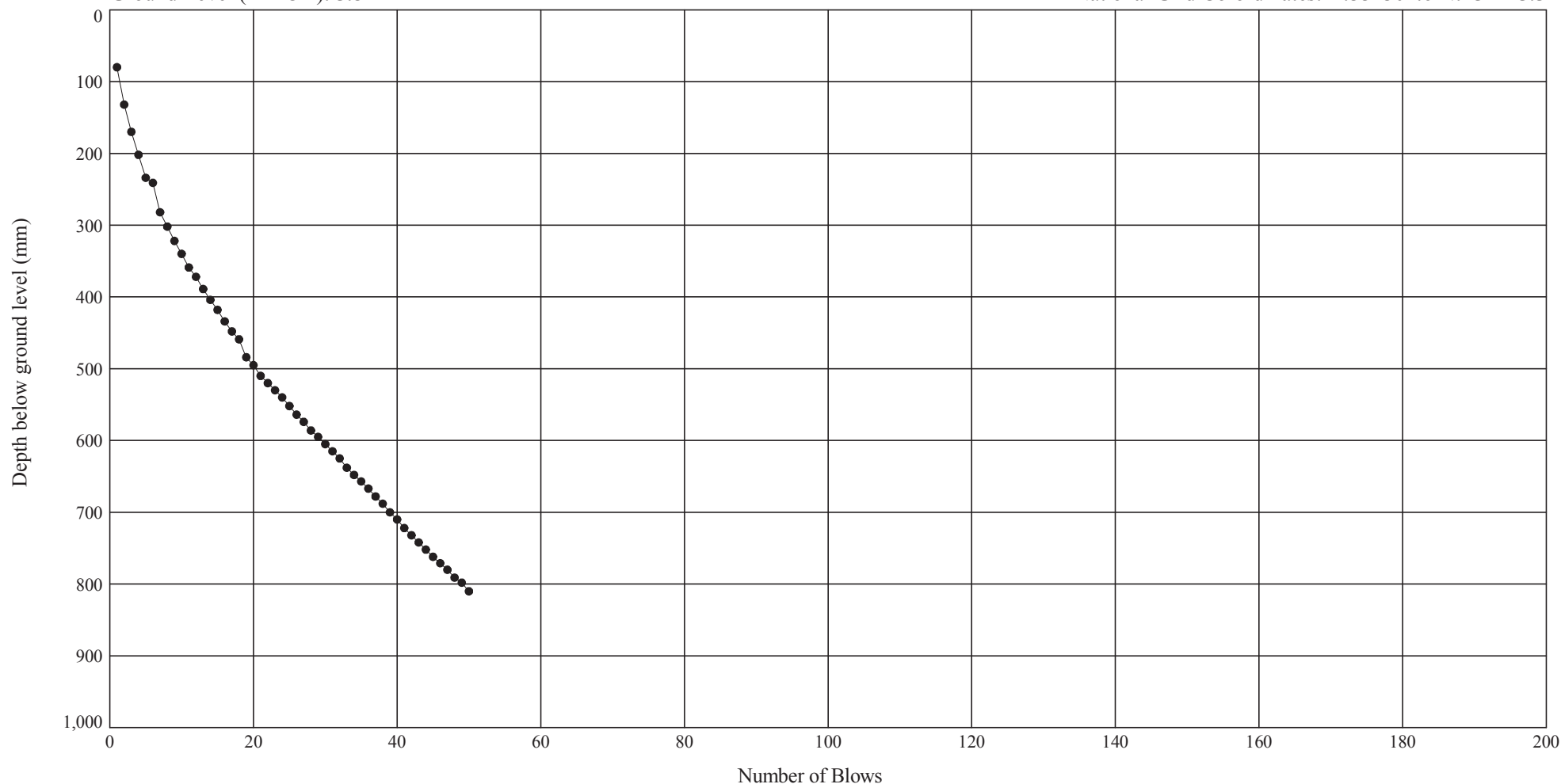
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR47**

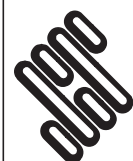
Test Date : **12.4.13**

Ground Level (m AOD): **5.87**

National Grid Co-ordinates: **E:337304.6 N:154425.5**



Notes: **Test conducted in pasture field. Location: Biddisham.**



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Checked By

Date

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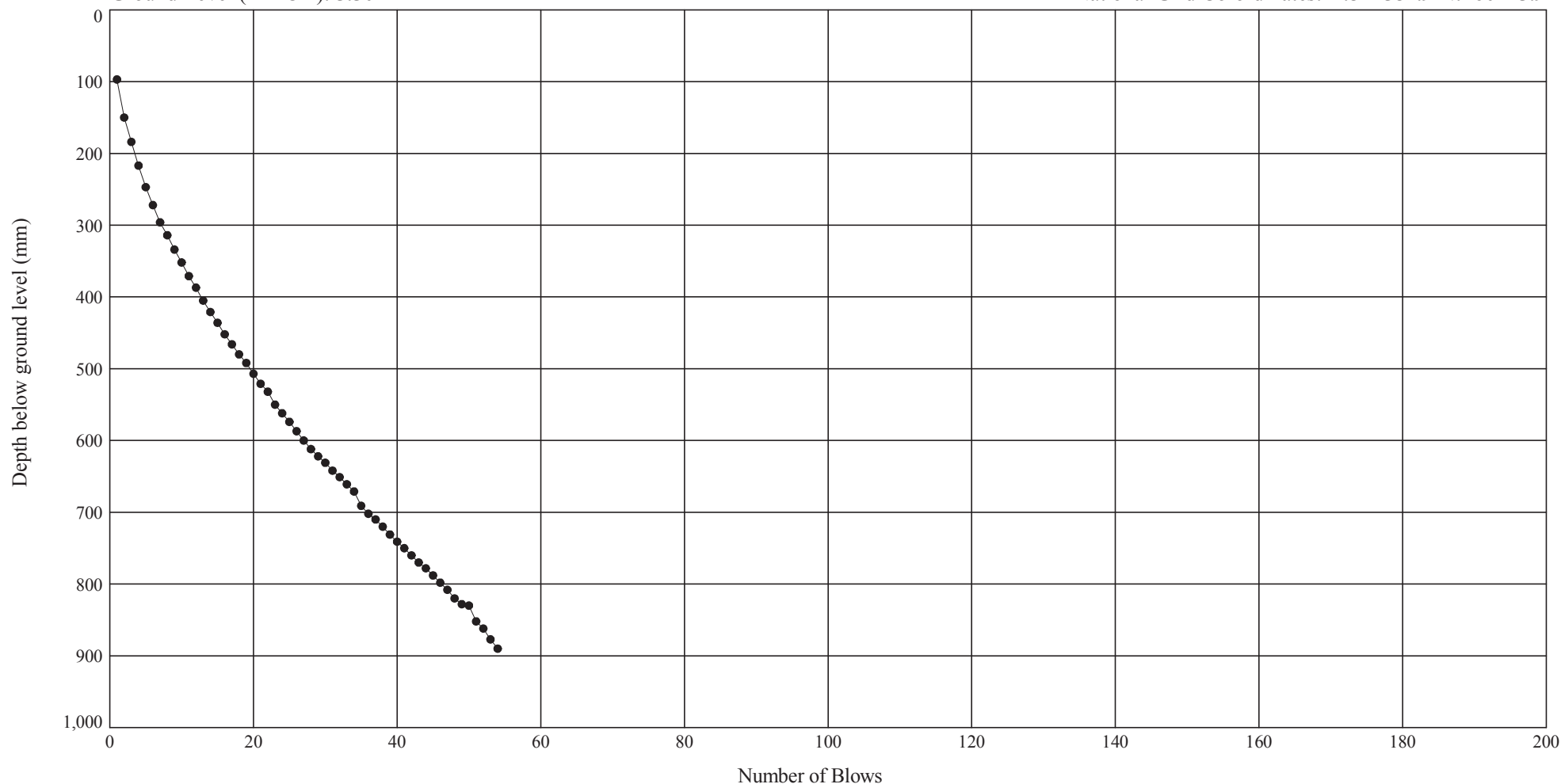
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR48**

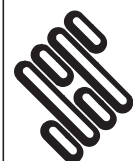
Test Date : **12.4.13**

Ground Level (m AOD): **5.50**

National Grid Co-ordinates: **E:341587.9 N:160775.9**



Notes: **Test conducted in pasture field. Location: Nye / Puxton.**



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Contract					
Hinkley to Seabank 400kV Connection					

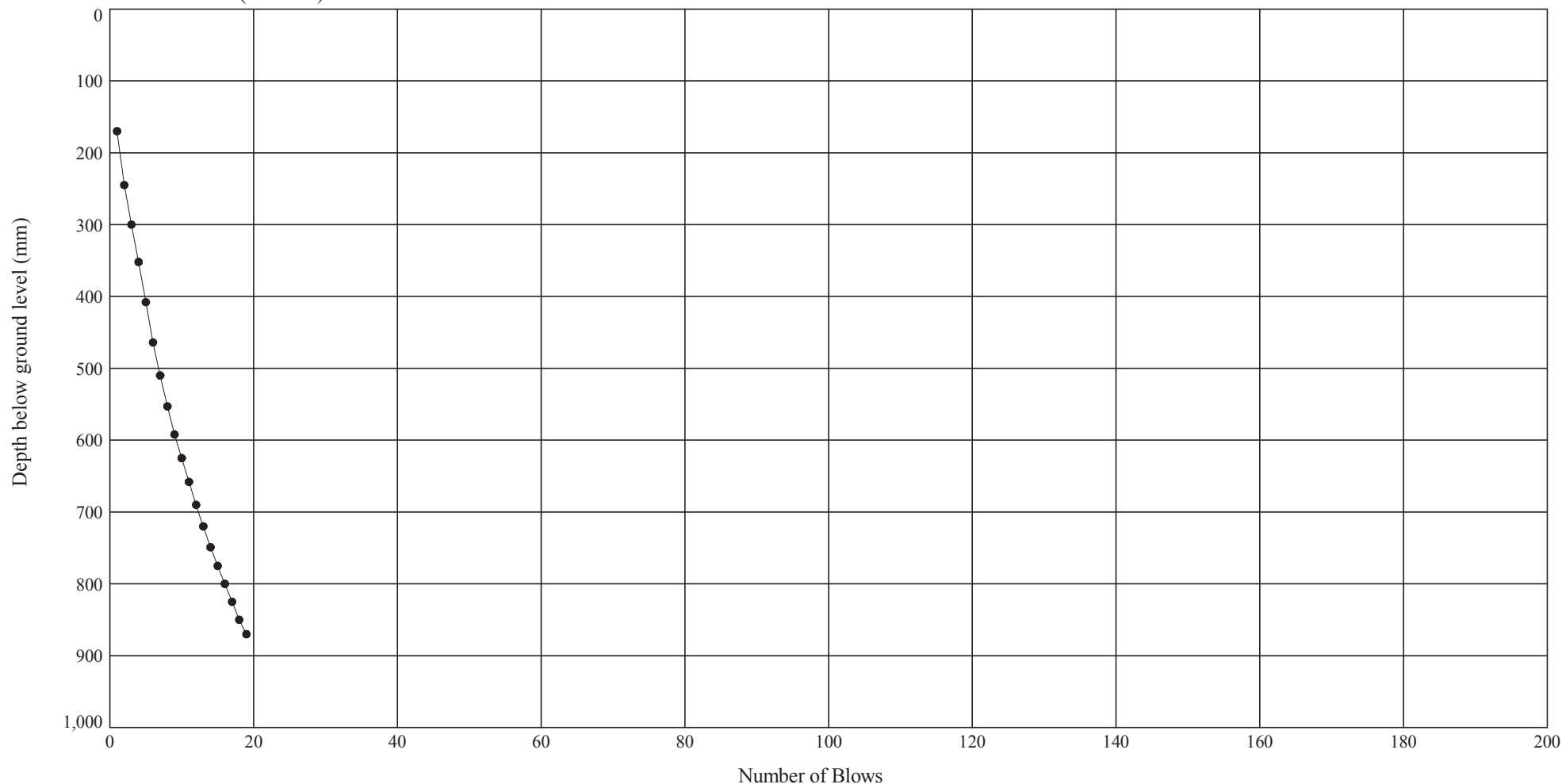
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR49**

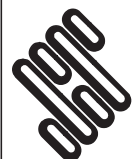
Test Date : **12.4.13**

Ground Level (m AOD): **4.82**

National Grid Co-ordinates: **E:341621.1 N:160976.2**



Notes: **Test conducted in pasture field. Location: Nye / Puxton.**



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	<div></div>	17/10/13	<div></div>	17/10/13	
Contract	<div>Hinkley to Seabank 400kV Connection</div>				

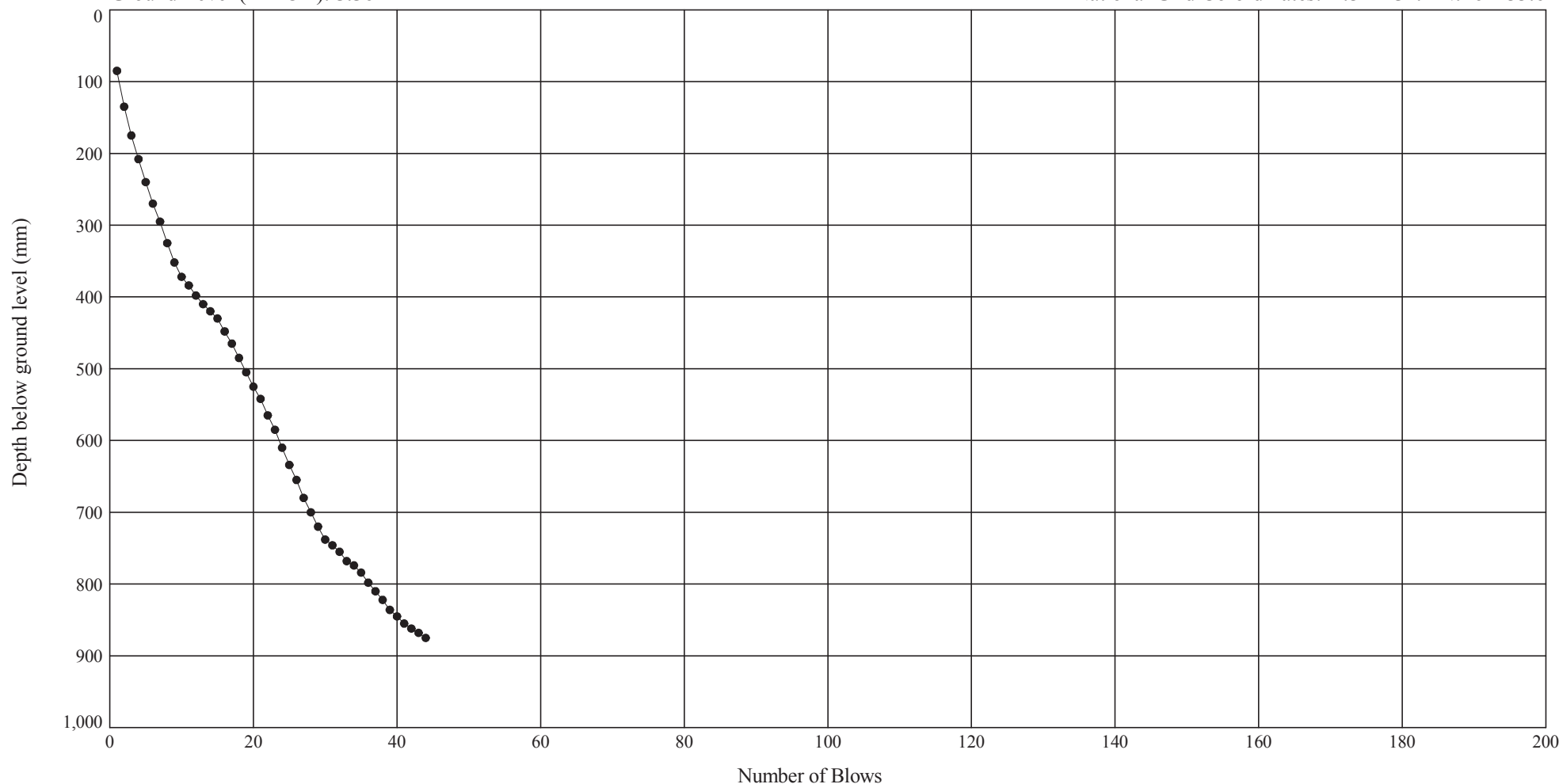
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR50**

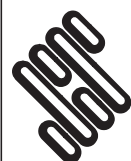
Test Date : **12.4.13**

Ground Level (m AOD): **5.56**

National Grid Co-ordinates: **E:341752.7 N:161433.6**



Notes: **Test conducted in pasture field. Location: Nye / Puxton.**



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Contract	Hinkley to Seabank 400kV Connection					

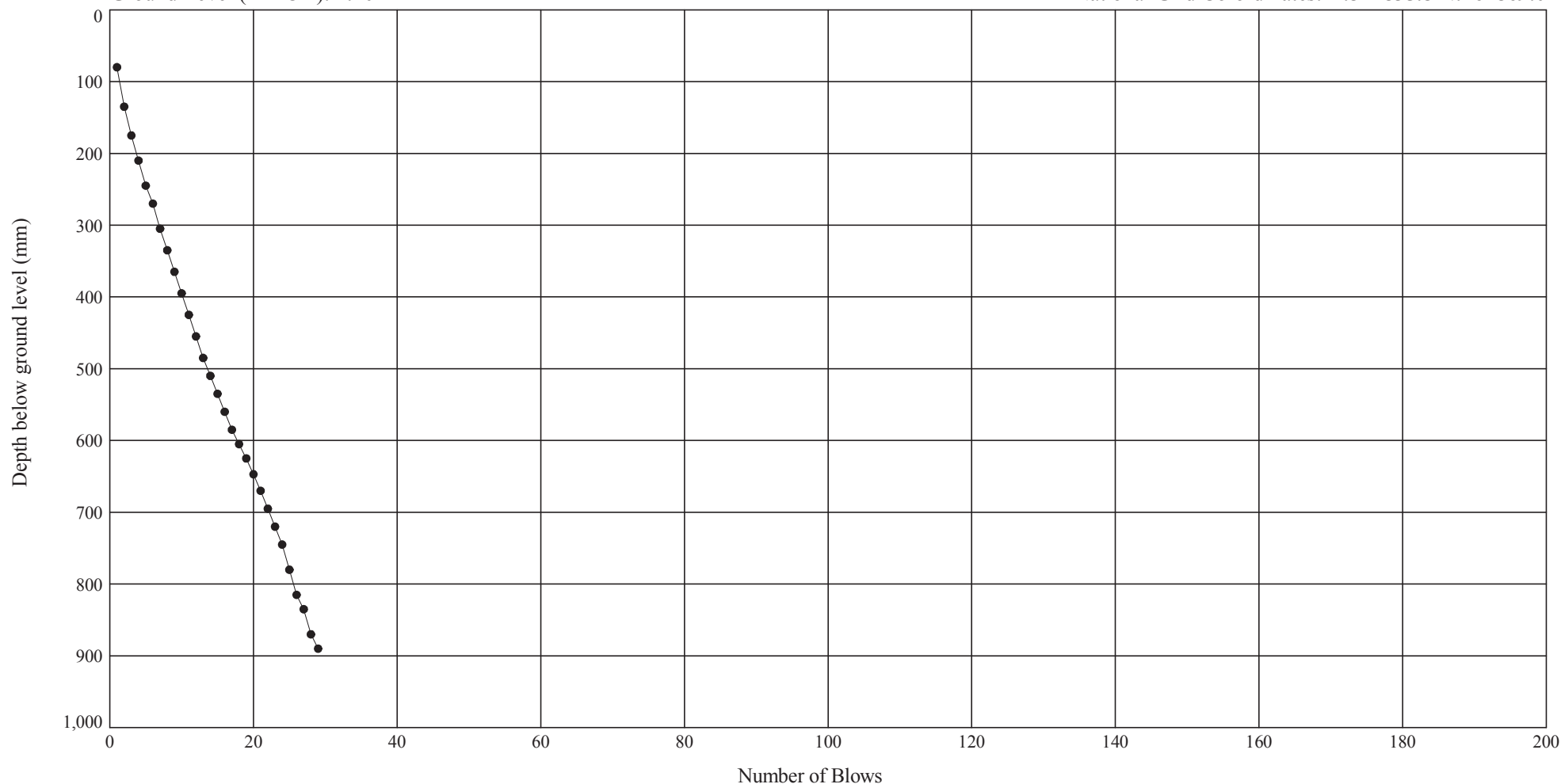
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR51**

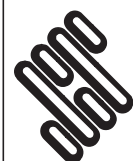
Test Date : **8.4.13**

Ground Level (m AOD): **4.70**

National Grid Co-ordinates: **E:341835.8 N:161869.0**



Notes: **Test conducted in pasture land. Location: Nye / Puxton.**



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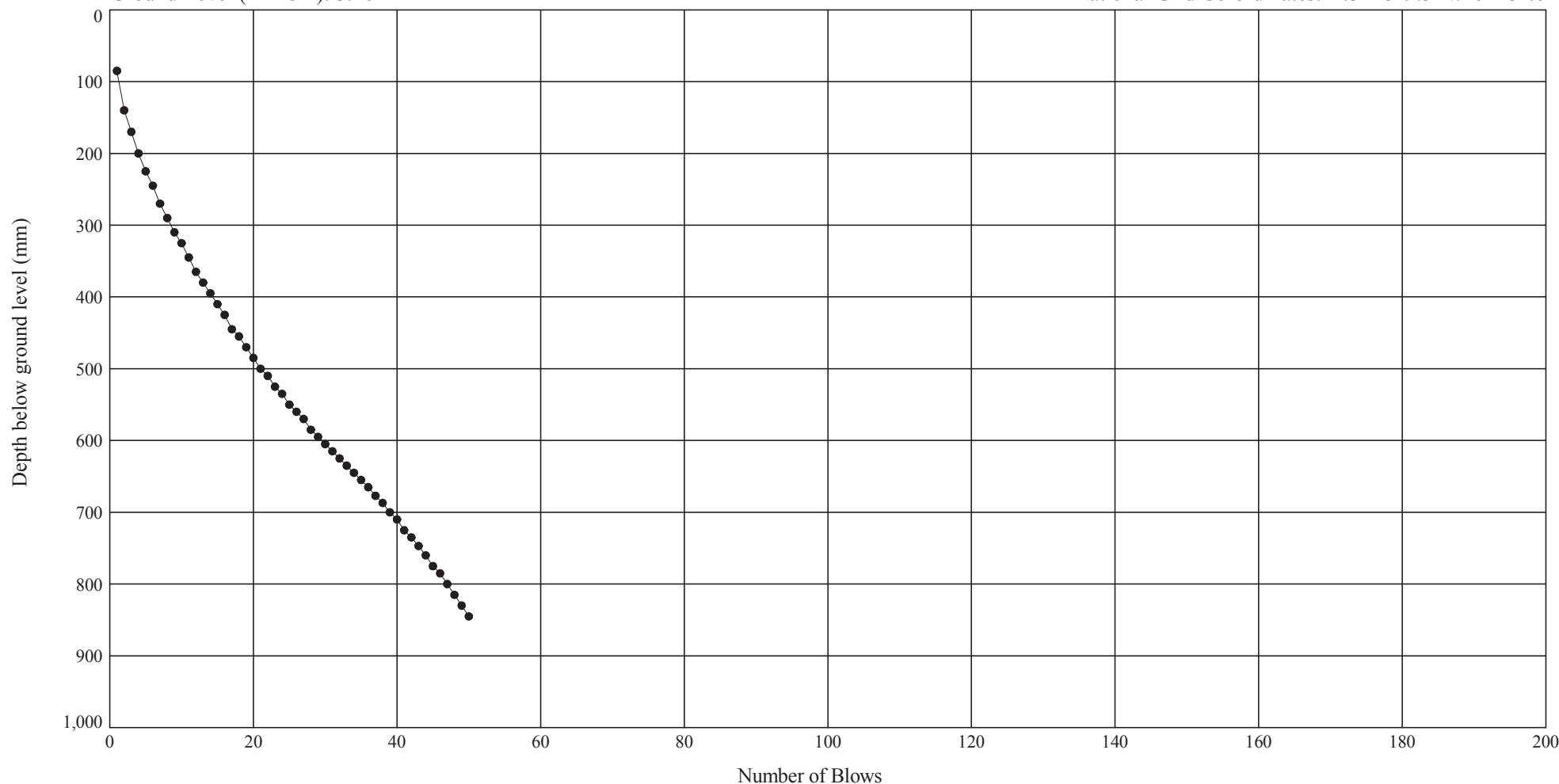
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR52**

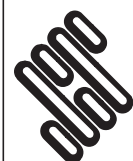
Test Date : **8.4.13**

Ground Level (m AOD): **5.16**

National Grid Co-ordinates: **E:341879.3 N:162281.6**



Notes: **Test conducted in pasture land. Location: Nye / Puxton.**



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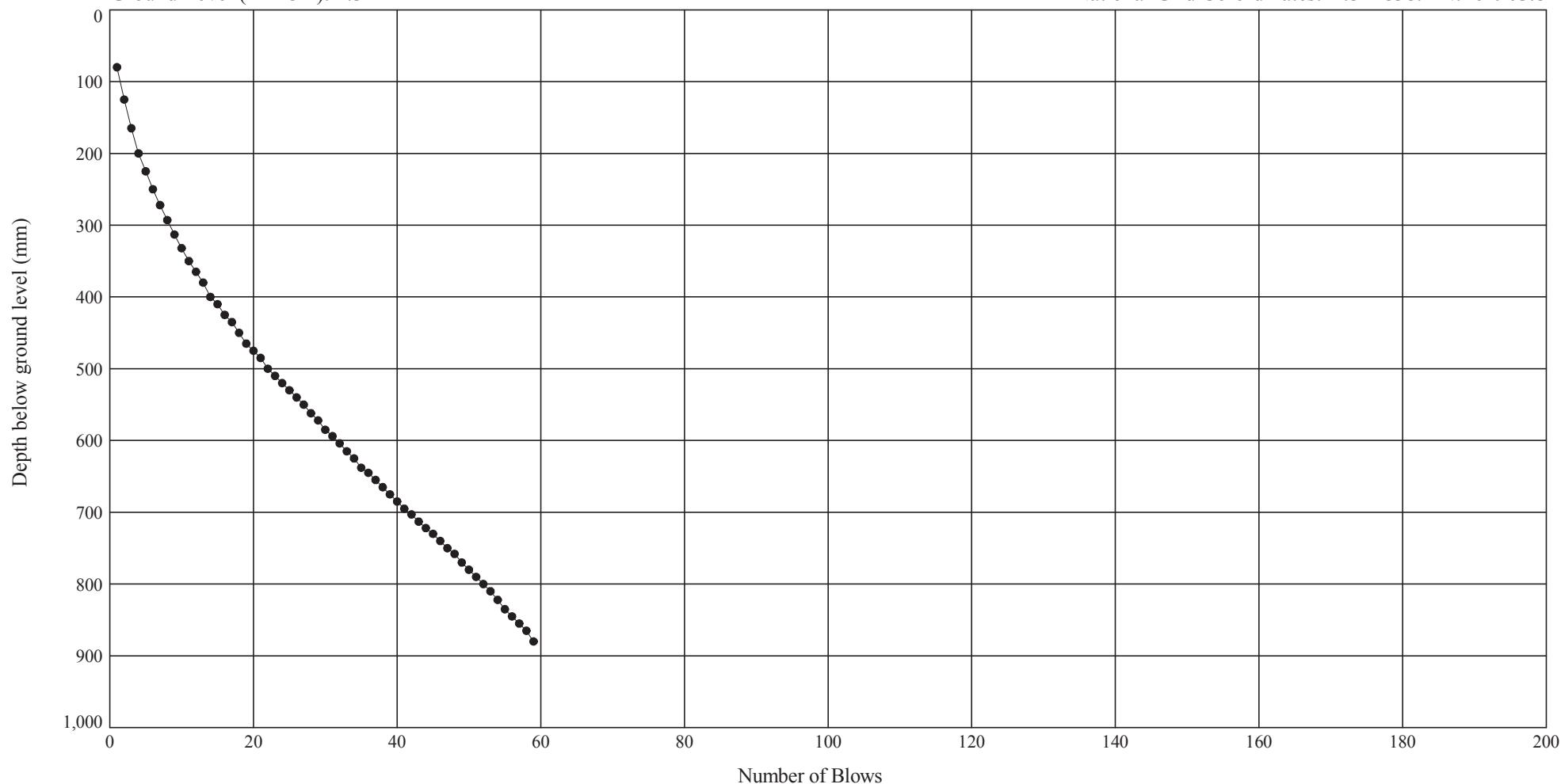
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR53**

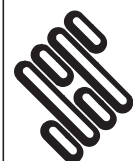
Test Date : **8.4.13**

Ground Level (m AOD): **4.51**

National Grid Co-ordinates: **E:341838.4 N:162905.8**



Notes: **Test conducted in pasture land. Location: Nye / Puxton.**



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Contract	<div>Hinkley to Seabank 400kV Connection</div>					

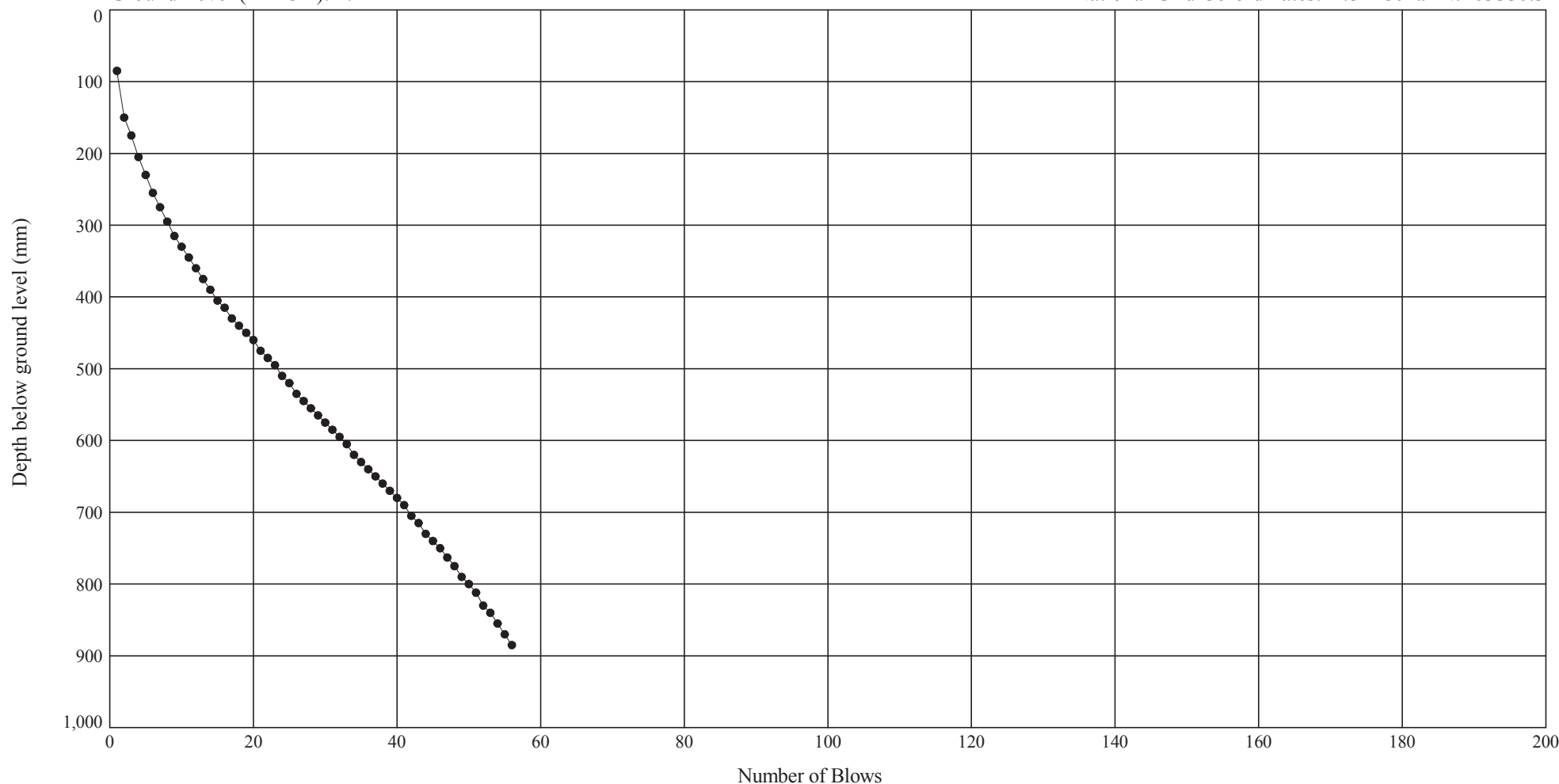
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR54**

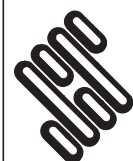
Test Date : **8.4.13**

Ground Level (m AOD): **4.27**

National Grid Co-ordinates: **E:341802.9 N:163550.3**



Notes: **Test conducted in pasture land. Location: Nye / Puxton.**



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Contract	Hinkley to Seabank 400kV Connection				

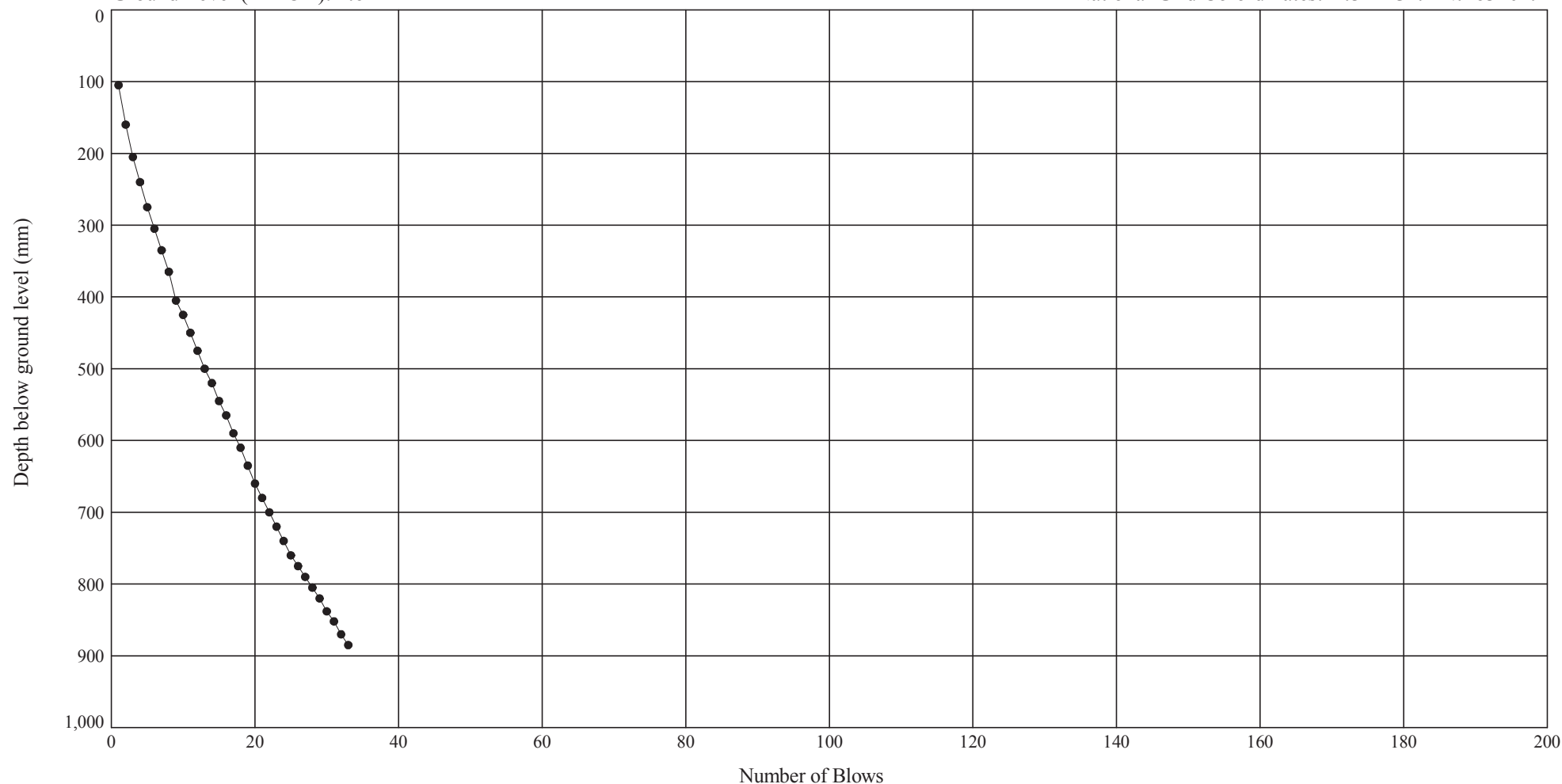
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR55**

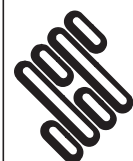
Test Date : **8.4.13**

Ground Level (m AOD): **4.61**

National Grid Co-ordinates: **E:341754.7 N:163702.7**



Notes: **Test conducted in pasture land. Location: Nye / Puxton.**



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[REDACTED]		17/10/13	[REDACTED]		17/10/13	
Contract Hinkley to Seabank 400kV Connection						

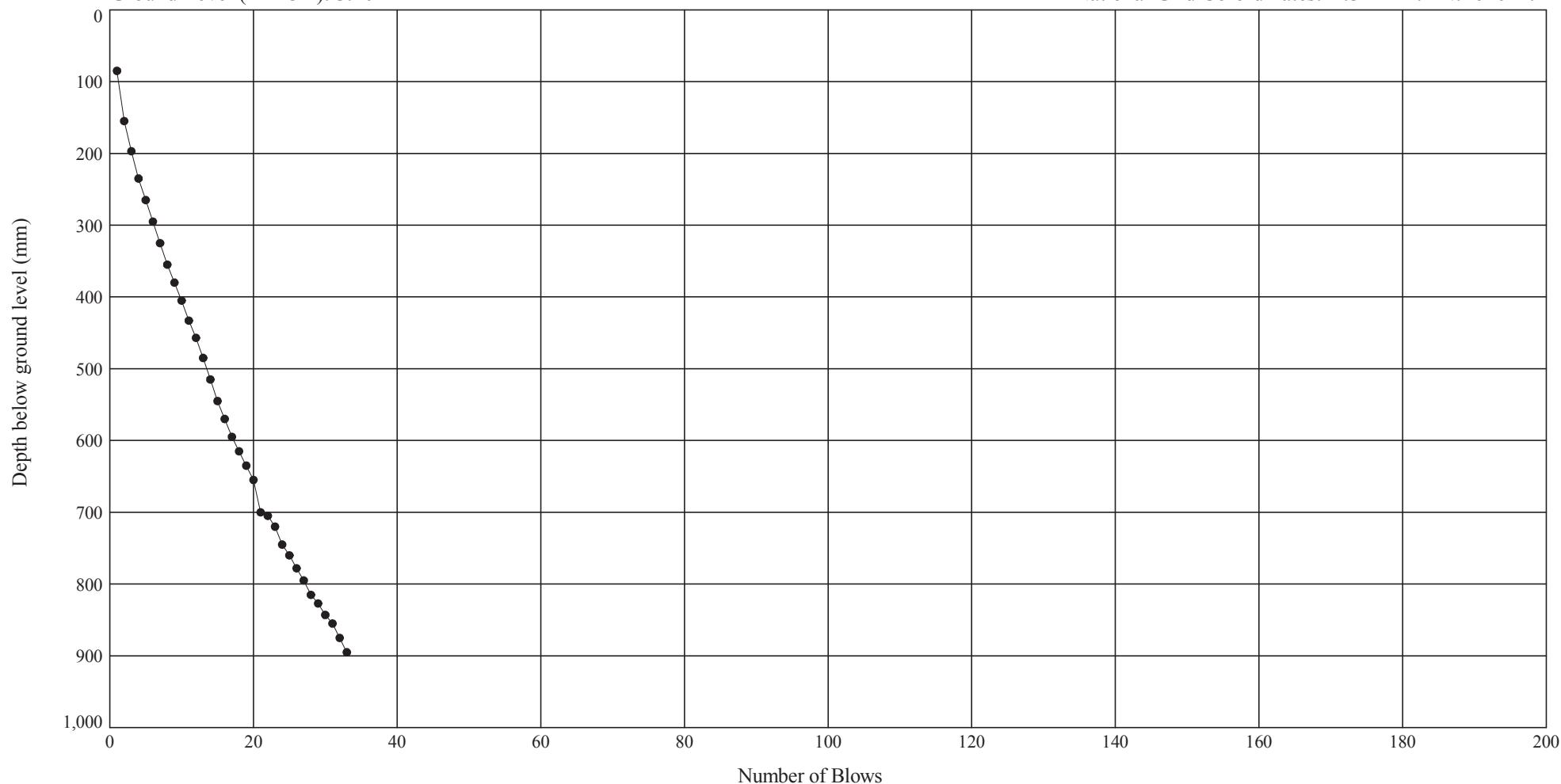
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR56**

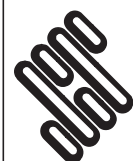
Test Date : **8.4.13**

Ground Level (m AOD): **5.40**

National Grid Co-ordinates: **E:341717.1 N:164027.7**



Notes: **Test conducted in pasture land. Location: Nye / Puxton.**



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Contract	<div>Hinkley to Seabank 400kV Connection</div>					

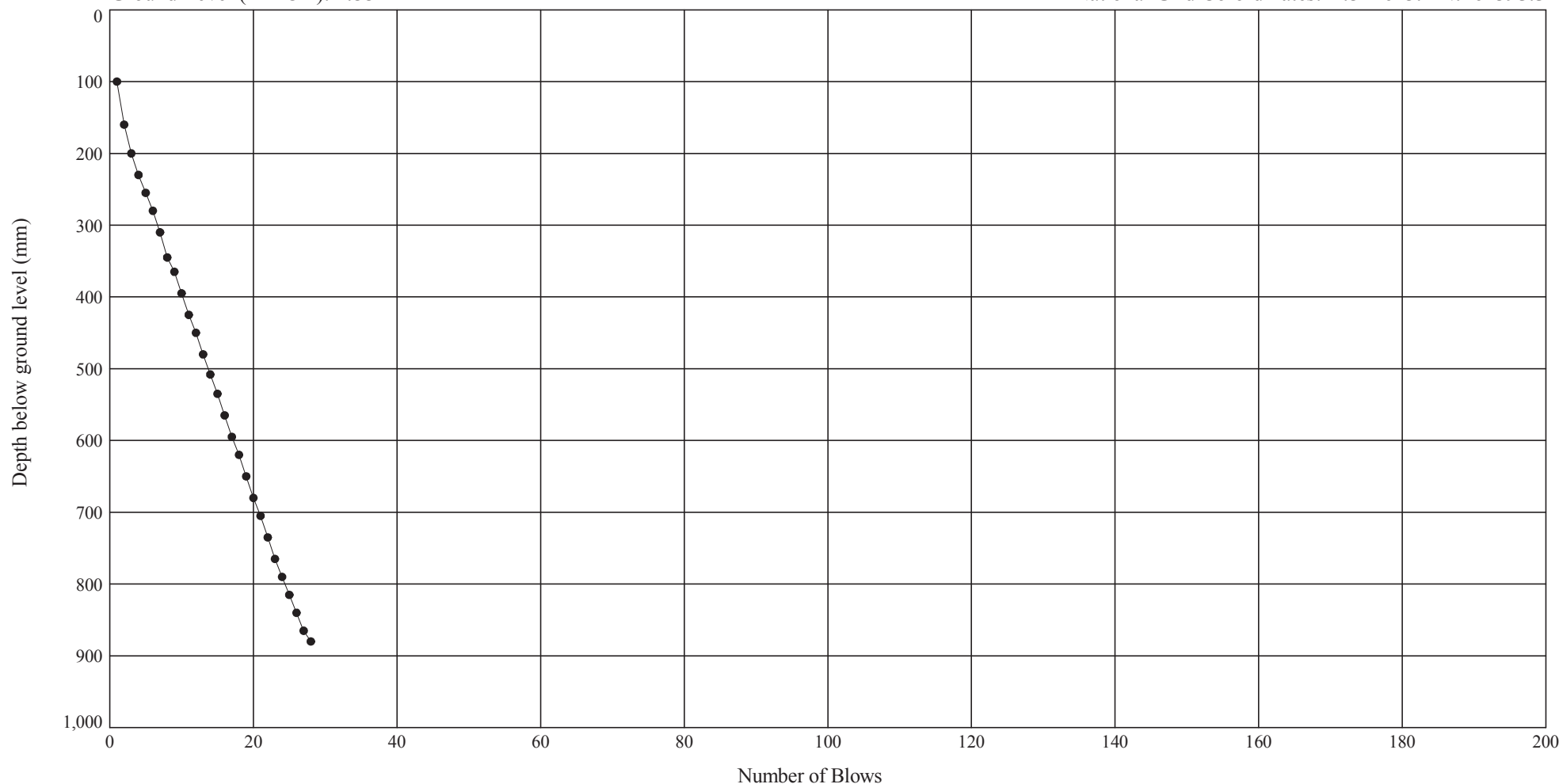
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR57**

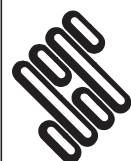
Test Date : **8.4.13**

Ground Level (m AOD): **4.88**

National Grid Co-ordinates: **E:341673.7 N:164395.5**



Notes: **Test conducted in pasture land. Location: Nye / Puxton.**



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Contract						
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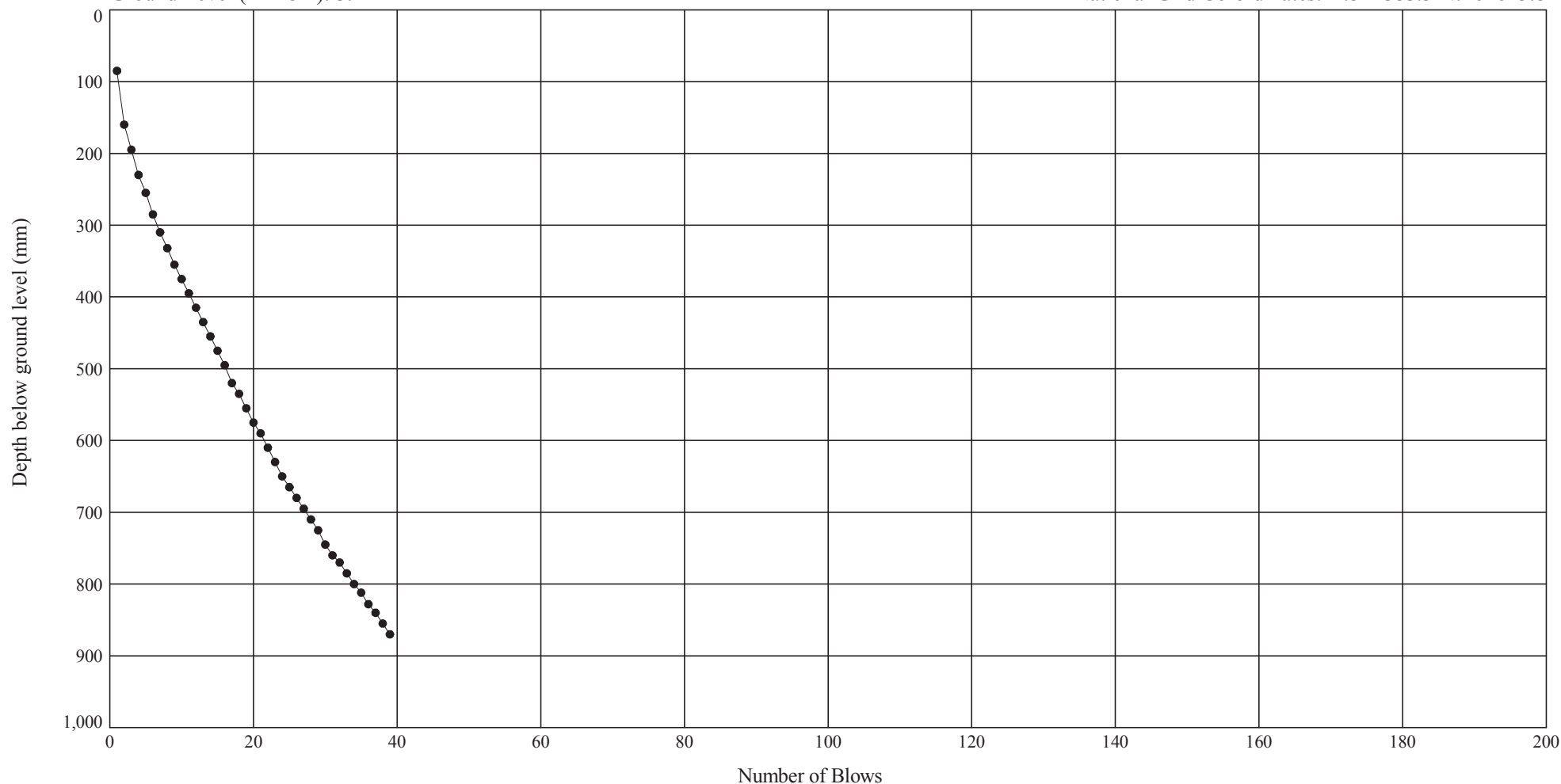
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR58**

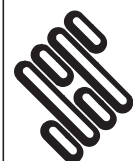
Test Date : **8.4.13**

Ground Level (m AOD): **5.14**

National Grid Co-ordinates: **E:341585.3 N:164623.8**



Notes: **Test conducted in pasture land. Location: Yatton.**



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Contract	<div>Hinkley to Seabank 400kV Connection</div>					

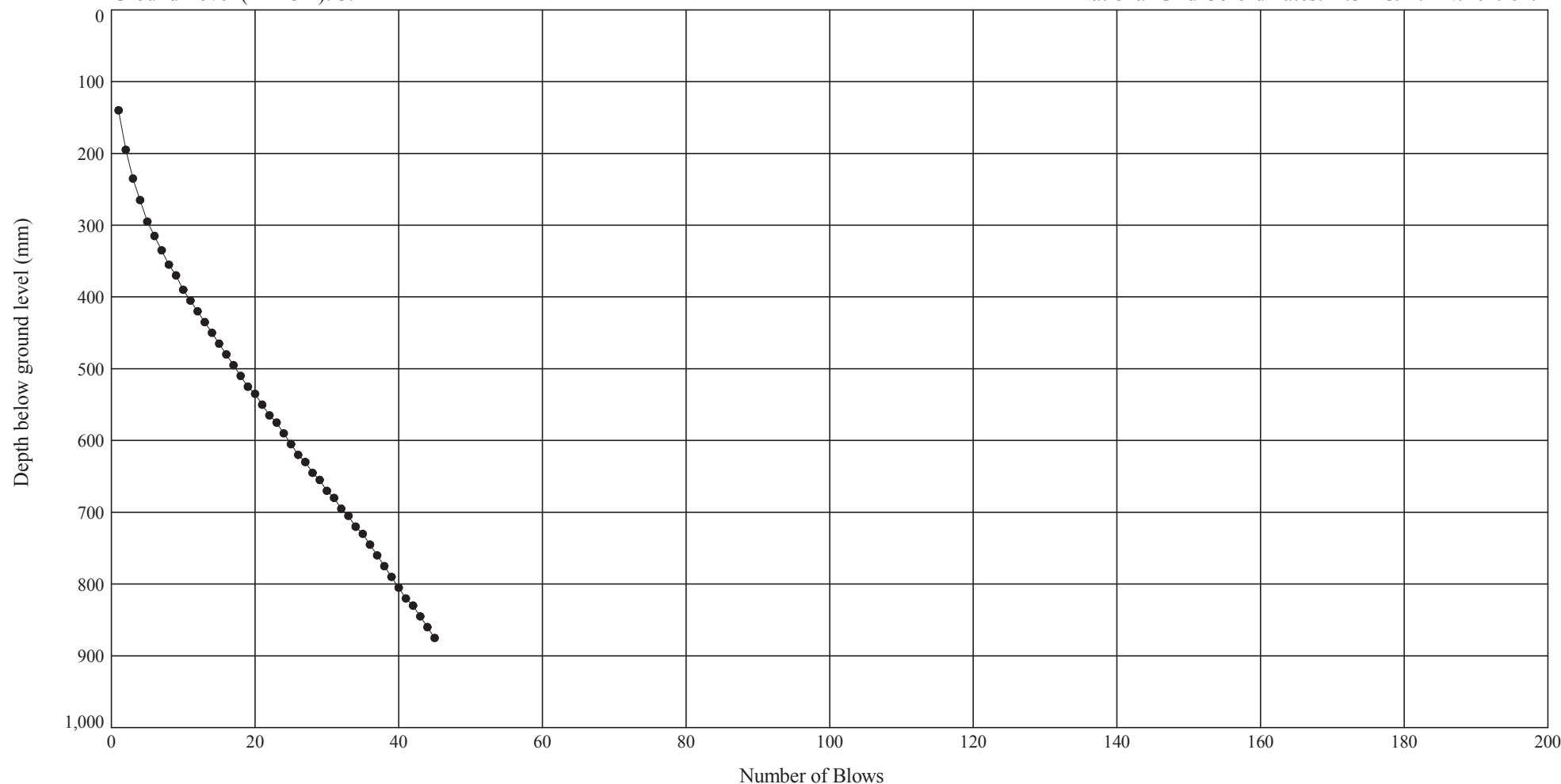
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR59**

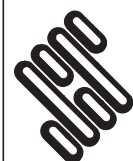
Test Date : **8.4.13**

Ground Level (m AOD): **5.27**

National Grid Co-ordinates: **E:341592.4 N:164967.4**



Notes: **Test conducted in pasture land. Location: Yatton.**



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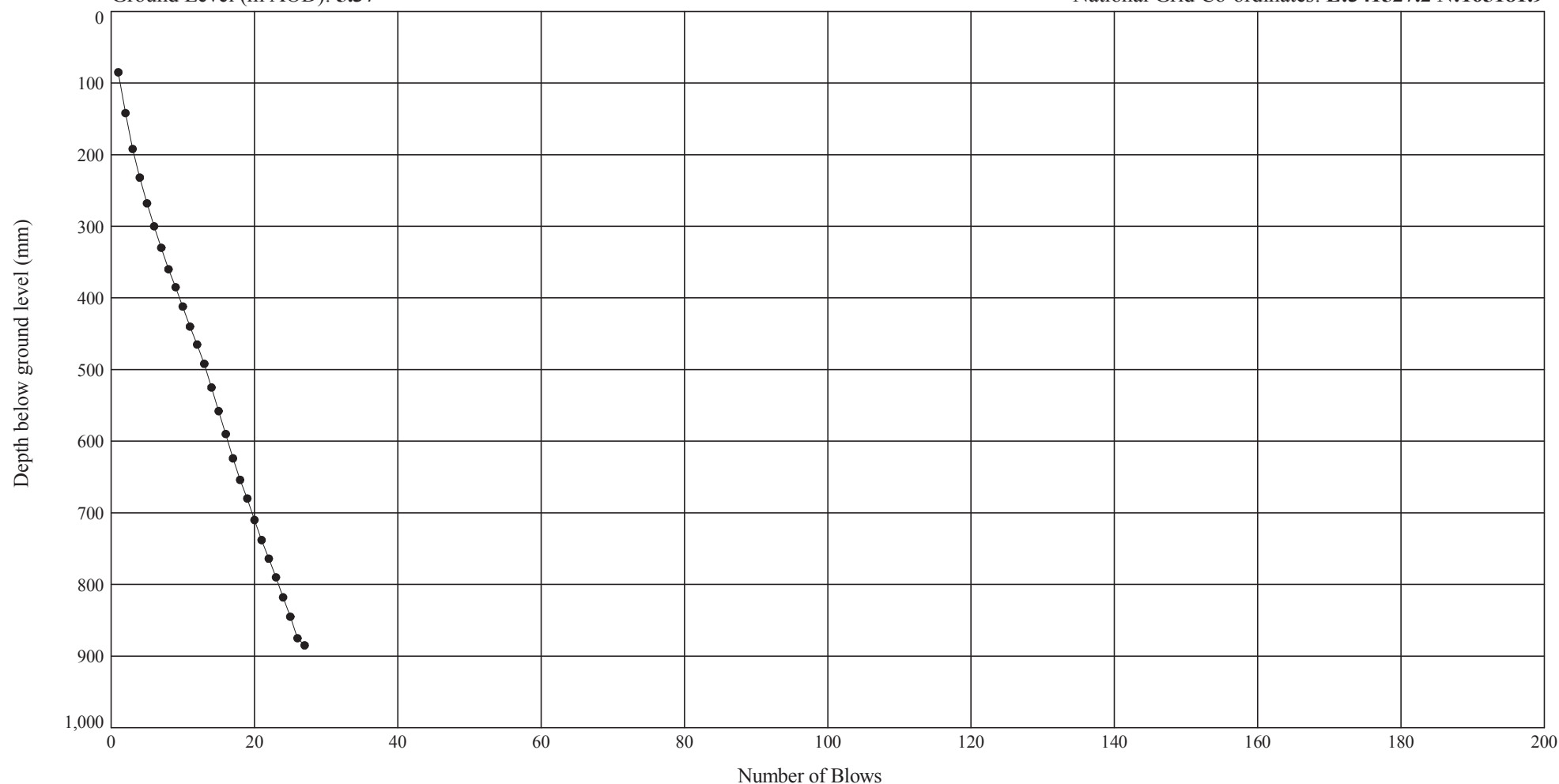
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DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR60**Test Date : **8.4.13**Ground Level (m AOD): **5.37**National Grid Co-ordinates: **E:341527.2 N:165181.9**Notes: **Test conducted in pasture land. Location: Yatton.**

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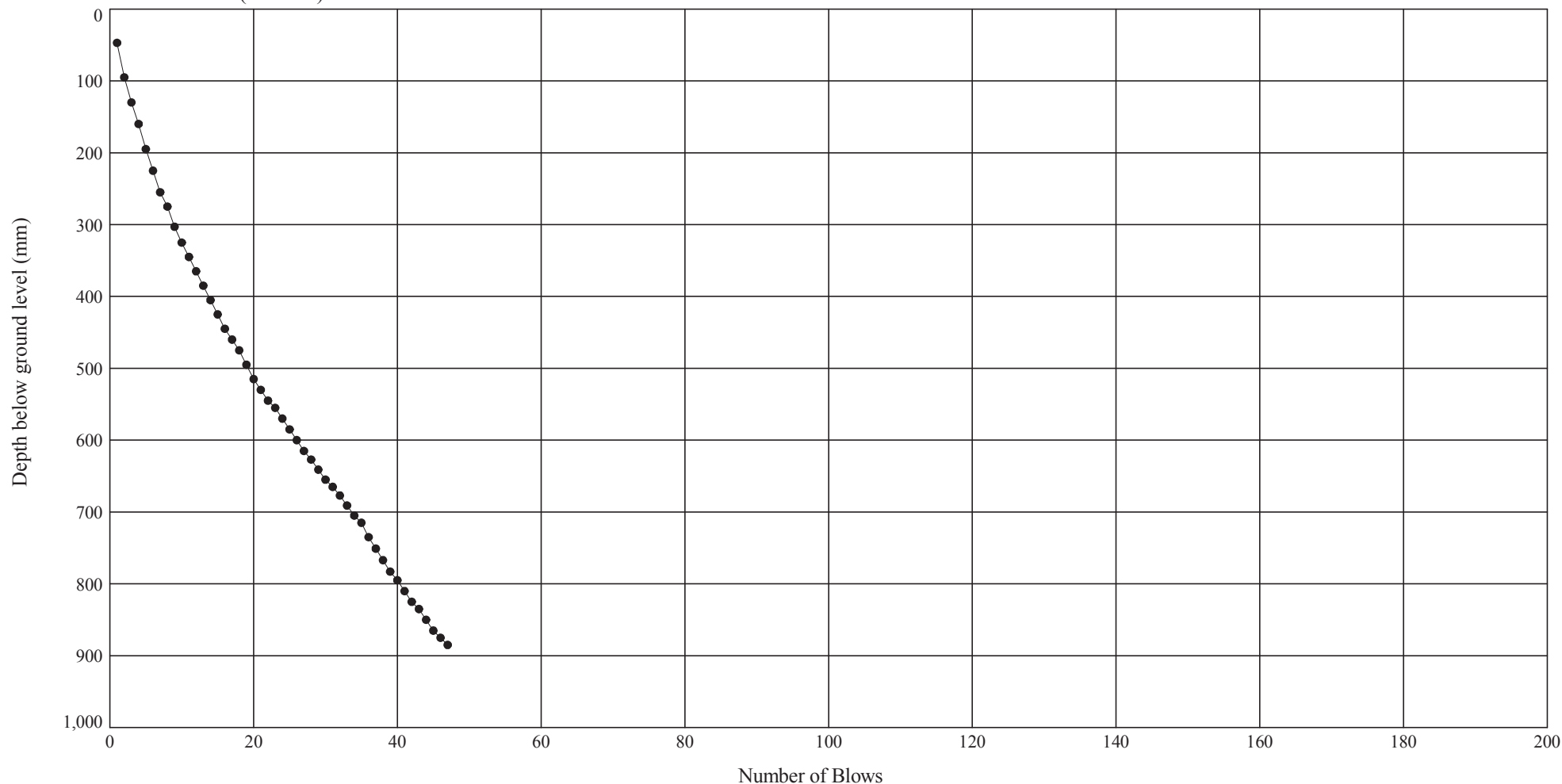
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR61**

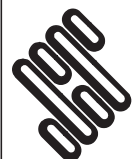
Test Date : **8.4.13**

Ground Level (m AOD): **5.34**

National Grid Co-ordinates: **E:341410.7 N:165670.1**



Notes: **Test conducted in pasture land. Location: Yatton.**



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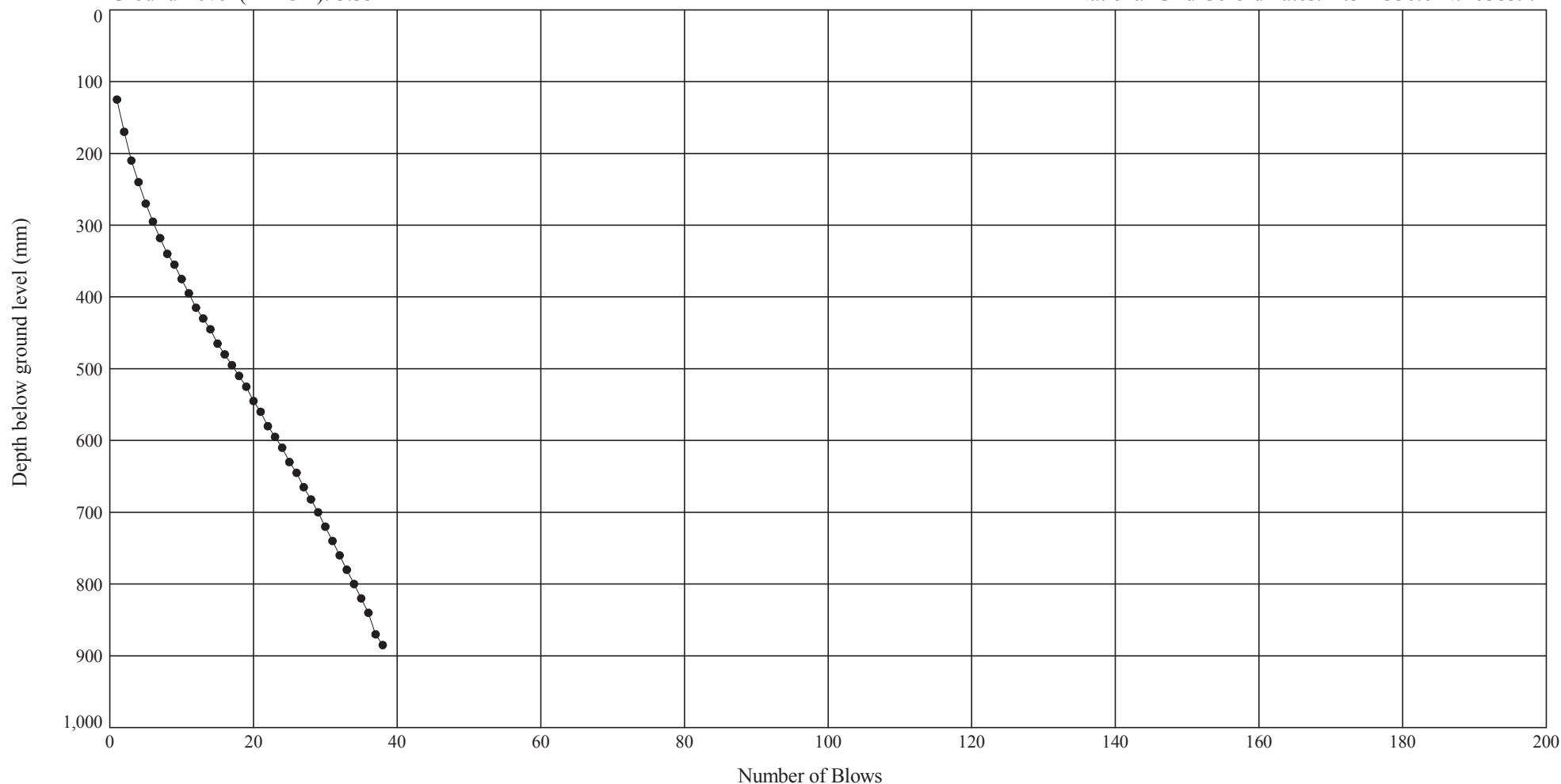
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR62**

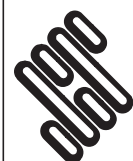
Test Date : **8.4.13**

Ground Level (m AOD): **5.53**

National Grid Co-ordinates: **E:341356.6 N:165839.1**



Notes: **Test conducted in pasture land. Location: Yatton.**



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Contract						
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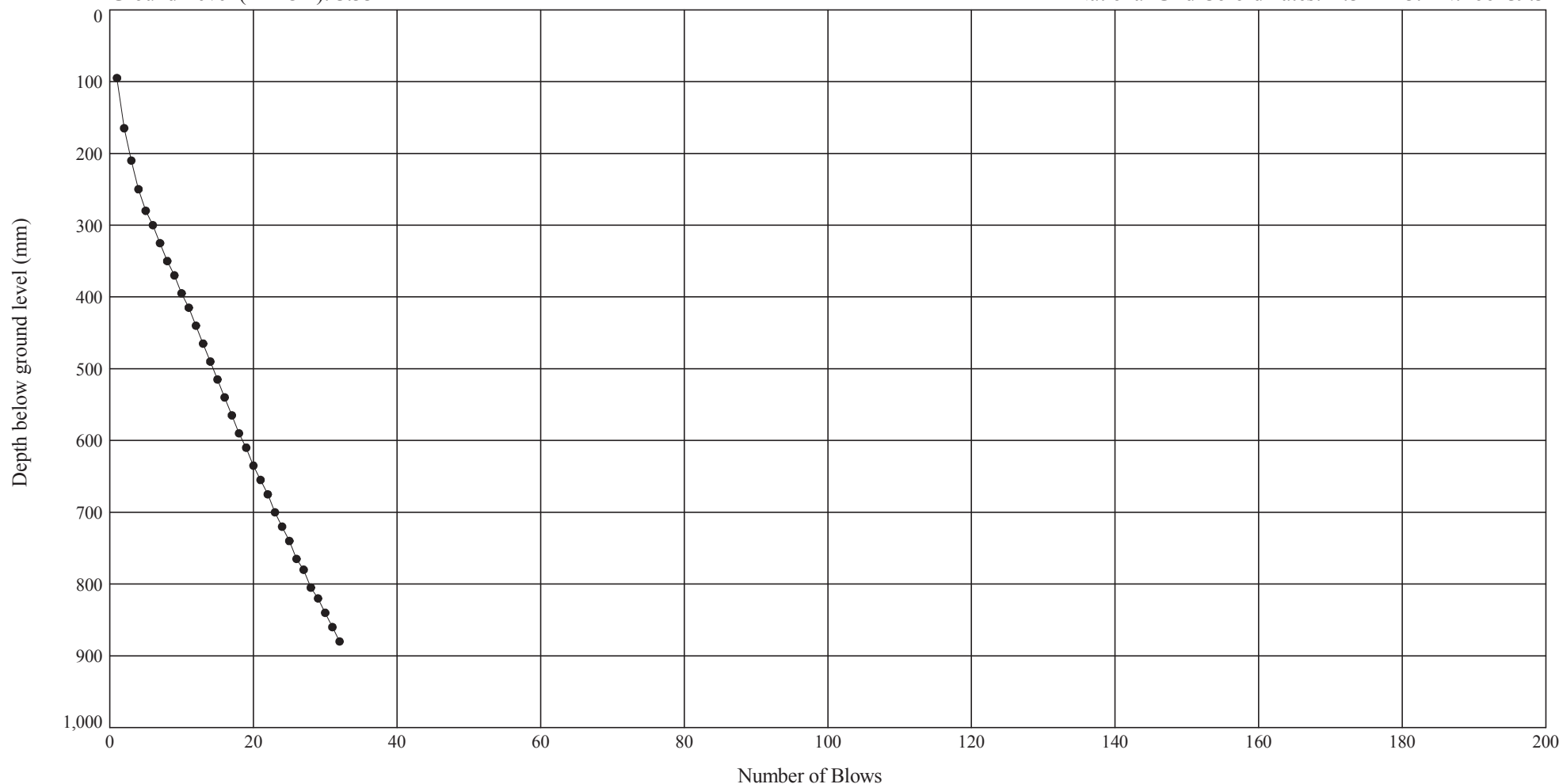
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR63**

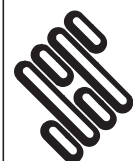
Test Date : **9.4.13**

Ground Level (m AOD): **5.33**

National Grid Co-ordinates: **E:341273.1 N:166159.3**



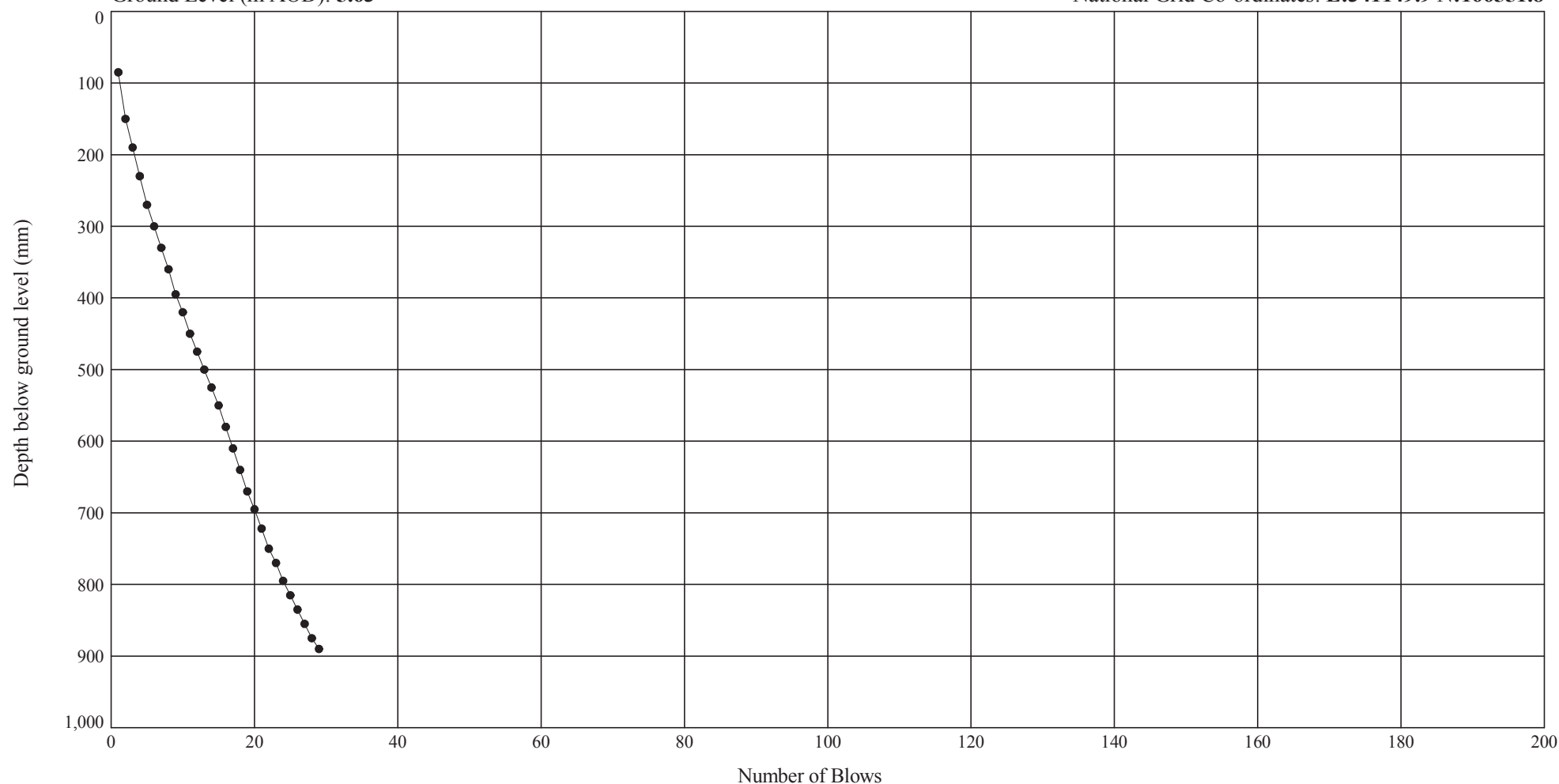
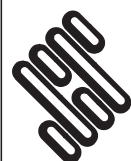
Notes: **Test conducted in pasture land. Location: Yatton.**



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	Compiled By	Date		Checked By	Date	Contract Ref: 727635
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Contract	<div>Hinkley to Seabank 400kV Connection</div>					

DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR64**Test Date : **9.4.13**Ground Level (m AOD): **5.63**National Grid Co-ordinates: **E:341149.9 N:166551.8**Notes: **Test conducted in pasture land. Location: Yatton.**

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Date

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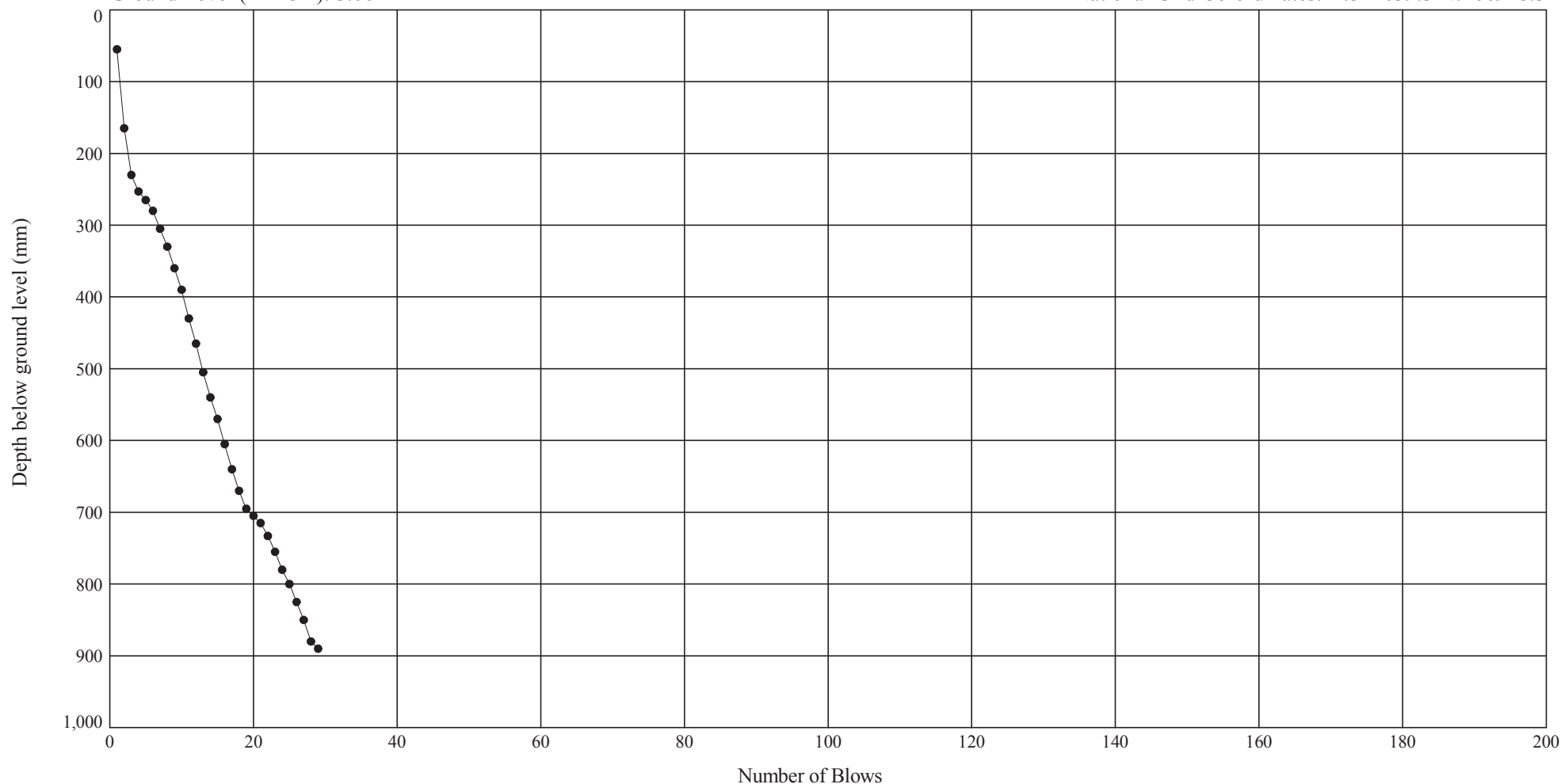
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR65**

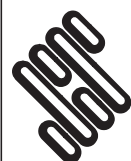
Test Date : **9.4.13**

Ground Level (m AOD): **5.66**

National Grid Co-ordinates: **E:341039.5 N:166918.5**



Notes: **Test conducted in ploughed field. Location: Yatton.**



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Contract	<div>Hinkley to Seabank 400kV Connection</div>					

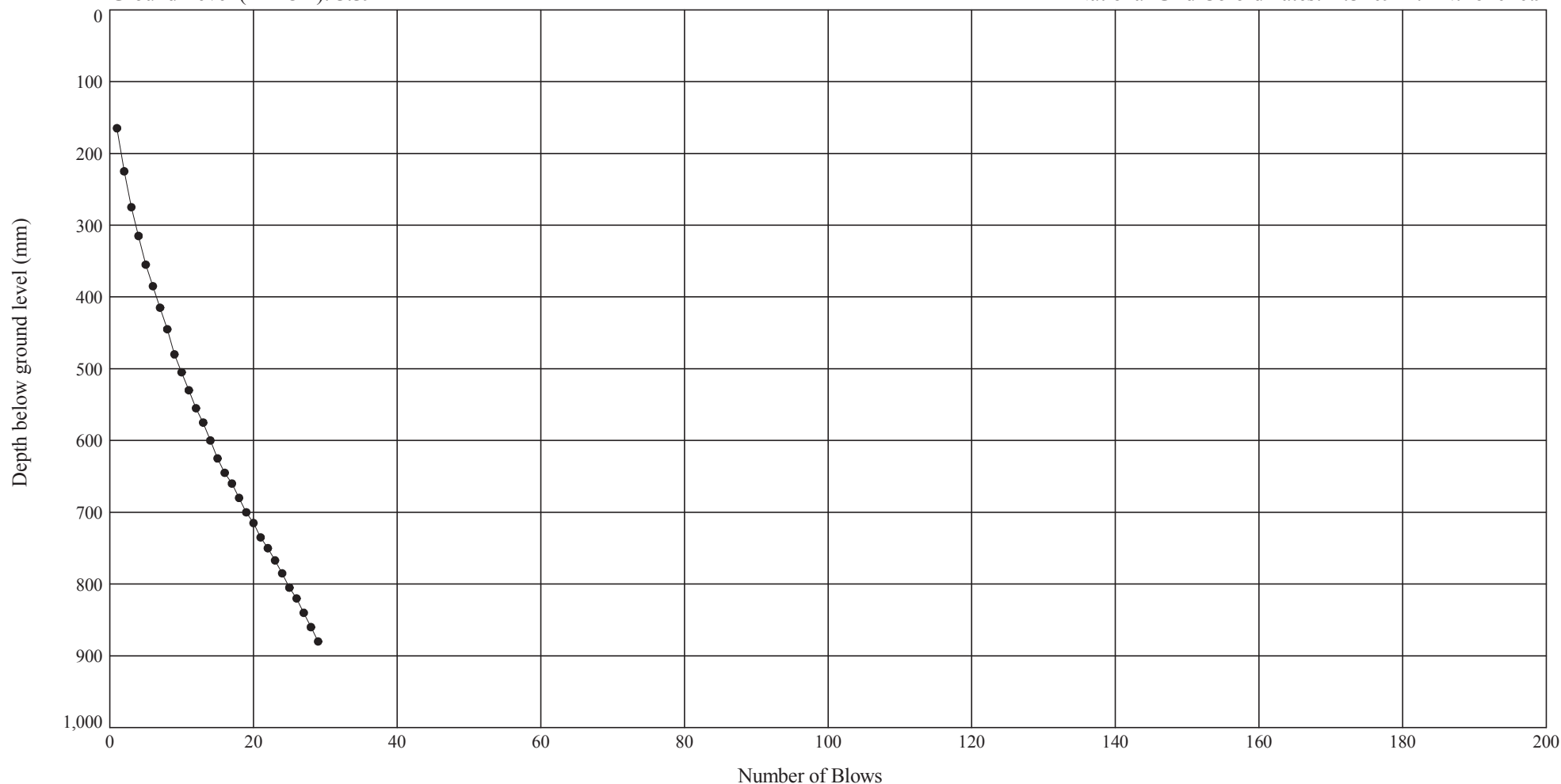
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR66**

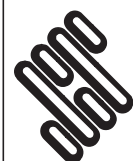
Test Date : **9.4.13**

Ground Level (m AOD): **5.59**

National Grid Co-ordinates: **E:340944.7 N:167020.9**



Notes: **Test conducted in stubble field. Location: Yatton.**



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Contract	<div>Hinkley to Seabank 400kV Connection</div>					

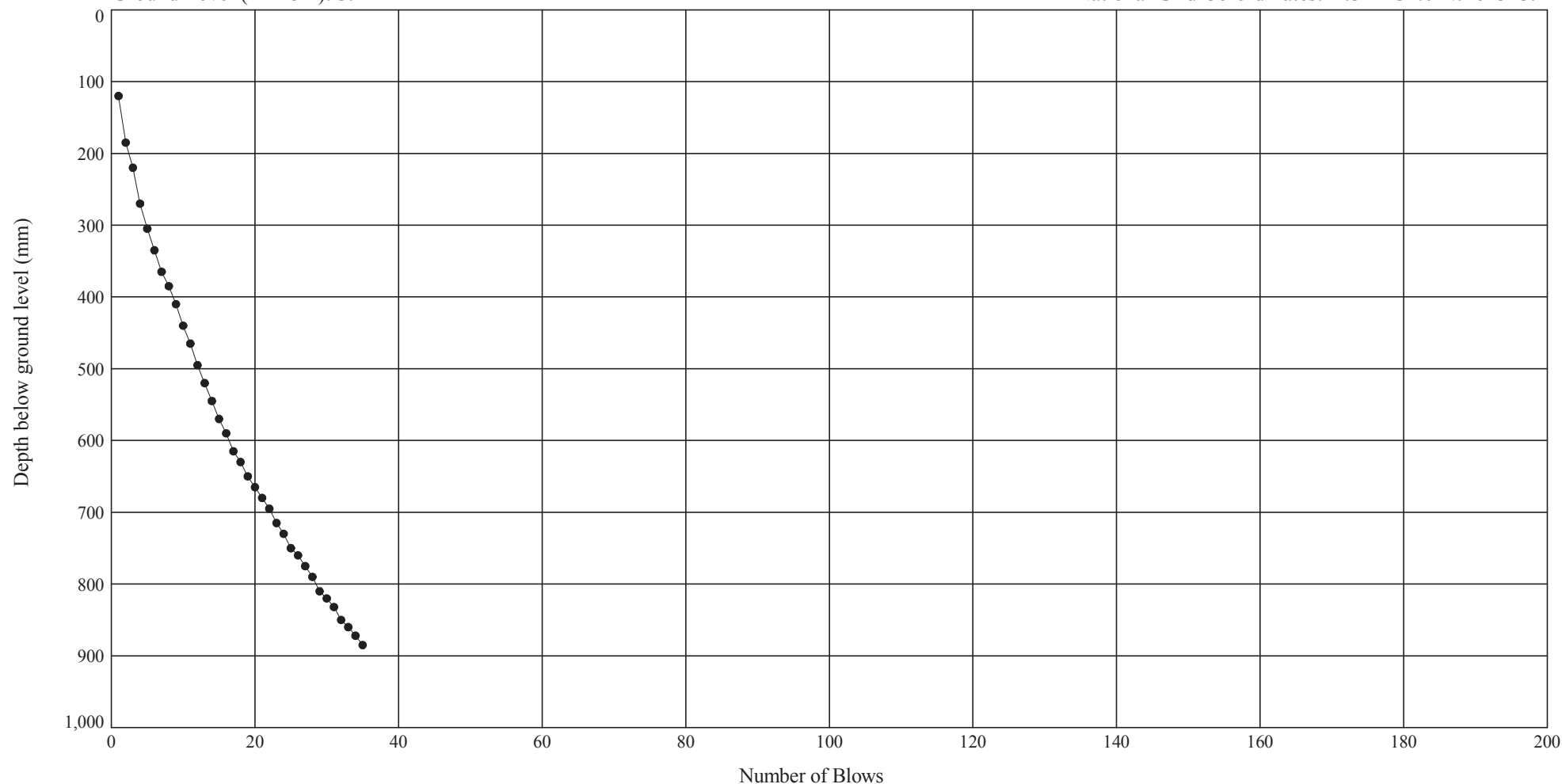
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR67**

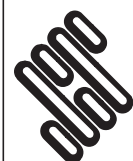
Test Date : **9.4.13**

Ground Level (m AOD): **5.44**

National Grid Co-ordinates: **E:341254.0 N:167375.7**



Notes: **Test conducted in pasture land. Location: Yatton.**



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Contract	<div>Hinkley to Seabank 400kV Connection</div>					

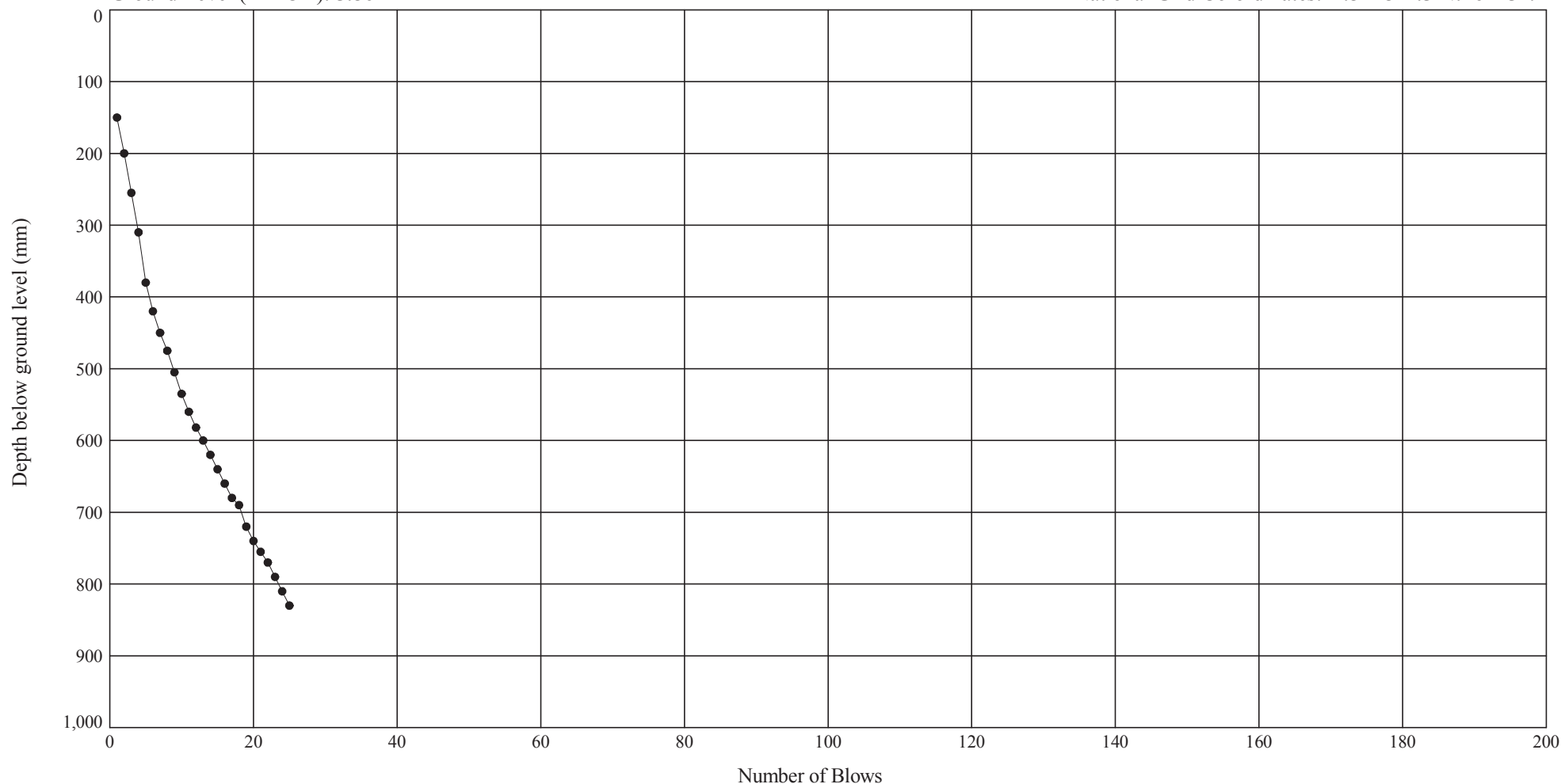
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR68**

Test Date : **9.4.13**

Ground Level (m AOD): **5.86**

National Grid Co-ordinates: **E:341822.5 N:167752.2**



Notes: **Test conducted in pasture land. Freshly sown. Location: Kenn Moor.**



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Contract					
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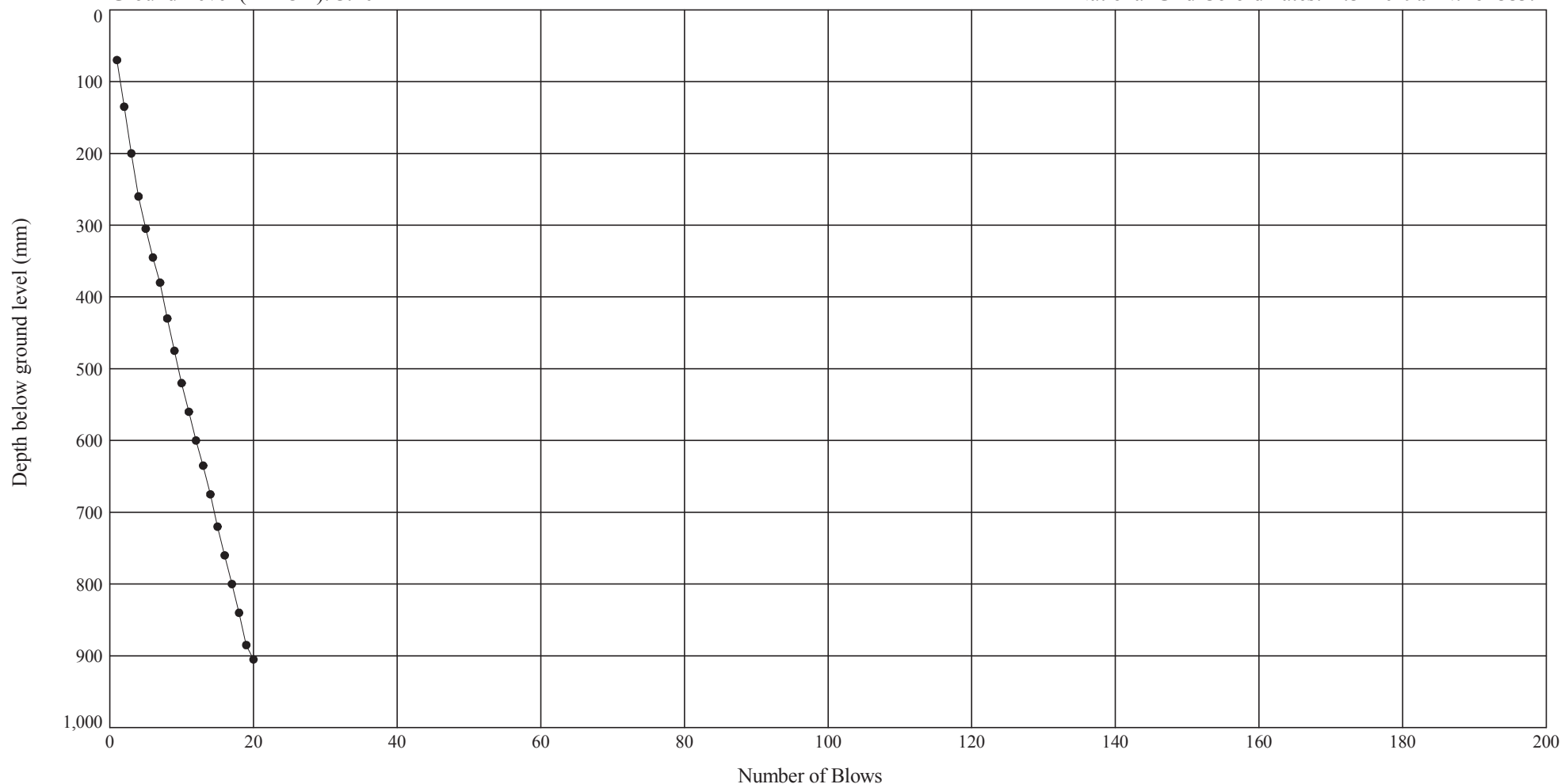
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR69**

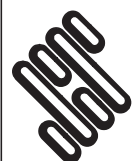
Test Date : **9.4.13**

Ground Level (m AOD): **5.70**

National Grid Co-ordinates: **E:342029.9 N:167883.4**



Notes: **Test conducted in pasture land. Location: Kenn Moor.**



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	<div></div>	17/10/13	<div></div>	17/10/13	
Contract	<div>Hinkley to Seabank 400kV Connection</div>				

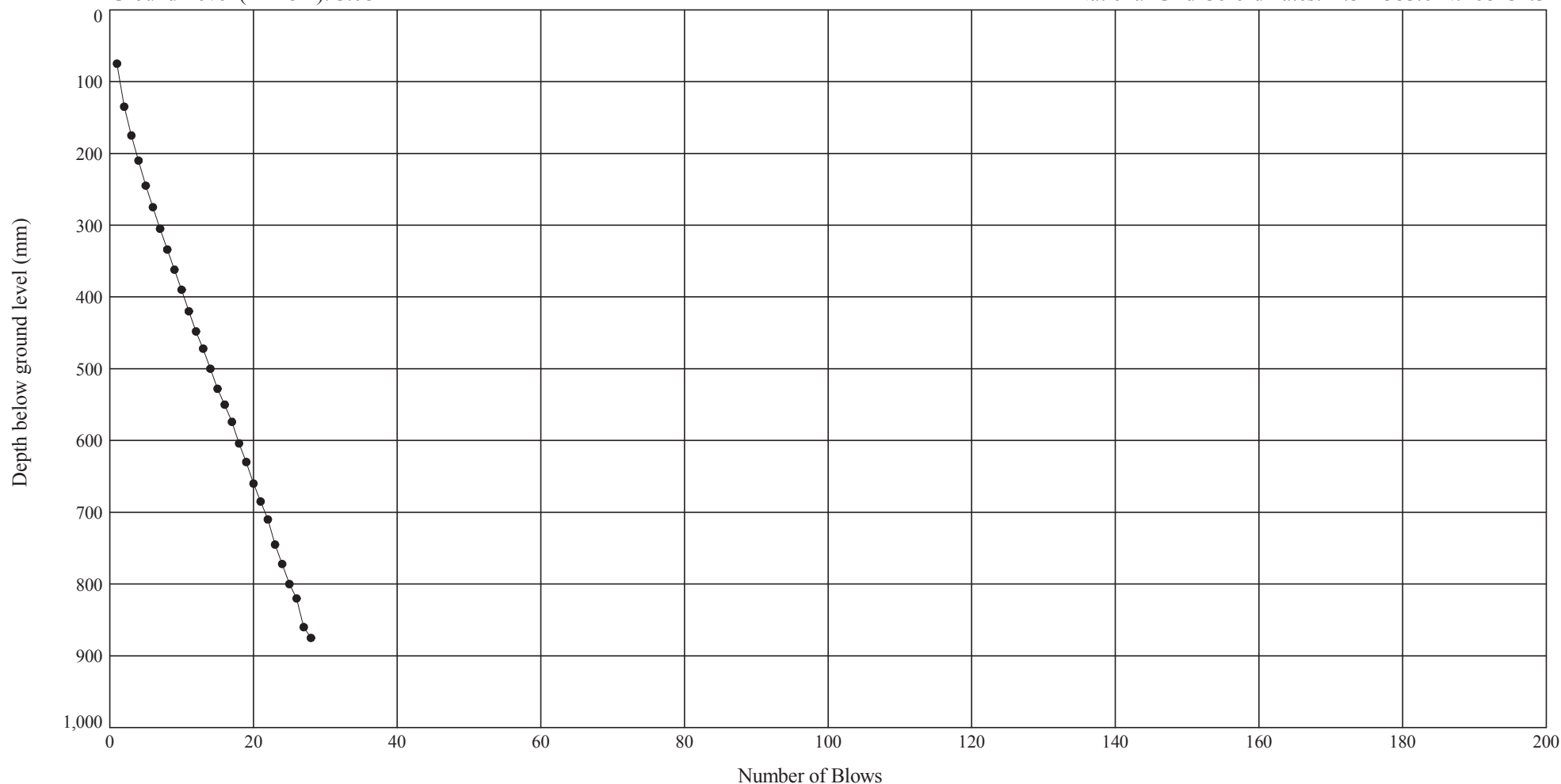
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR70**

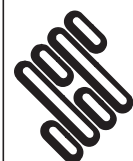
Test Date : **9.4.13**

Ground Level (m AOD): **5.08**

National Grid Co-ordinates: **E:342385.6 N:168152.5**



Notes: **Test conducted in pasture land. Location: Kenn Moor.**



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Contract					
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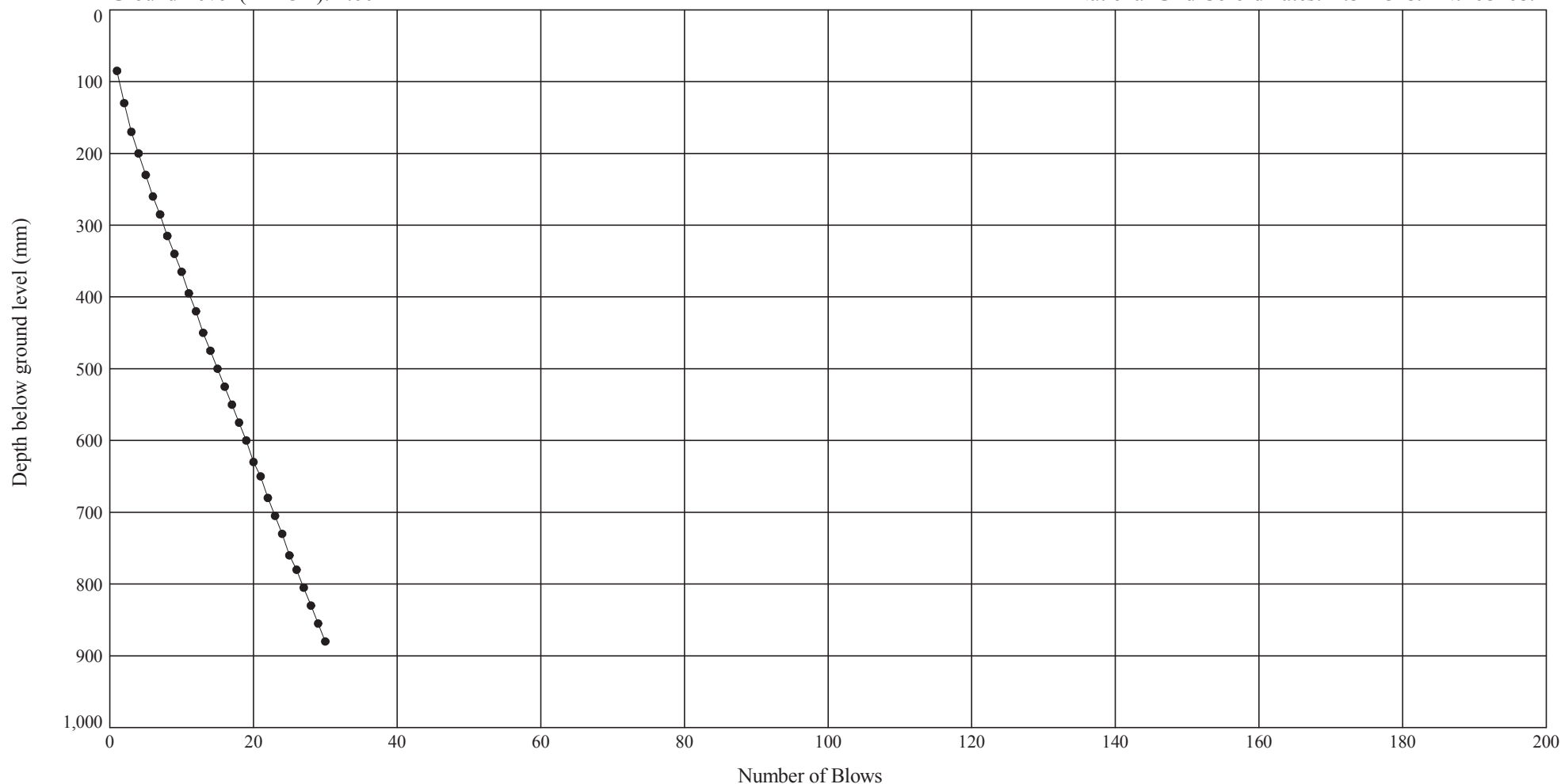
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR71**

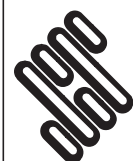
Test Date : **9.4.13**

Ground Level (m AOD): **4.60**

National Grid Co-ordinates: **E:342828.7 N:168468.2**



Notes: **Test conducted in pasture land. Location: Kenn Moor.**



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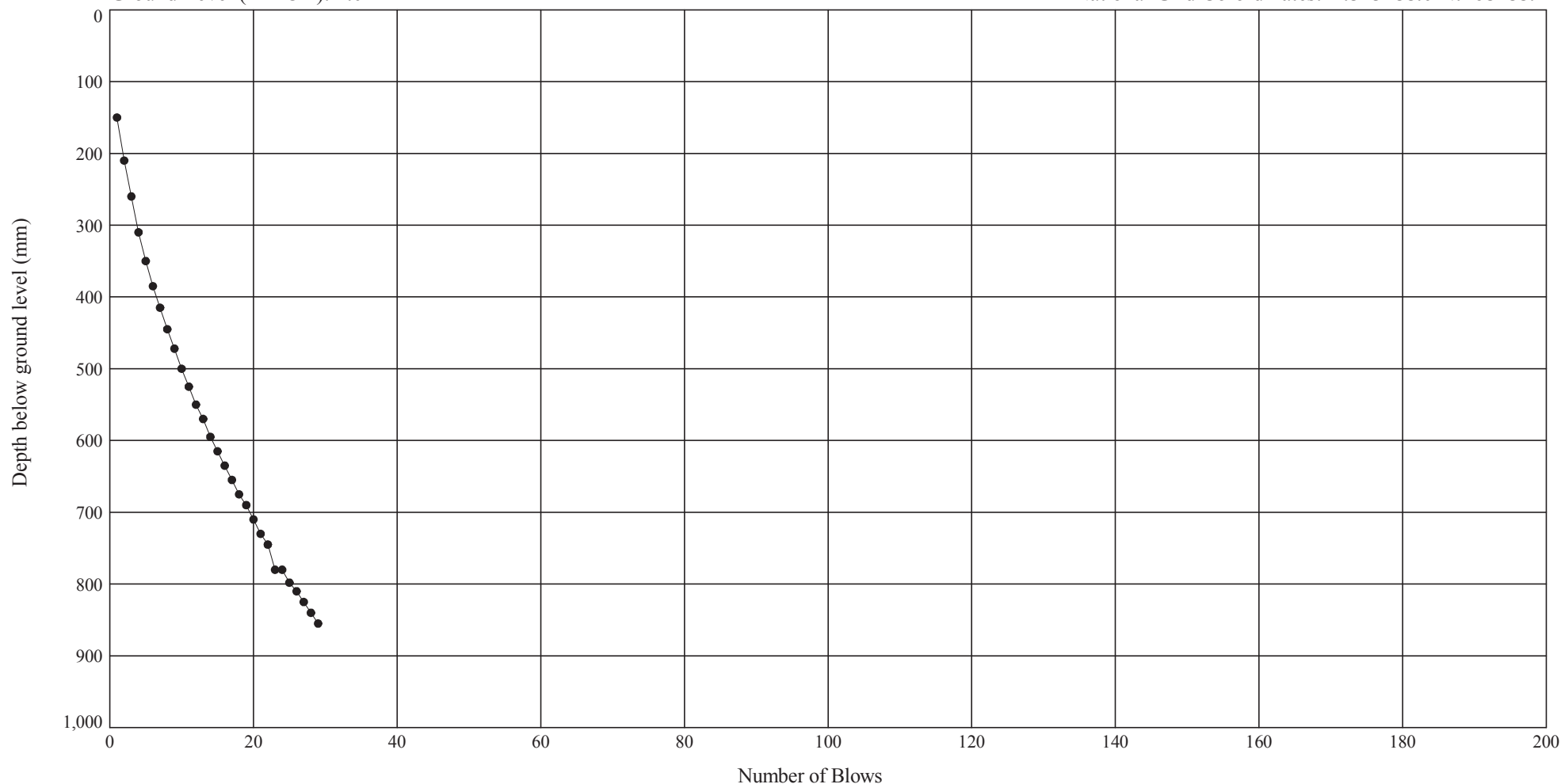
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR72**

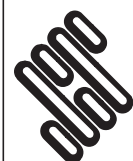
Test Date : **9.4.13**

Ground Level (m AOD): **4.04**

National Grid Co-ordinates: **E:343288.0 N:168788.2**



Notes: **Test conducted in pasture land. Location: Kenn Moor.**



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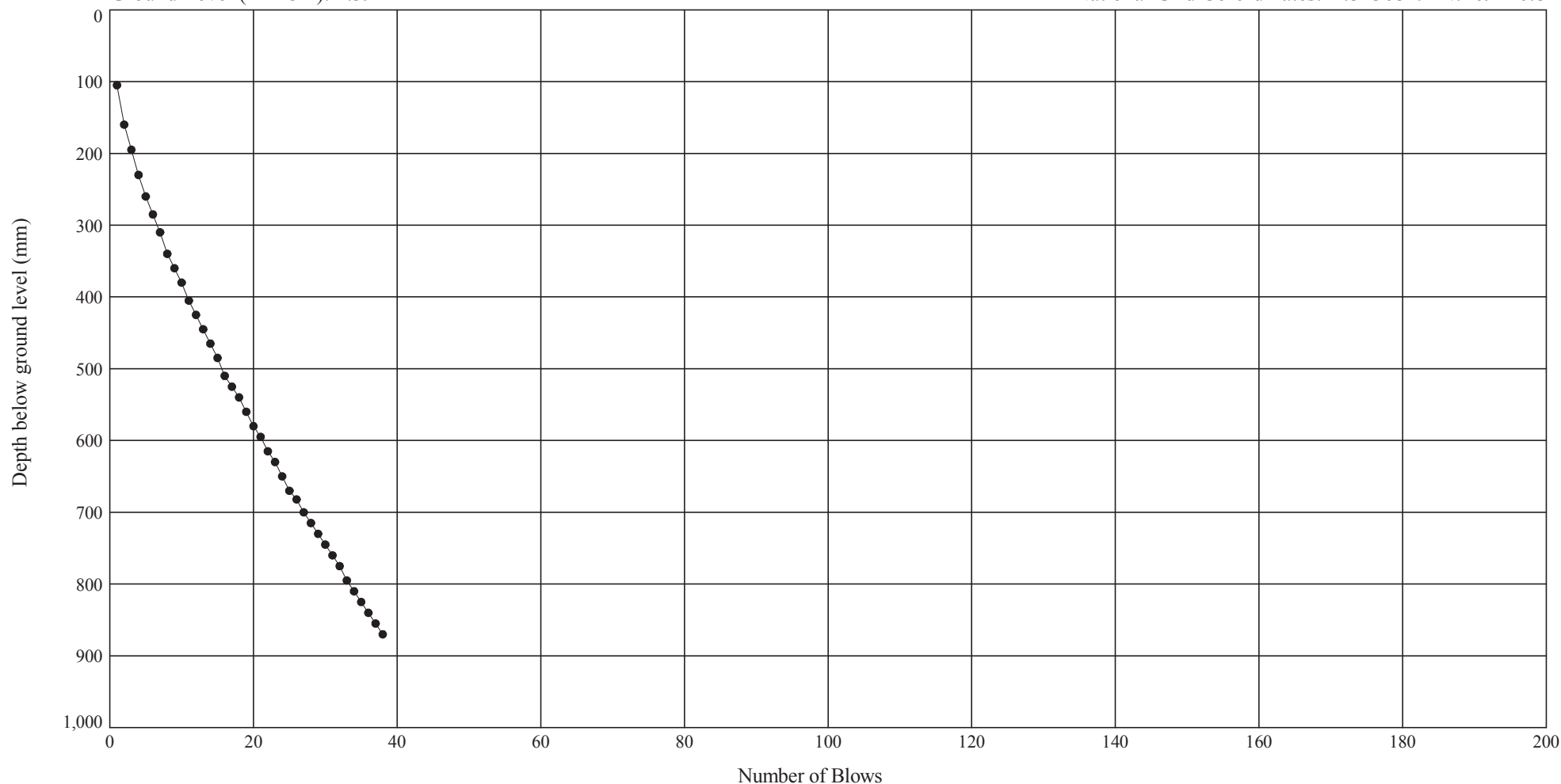
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR73**

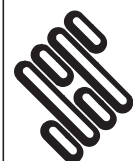
Test Date : **10.4.13**

Ground Level (m AOD): **4.39**

National Grid Co-ordinates: **E:343681.2 N:169210.8**



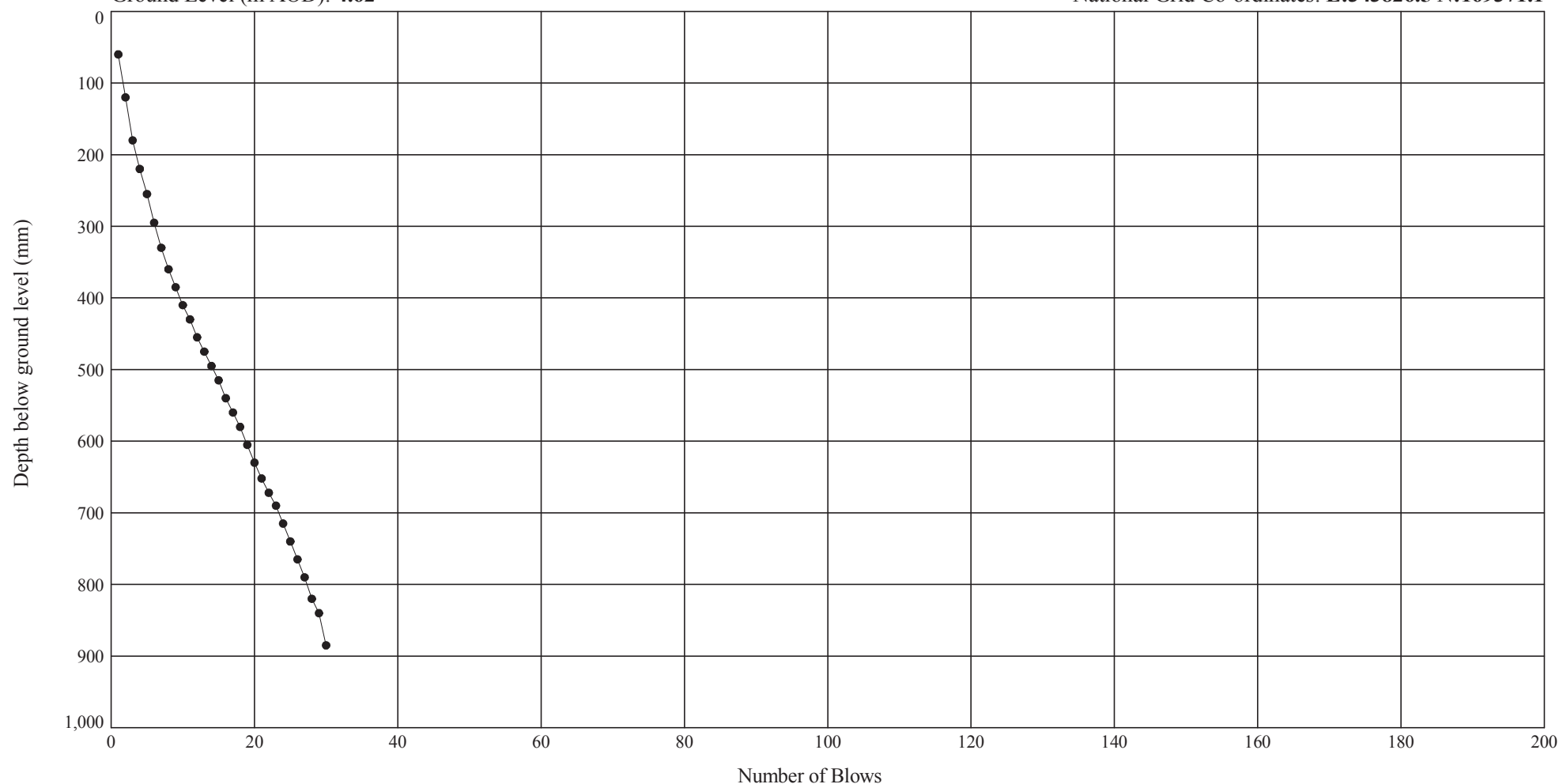
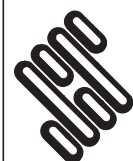
Notes: **Test conducted in pasture land. Location: Kenn Moor.**



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DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR74**Test Date : **9.4.13**Ground Level (m AOD): **4.62**National Grid Co-ordinates: **E:343826.5 N:169371.1**Notes: **Test conducted in pasture land. Location: Kenn Moor.**

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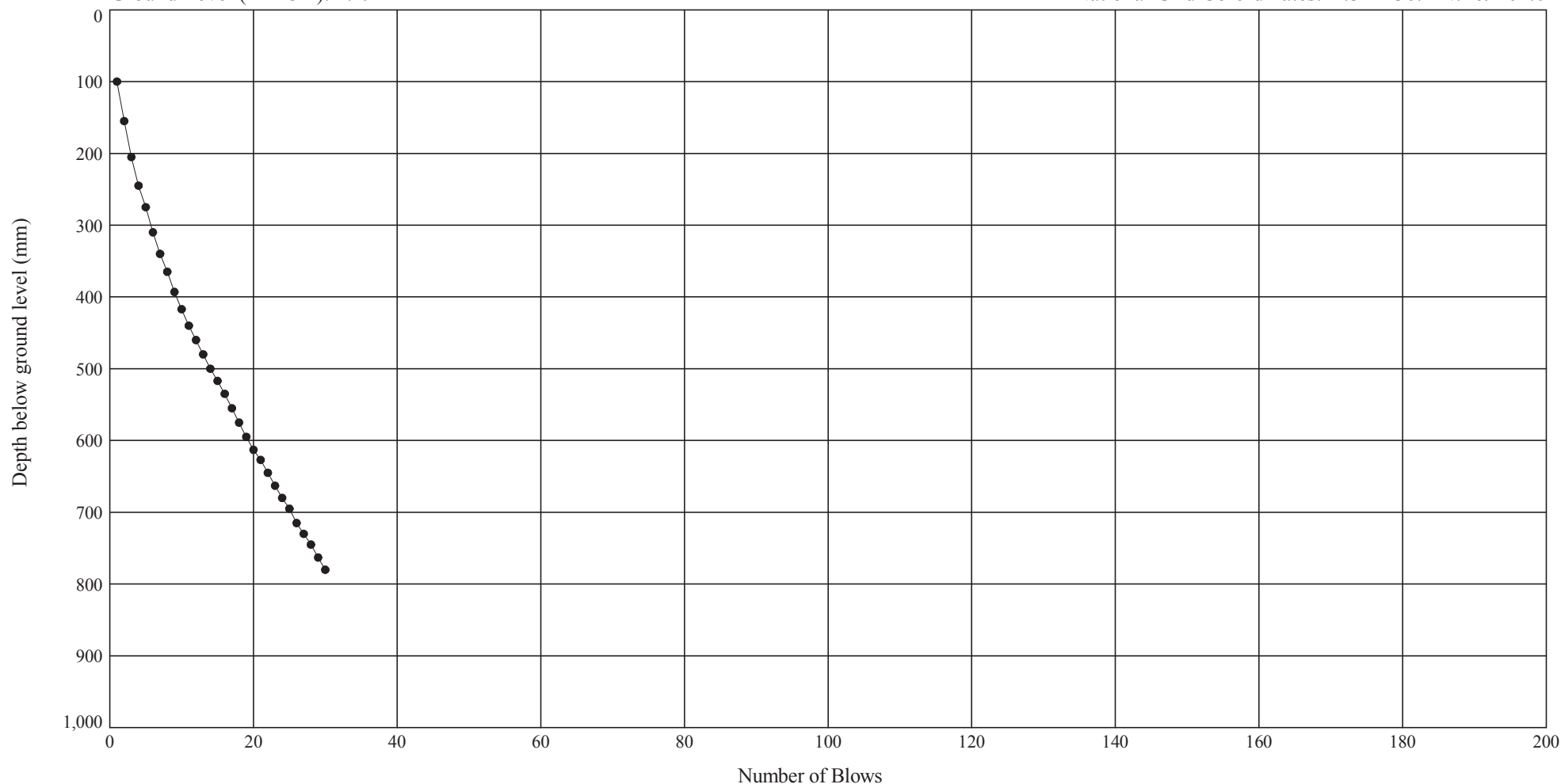
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR75**

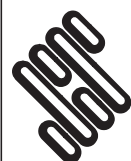
Test Date : **10.4.13**

Ground Level (m AOD): **4.49**

National Grid Co-ordinates: **E:344230.1 N:169402.0**



Notes: **Test conducted adjacent to bank beside track. Location: Nailsea.**



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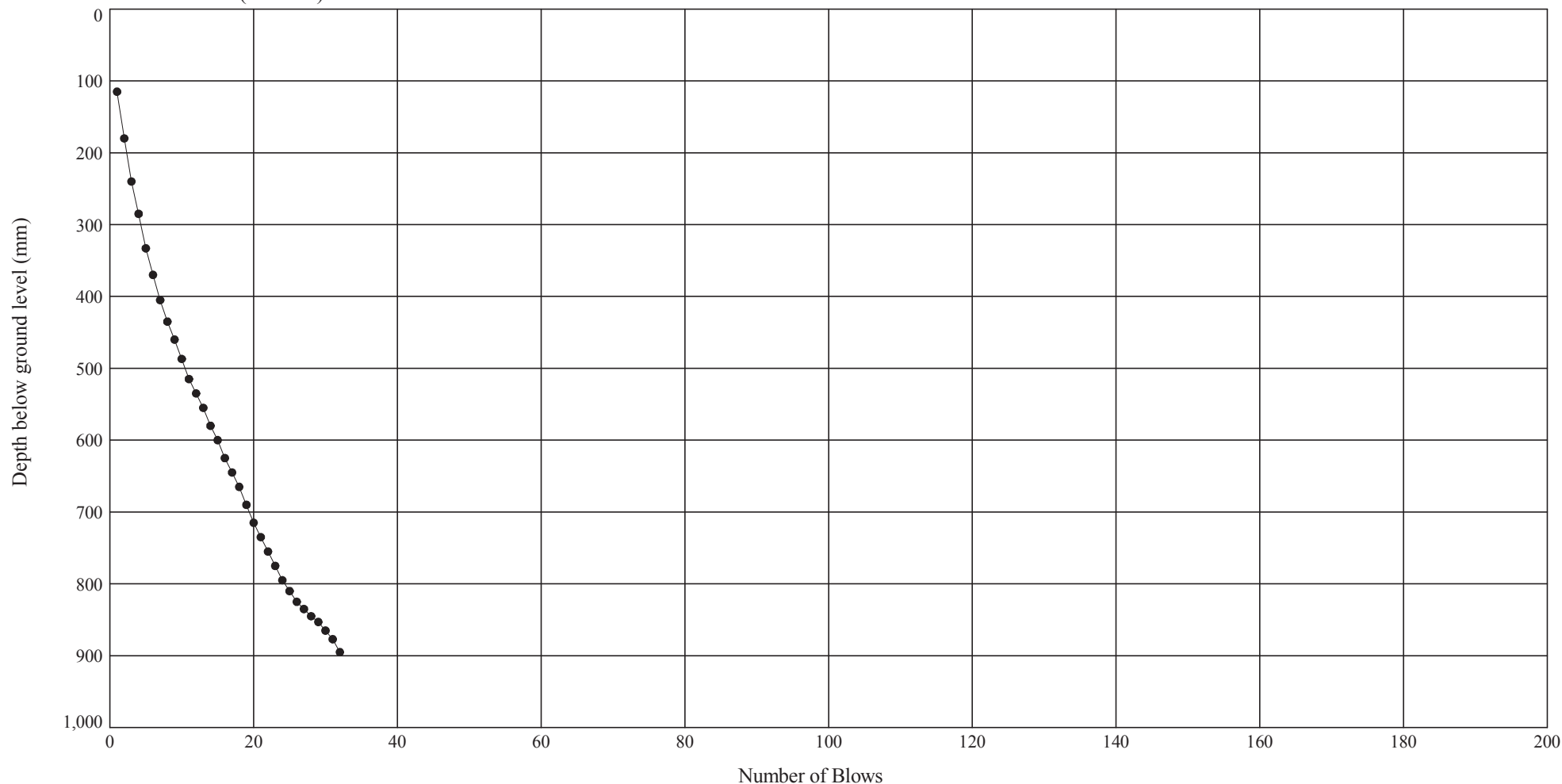
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR76**

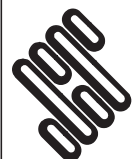
Test Date : **10.4.13**

Ground Level (m AOD): **4.42**

National Grid Co-ordinates: **E:344530.4 N:169757.3**



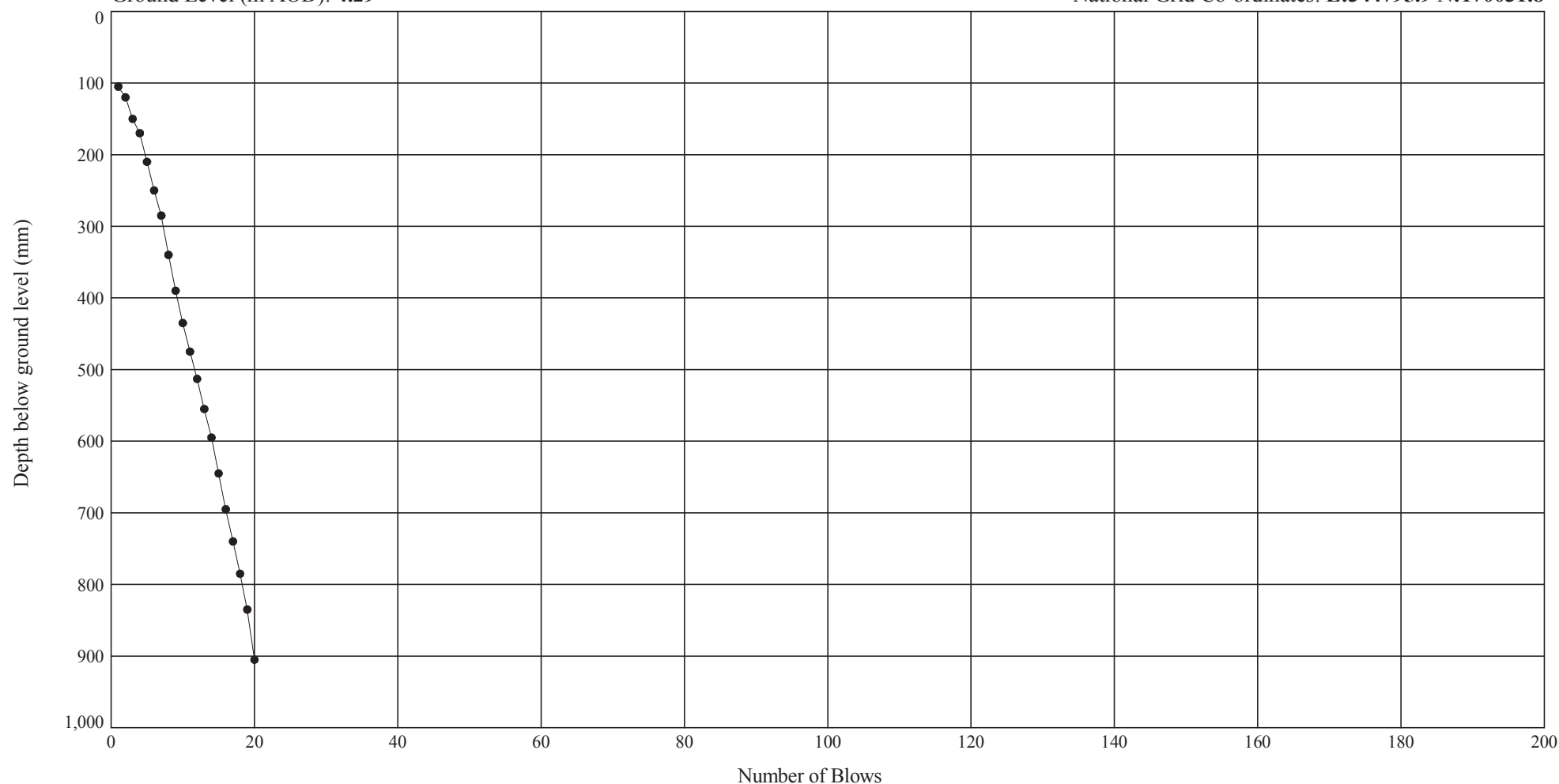
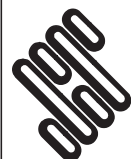
Notes: **Test conducted in pasture land. Location: Nailsea.**



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DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR77**Test Date : **10.4.13**Ground Level (m AOD): **4.29**National Grid Co-ordinates: **E:344795.9 N:170031.8**Notes: **Test conducted in pasture land adjacent to ream. Peat smear left on rod tip. Location: Nailsea.**

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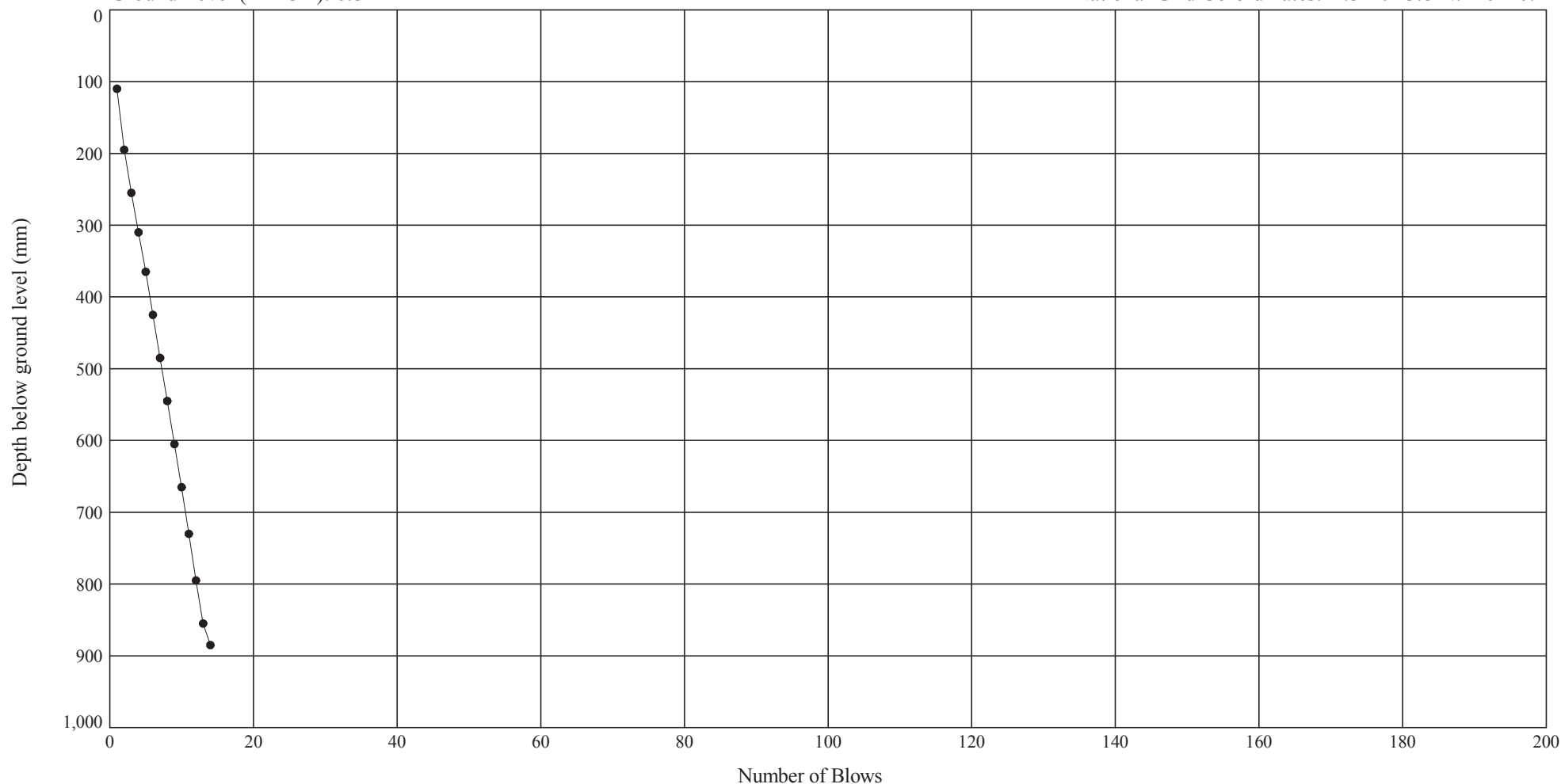
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR78**

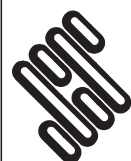
Test Date : **10.4.13**

Ground Level (m AOD): **6.81**

National Grid Co-ordinates: **E:344923.8 N:170120.7**



Notes: **Test conducted in pastue field adjacent to ream. Peat smear left on probe rods. Location: Nailsea.**



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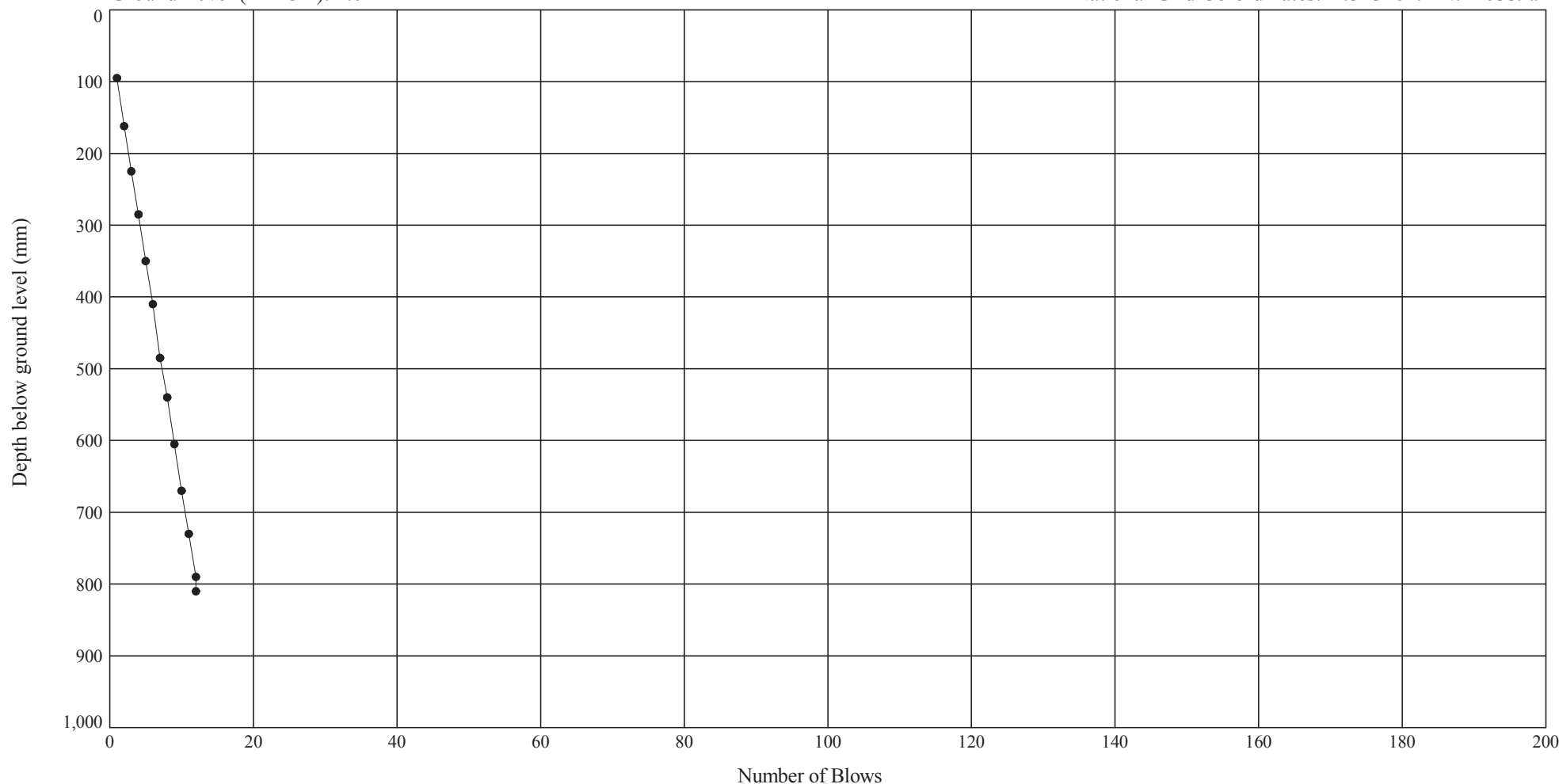
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR79**

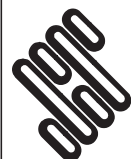
Test Date : **10.4.13**

Ground Level (m AOD): **4.02**

National Grid Co-ordinates: **E:345162.1 N:170559.9**



Notes: **Sunk under own weight to 150mm reading. Test conducted in pasture land. Peat smear left on probe rods. Location: Nailsea.**



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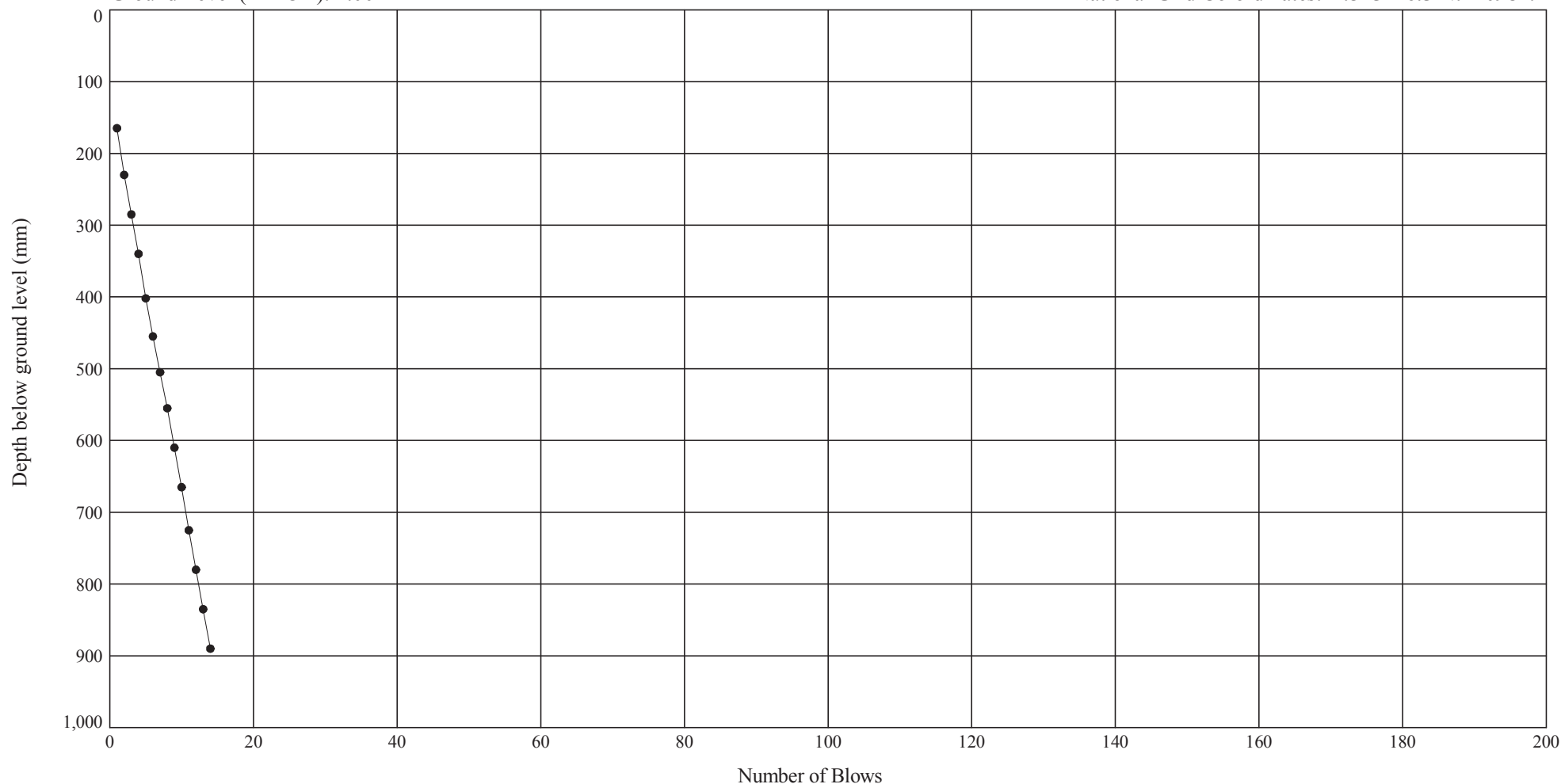
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR80**

Test Date : **10.4.13**

Ground Level (m AOD): **4.00**

National Grid Co-ordinates: **E:345276.5 N:170981.2**



Notes: **Test conducted in pasture land. Peat smear on probe rods. Location: Nailsea.**



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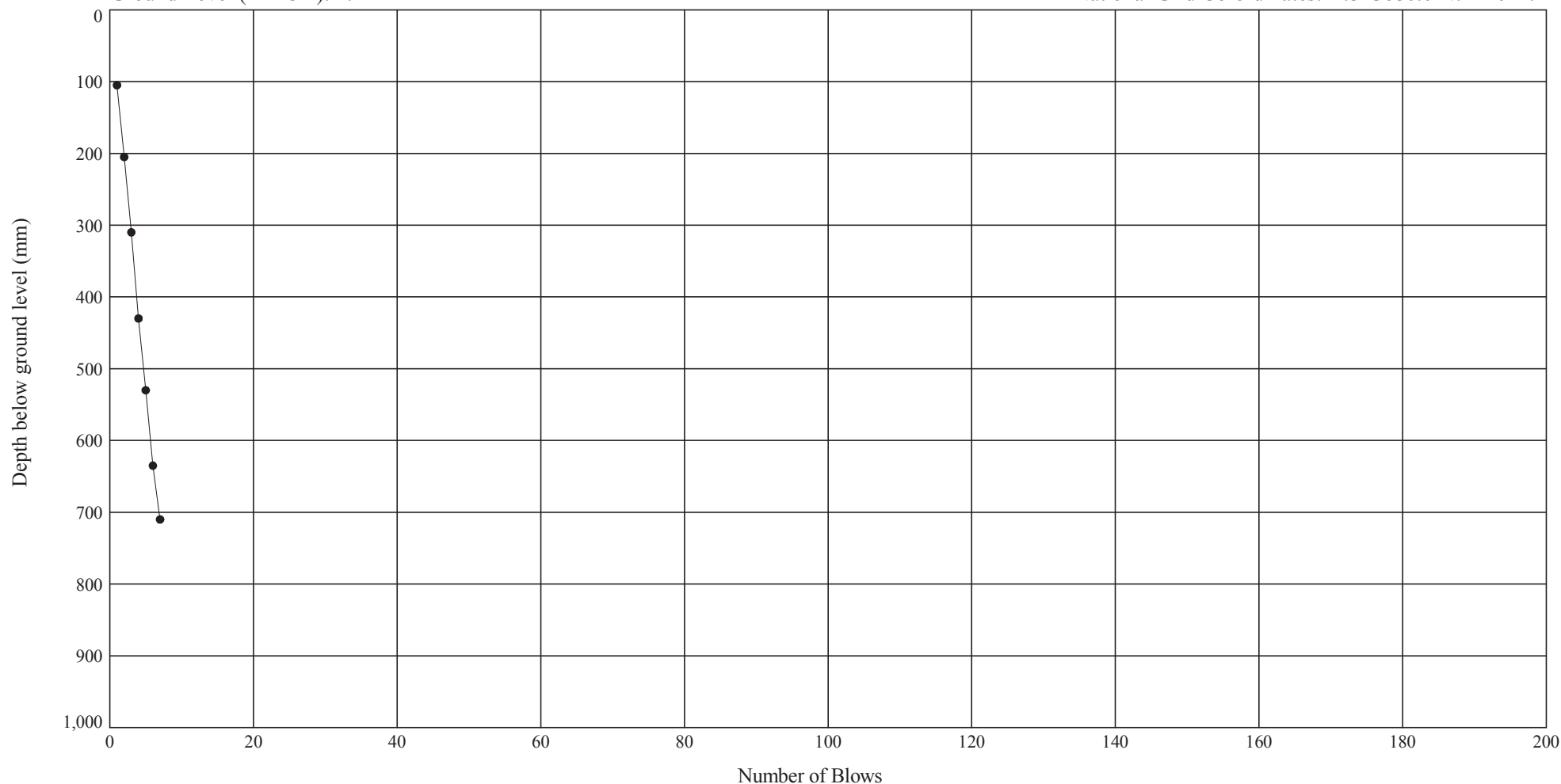
17/10/13

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DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR81**Test Date : **10.4.13**Ground Level (m AOD): **2.44**National Grid Co-ordinates: **E:345680.0 N:171021.4**

Notes: **Probe sunk under own weight to 240mm reading prior to test start. Test conducted in pasture land. Peat smear on probe rods. Location: Nailsea.**



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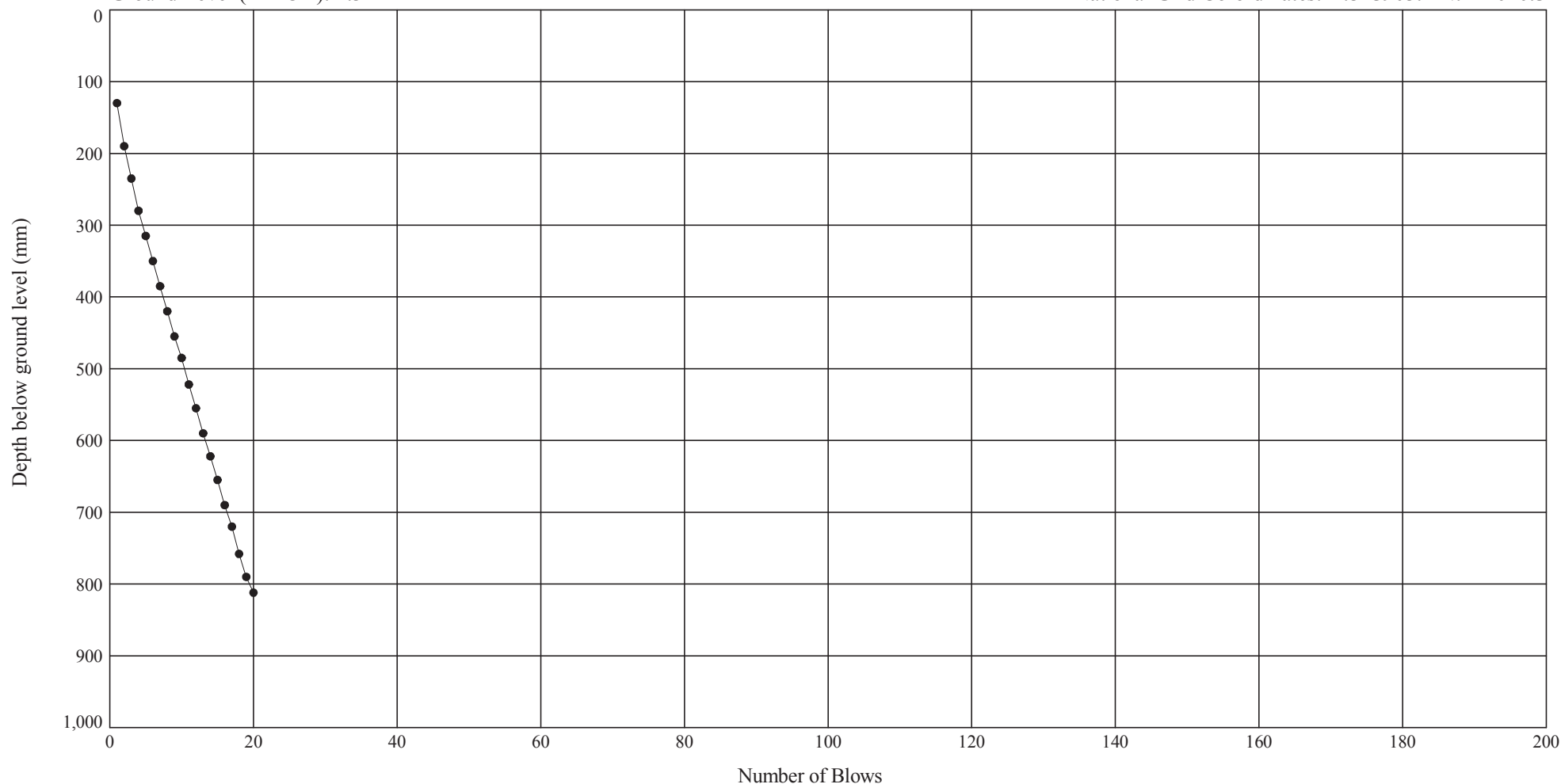
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DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR82**Test Date : **10.4.13**Ground Level (m AOD): **4.32**National Grid Co-ordinates: **E:345903.1 N:171070.5**

Notes: **Probe sunk under own weight to 140mm reading before test start. Test conducted in pasture land. Peat smear on probe rods. Location: Nailsea.**



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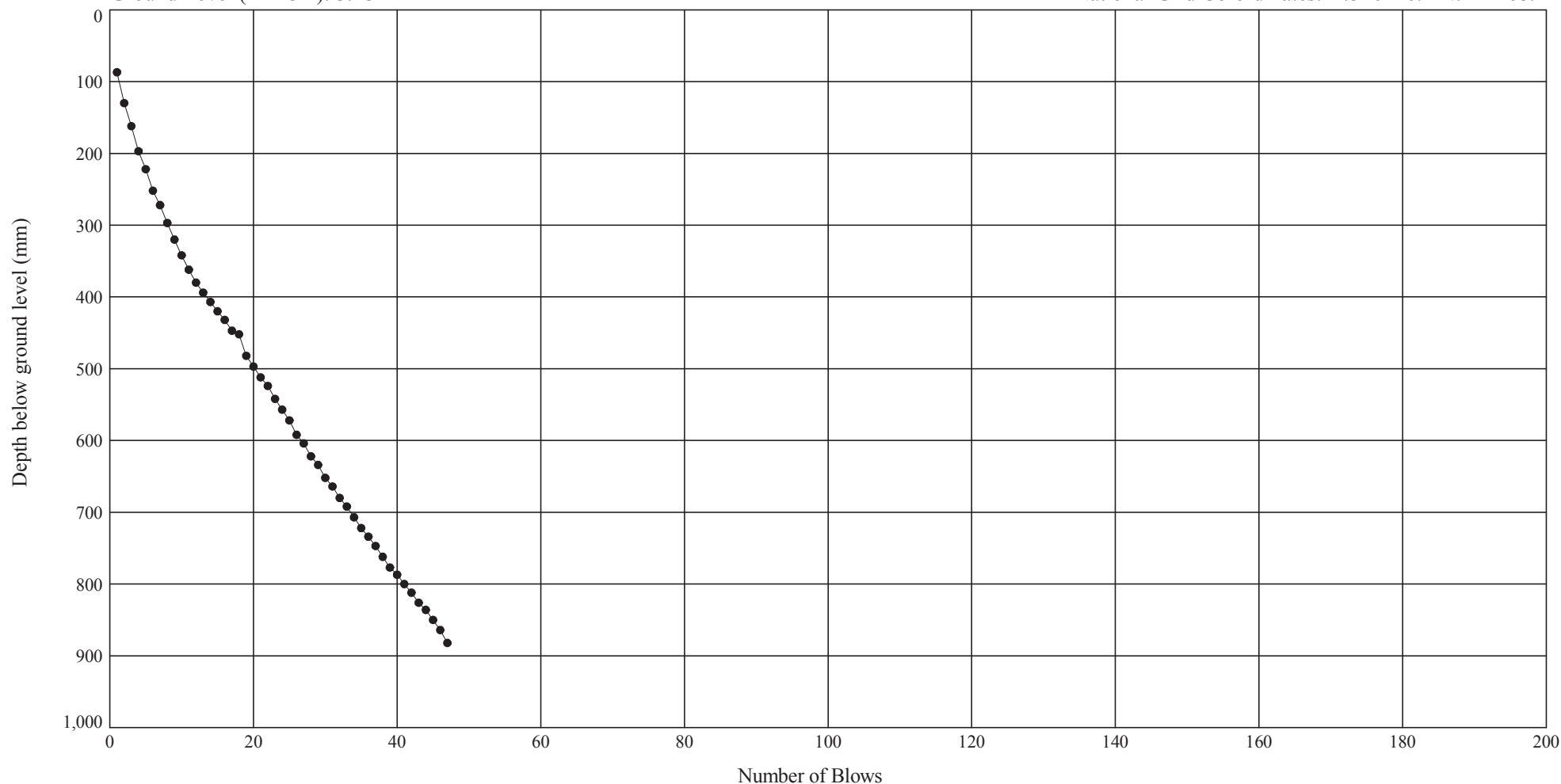
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR83**

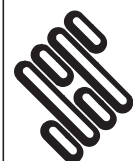
Test Date : **10.4.13**

Ground Level (m AOD): **5.48**

National Grid Co-ordinates: **E:346216.4 N:171268.4**



Notes: **Test conducted in pasture land. Location: Nailsea.**



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Contract	<div>Hinkley to Seabank 400kV Connection</div>					

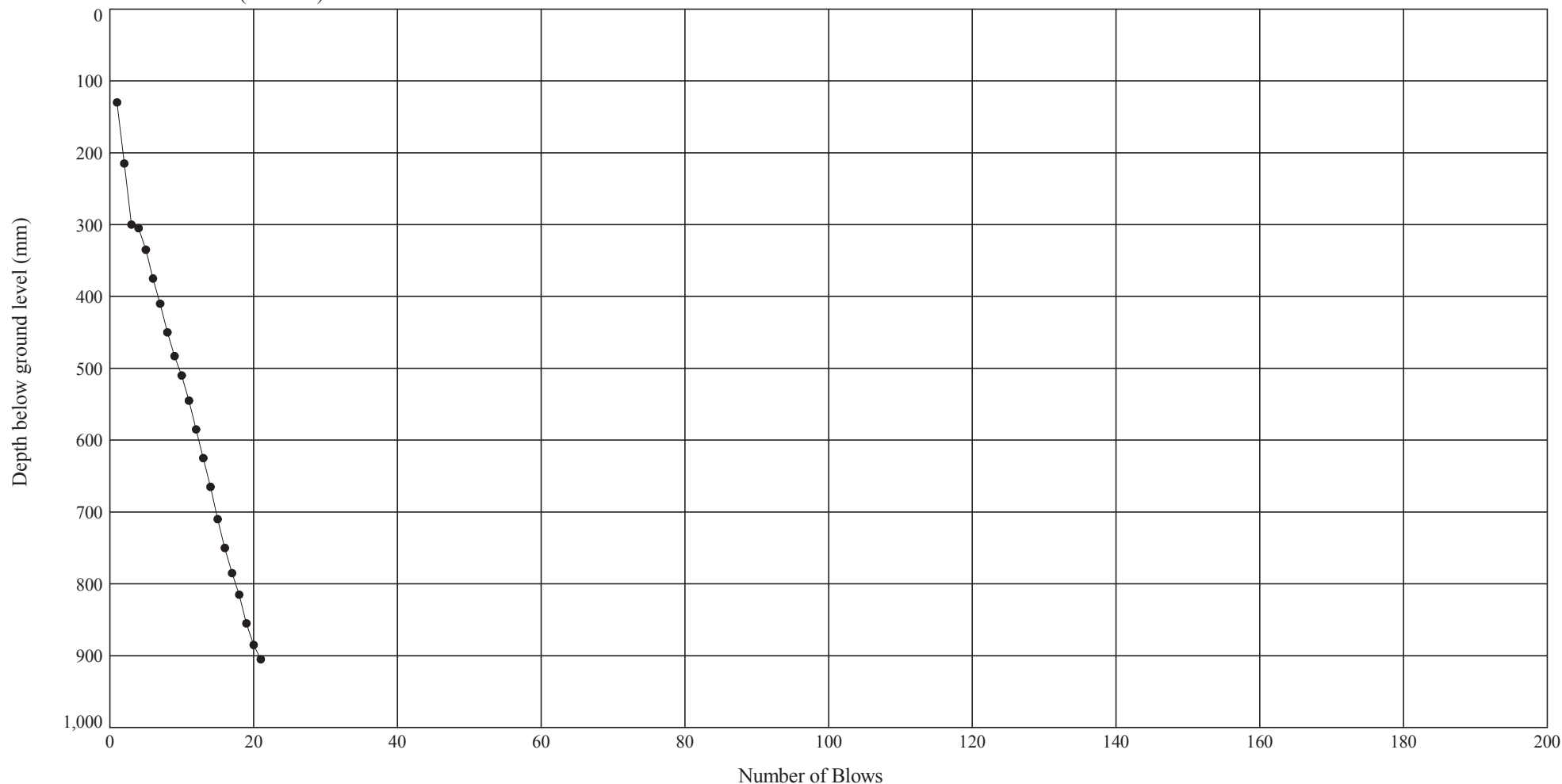
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR84**

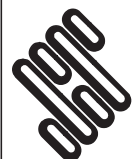
Test Date : **10.4.13**

Ground Level (m AOD): **20.09**

National Grid Co-ordinates: **E:346381.0 N:171772.4**



Notes: **Test conducted in pasture land. Location: Nailsea.**



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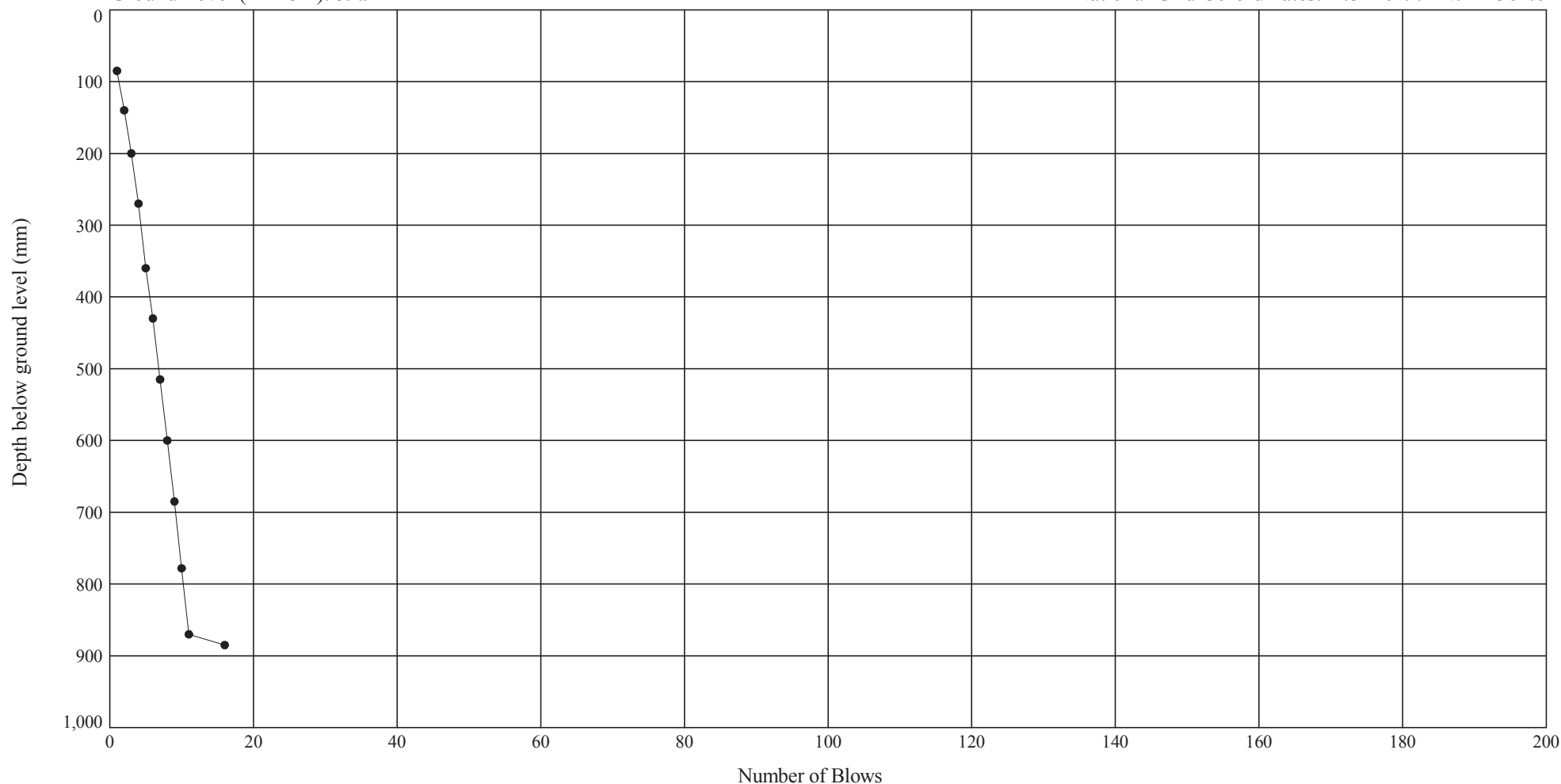
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR87**

Test Date : **11.4.13**

Ground Level (m AOD): **39.91**

National Grid Co-ordinates: **E:347049.4 N:172364.0**



Notes: **Test conducted in pasture land. Location: Tickenham Ridge.**



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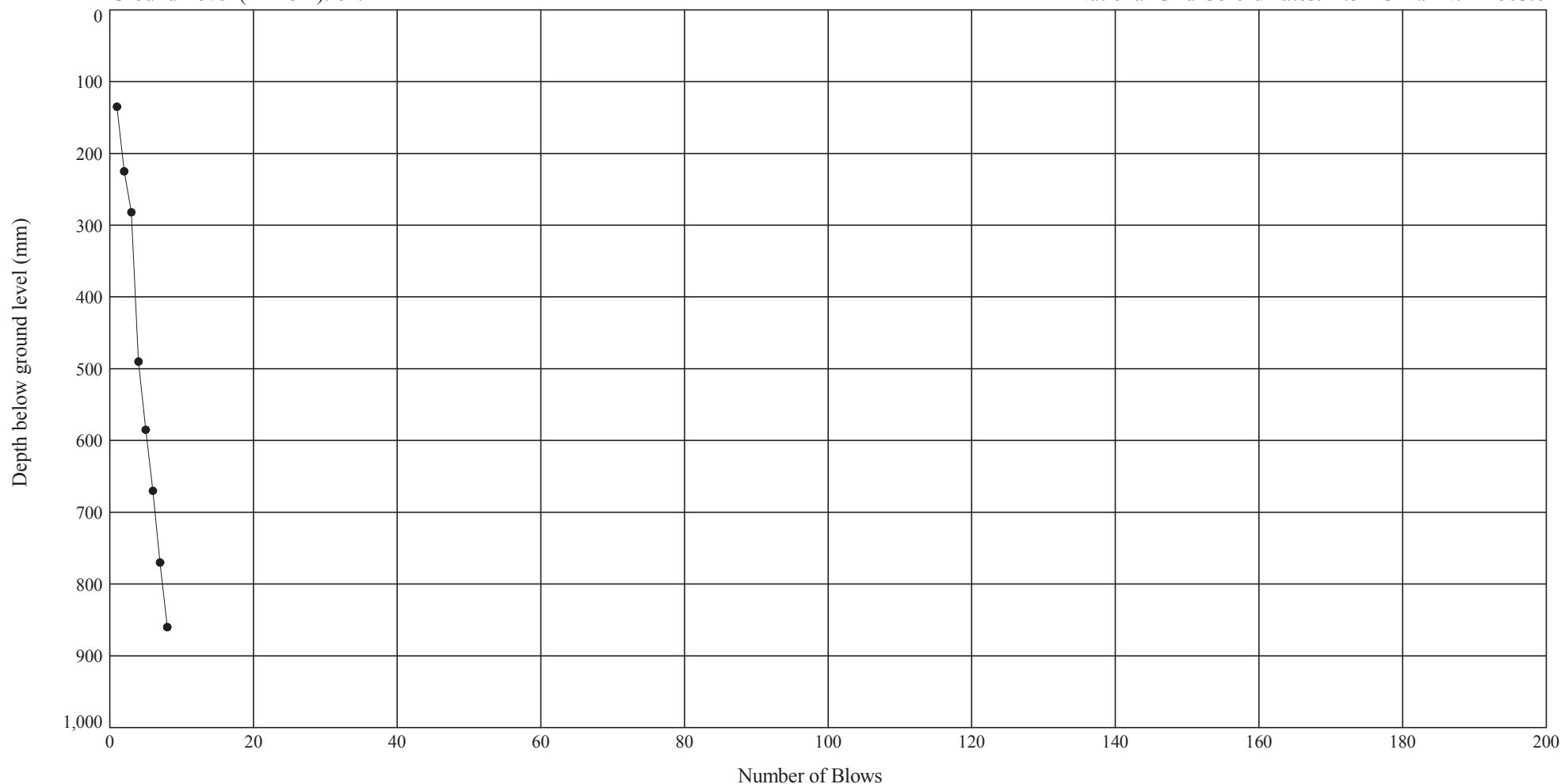
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR88**

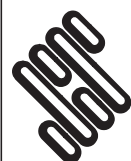
Test Date : **11.4.13**

Ground Level (m AOD): **61.47**

National Grid Co-ordinates: **E:347511.9 N:172605.0**



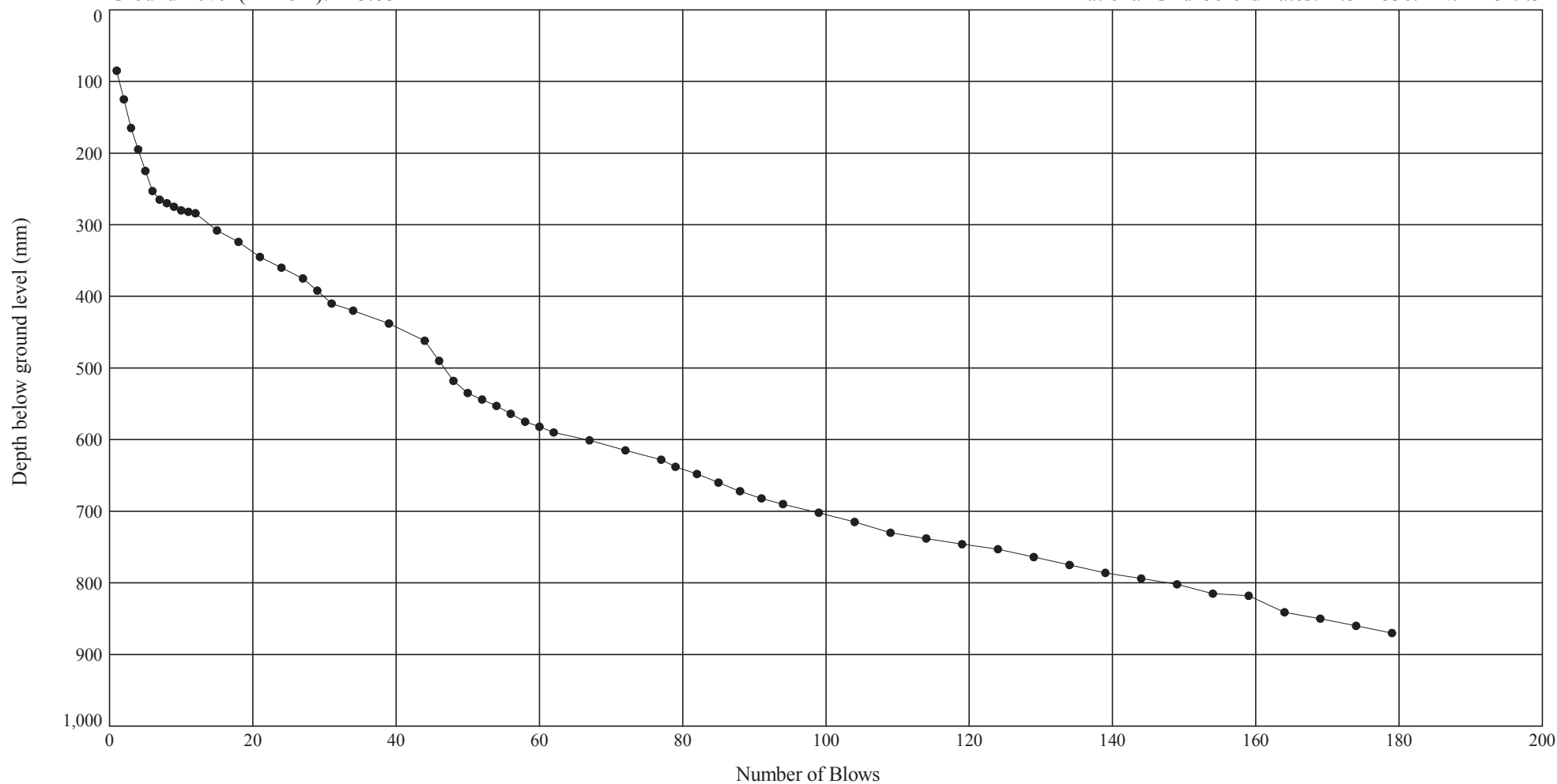
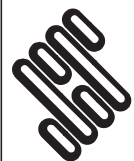
Notes: **Test conducted in pasture land. Location: Tickenham Ridge.**



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DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR89**Test Date : **11.4.13**Ground Level (m AOD): **115.85**National Grid Co-ordinates: **E:347856.2 N:172849.3**Notes: **Test conducted in pasture land. Location: Tickenham Ridge.**

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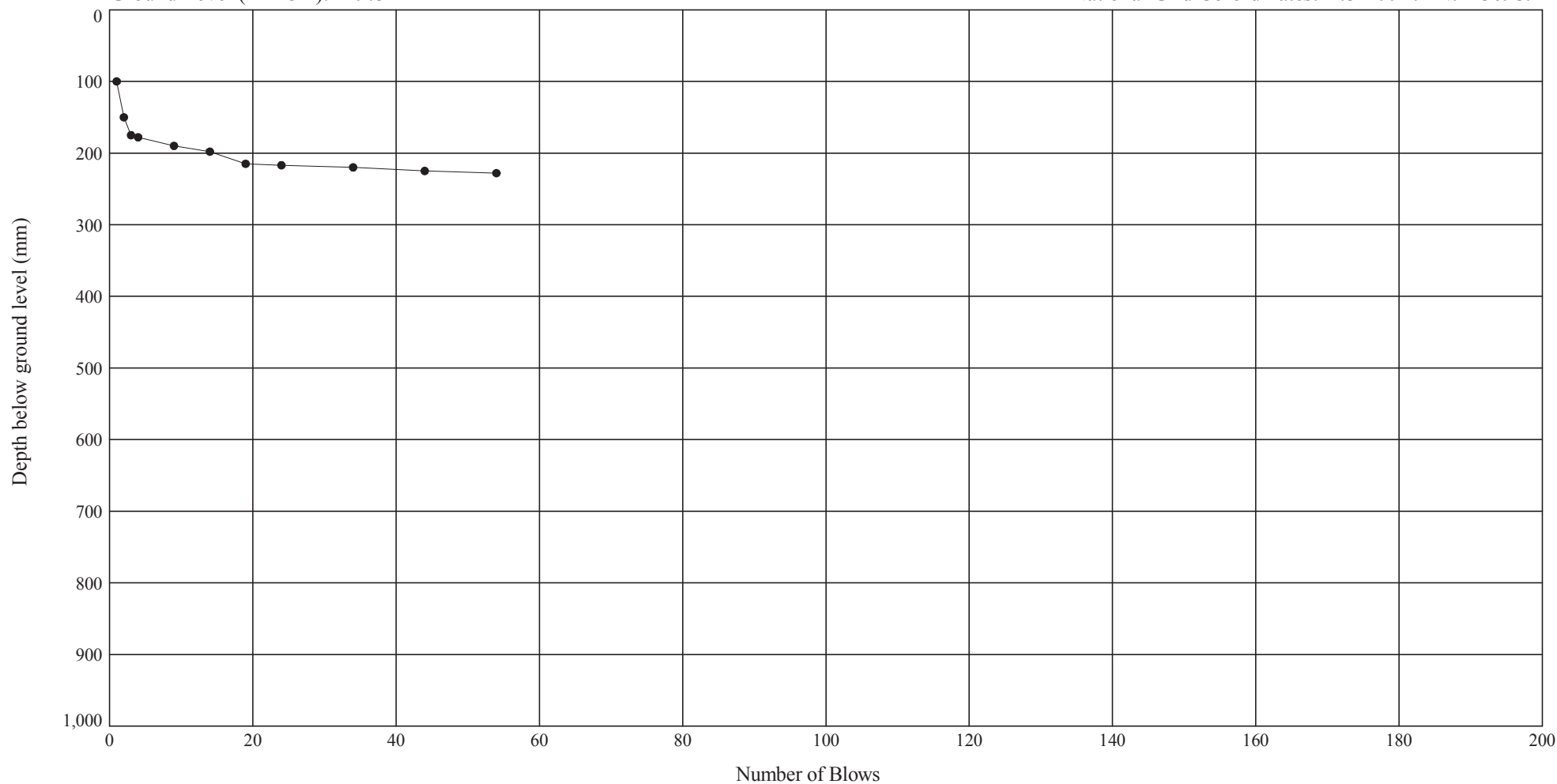
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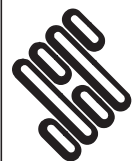
17/10/13

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DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR90**Test Date : **11.4.13**Ground Level (m AOD): **129.87**National Grid Co-ordinates: **E:347991.1 N:173098.4**

Notes: Tests terminated as damage to equipment may result. Location: Tickenham Ridge.



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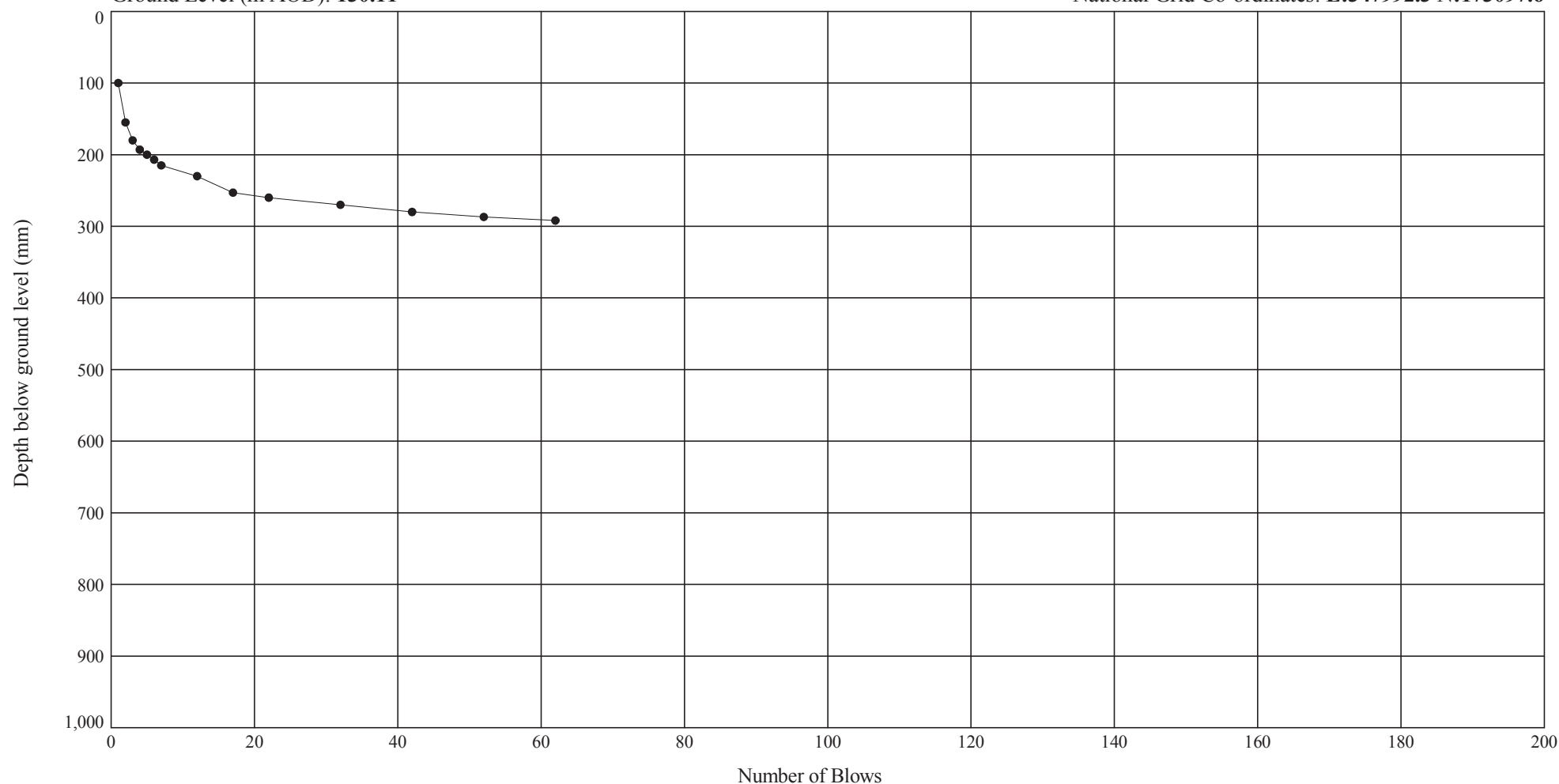
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Contract Ref:

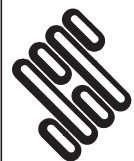
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DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR90A**Test Date : **11.4.13**Ground Level (m AOD): **130.11**National Grid Co-ordinates: **E:347992.3 N:173097.6**

Notes: **Test OH-CBR90A undertaken to confirm shallow low penetration at locality. Location: Tickenham Ridge.**



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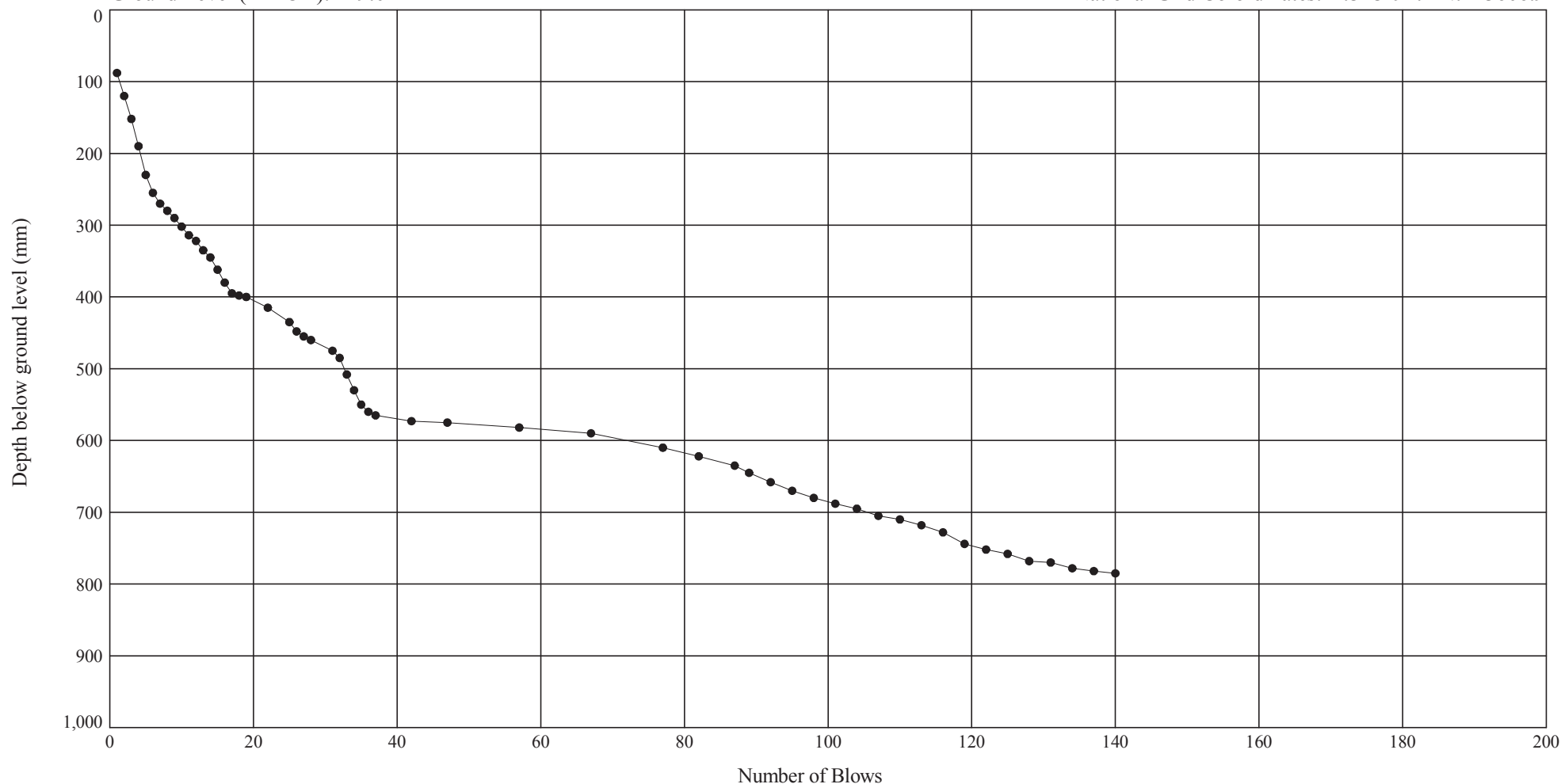
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR91**

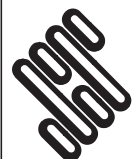
Test Date : **11.4.13**

Ground Level (m AOD): **129.02**

National Grid Co-ordinates: **E:348192.1 N:173606.9**



Notes: **Test conducted in pasture land. Location: Tickenham Ridge.**



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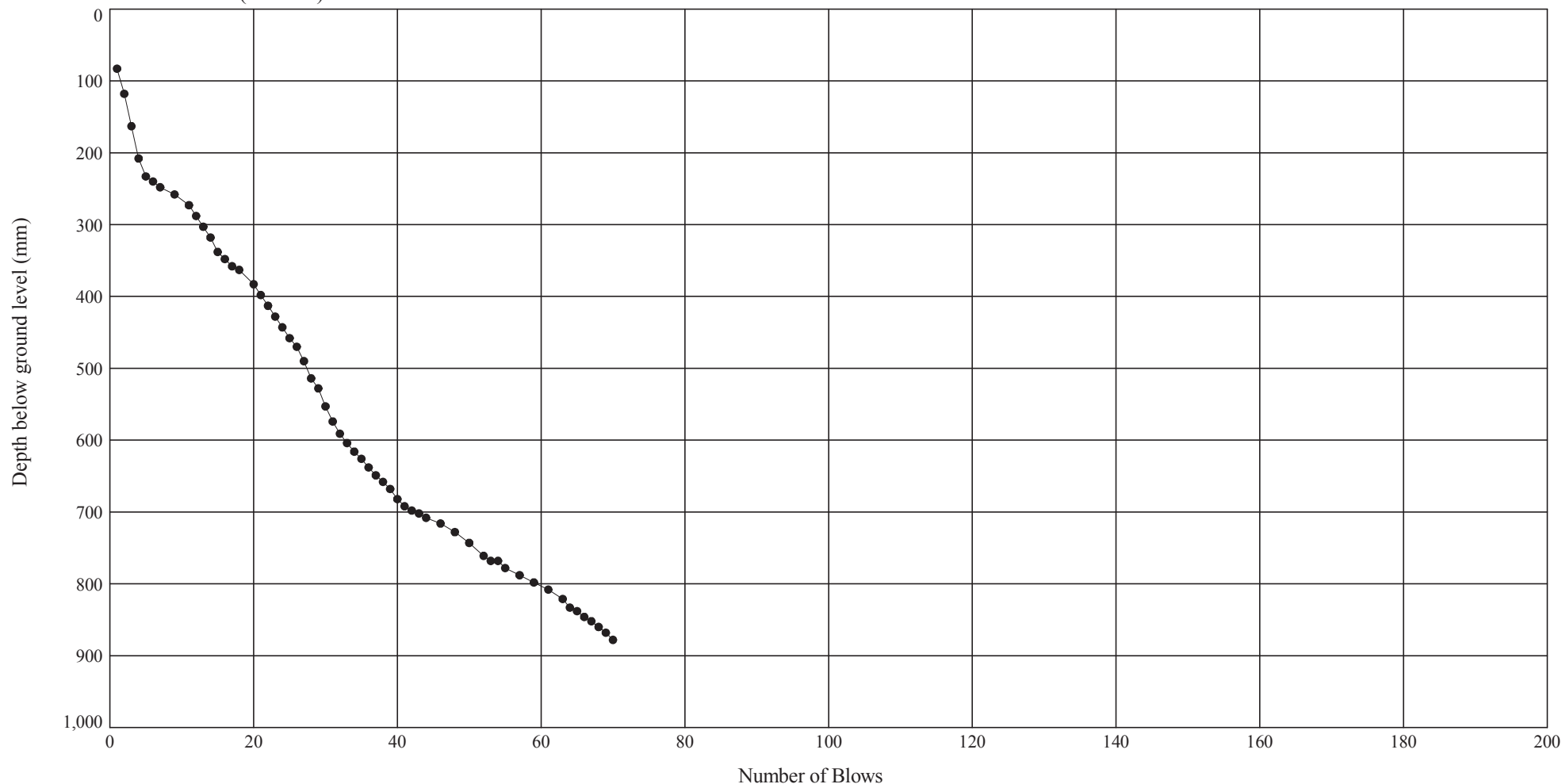
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR92**

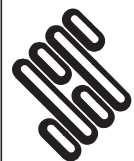
Test Date : **11.4.13**

Ground Level (m AOD): **111.44**

National Grid Co-ordinates: **E:348410.9 N:173904.3**



Notes: **Test conducted in pasture land. Location: Tickenham Ridge.**



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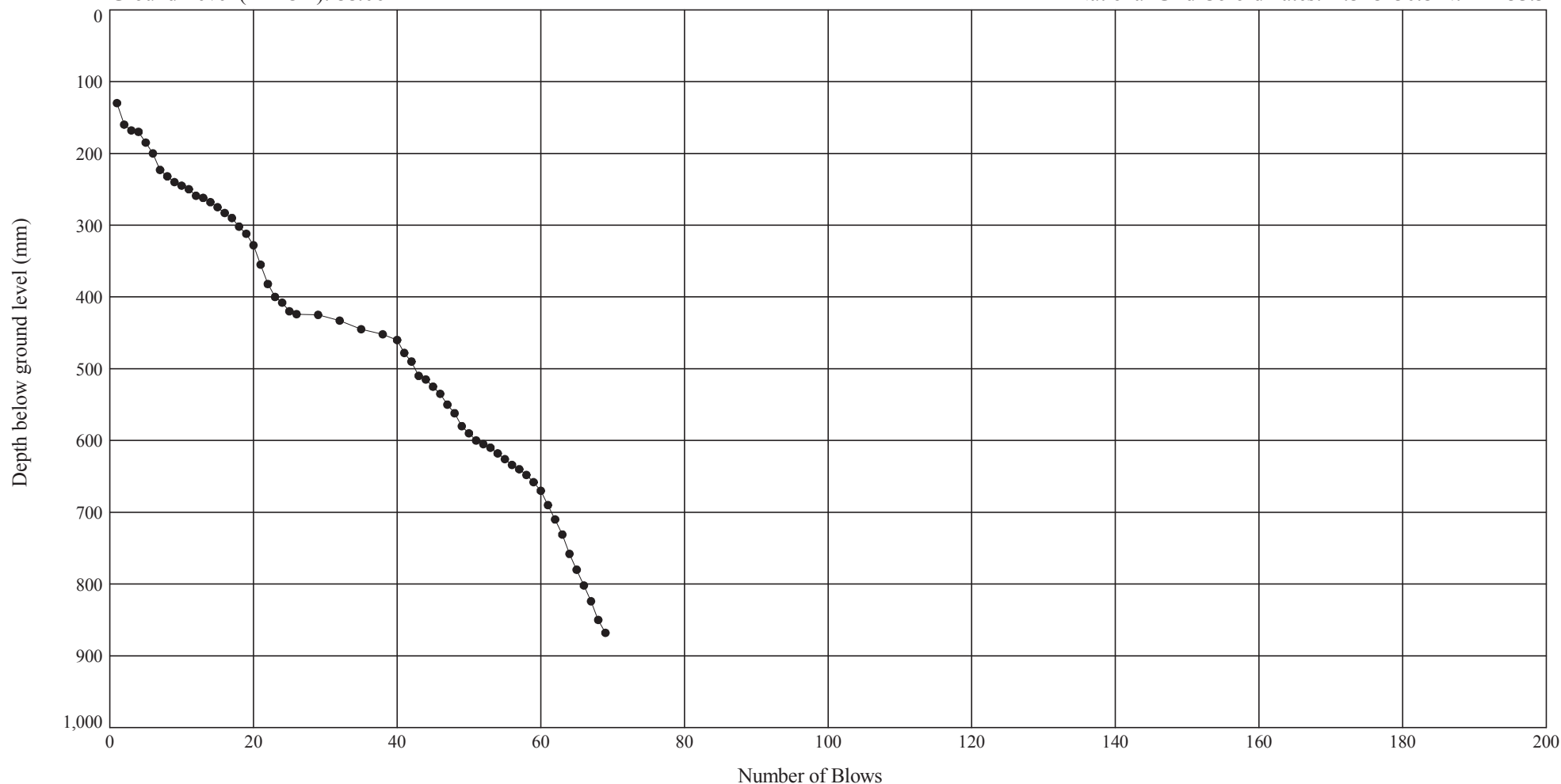
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR93**

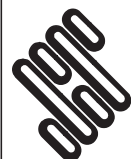
Test Date : **11.4.13**

Ground Level (m AOD): **88.06**

National Grid Co-ordinates: **E:348430.8 N:174135.3**



Notes: **Test conducted in freshly sown field. Location: Tickenham Ridge.**



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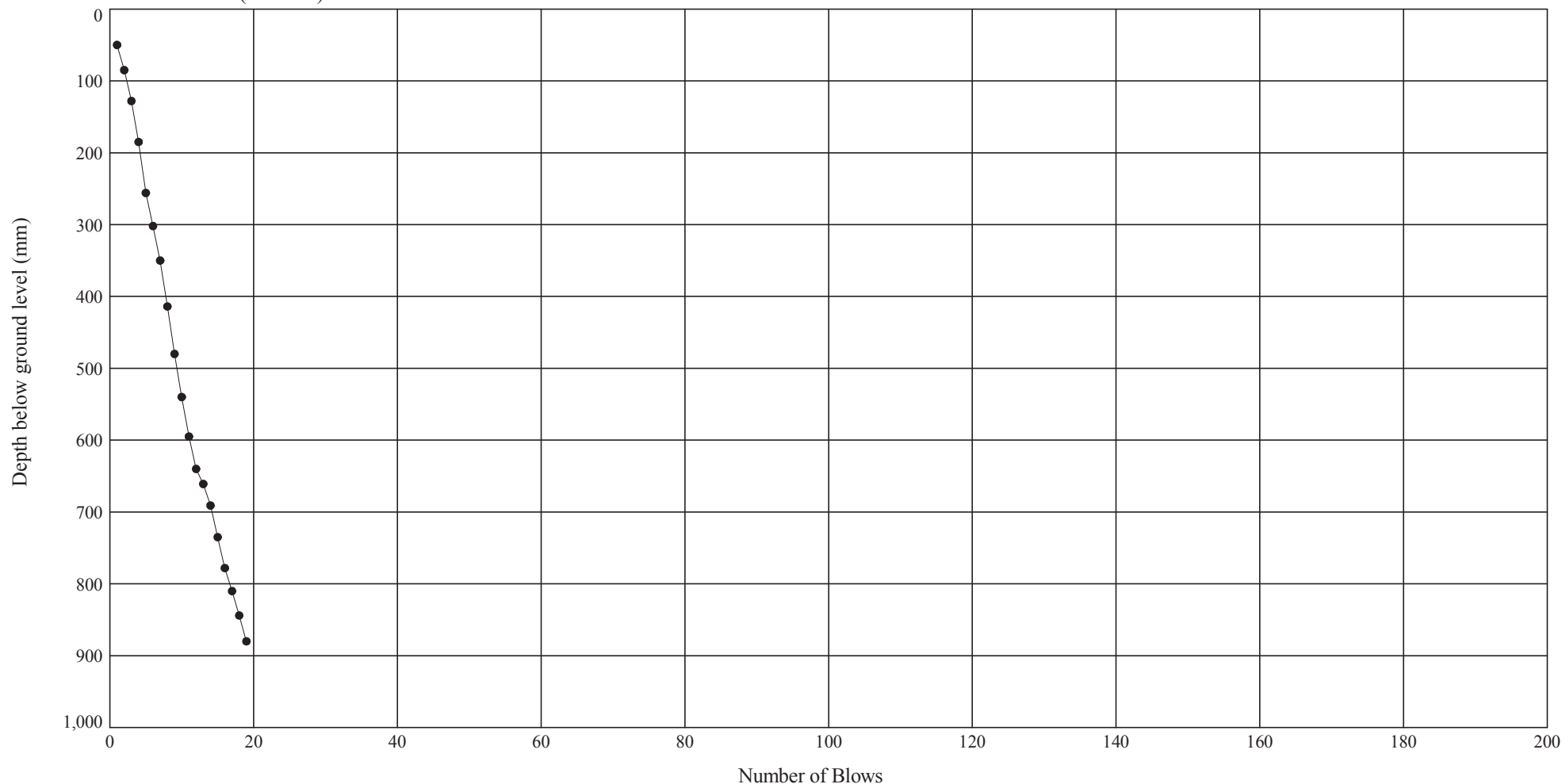
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR94**

Test Date : **11.4.13**

Ground Level (m AOD): **64.71**

National Grid Co-ordinates: **E:348581.9 N:174429.1**



Notes: **Test conducted adjacent to motocross track. Location: Portbury.**



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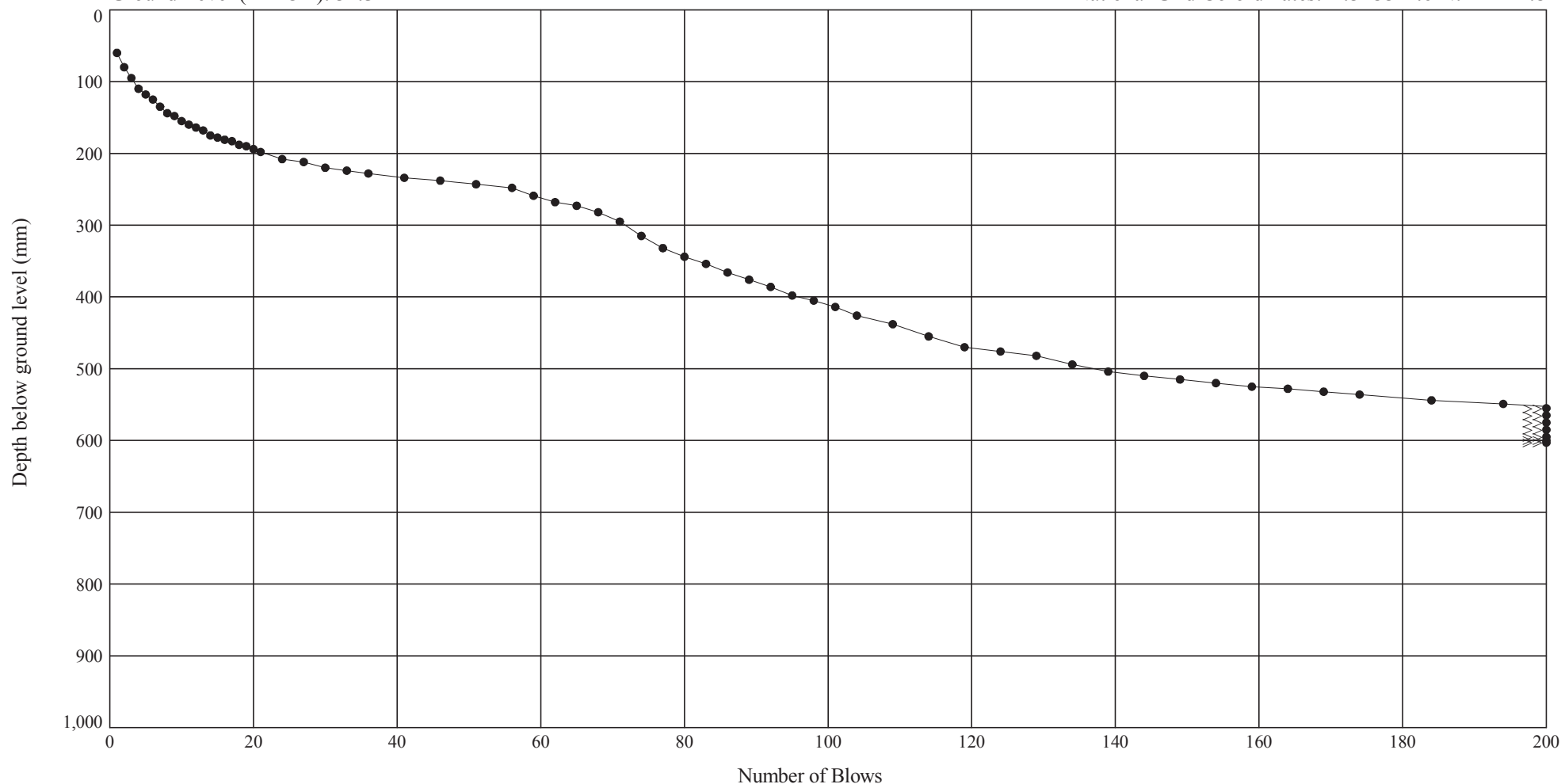
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR95**

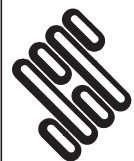
Test Date : **11.4.13**

Ground Level (m AOD): **32.54**

National Grid Co-ordinates: **E:348827.6 N:174744.8**



Notes: **Test conducted within rough pasture at side of track. Test terminated at 663mg reading as low penetration rate may damage equipment. Location: Portbury.**



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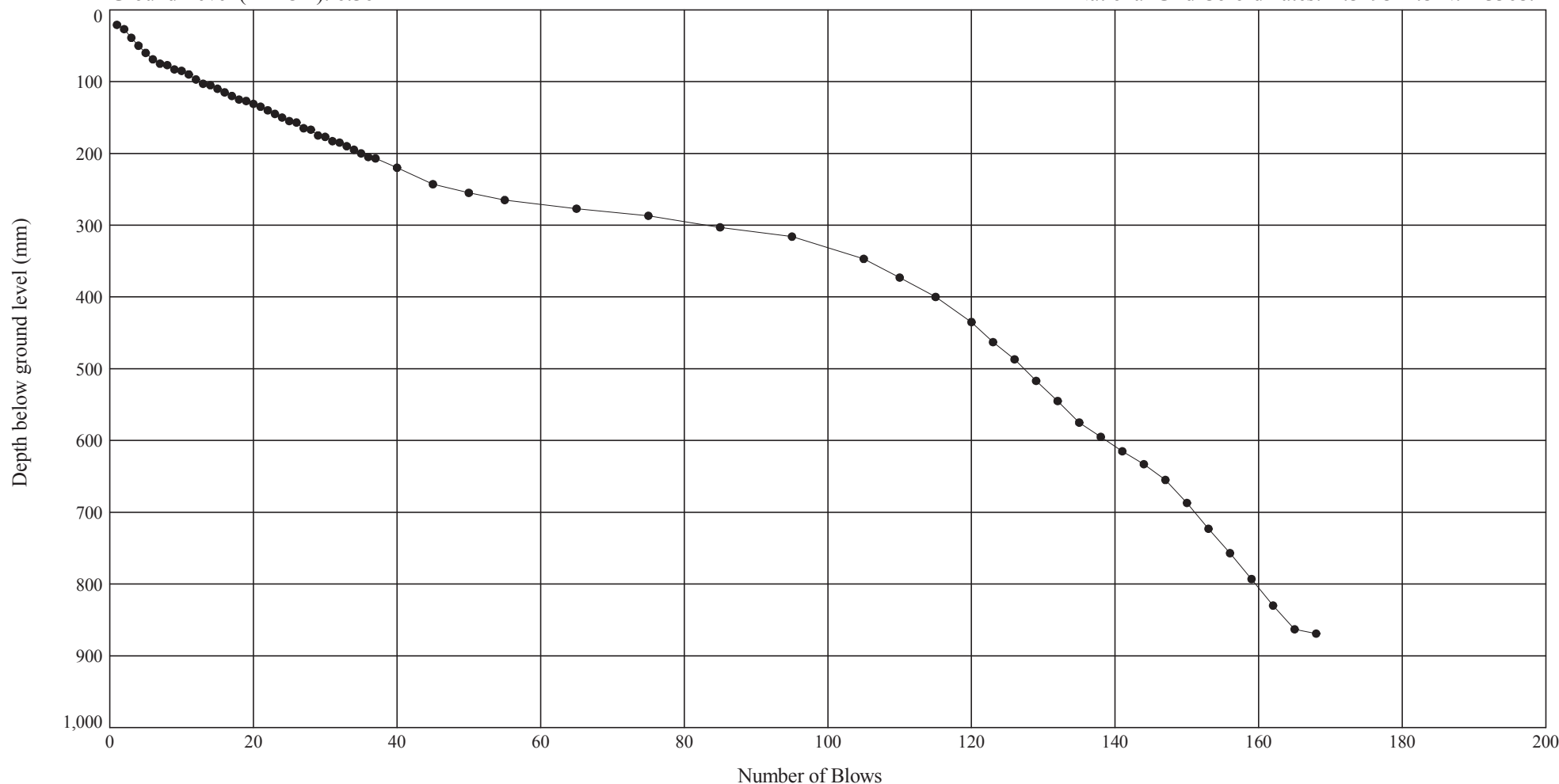
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR99**

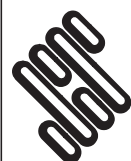
Test Date : **8.7.13**

Ground Level (m AOD): **6.56**

National Grid Co-ordinates: **E:349342.8 N:175368.7**



Notes: **Grass field. Location: Portbury.**



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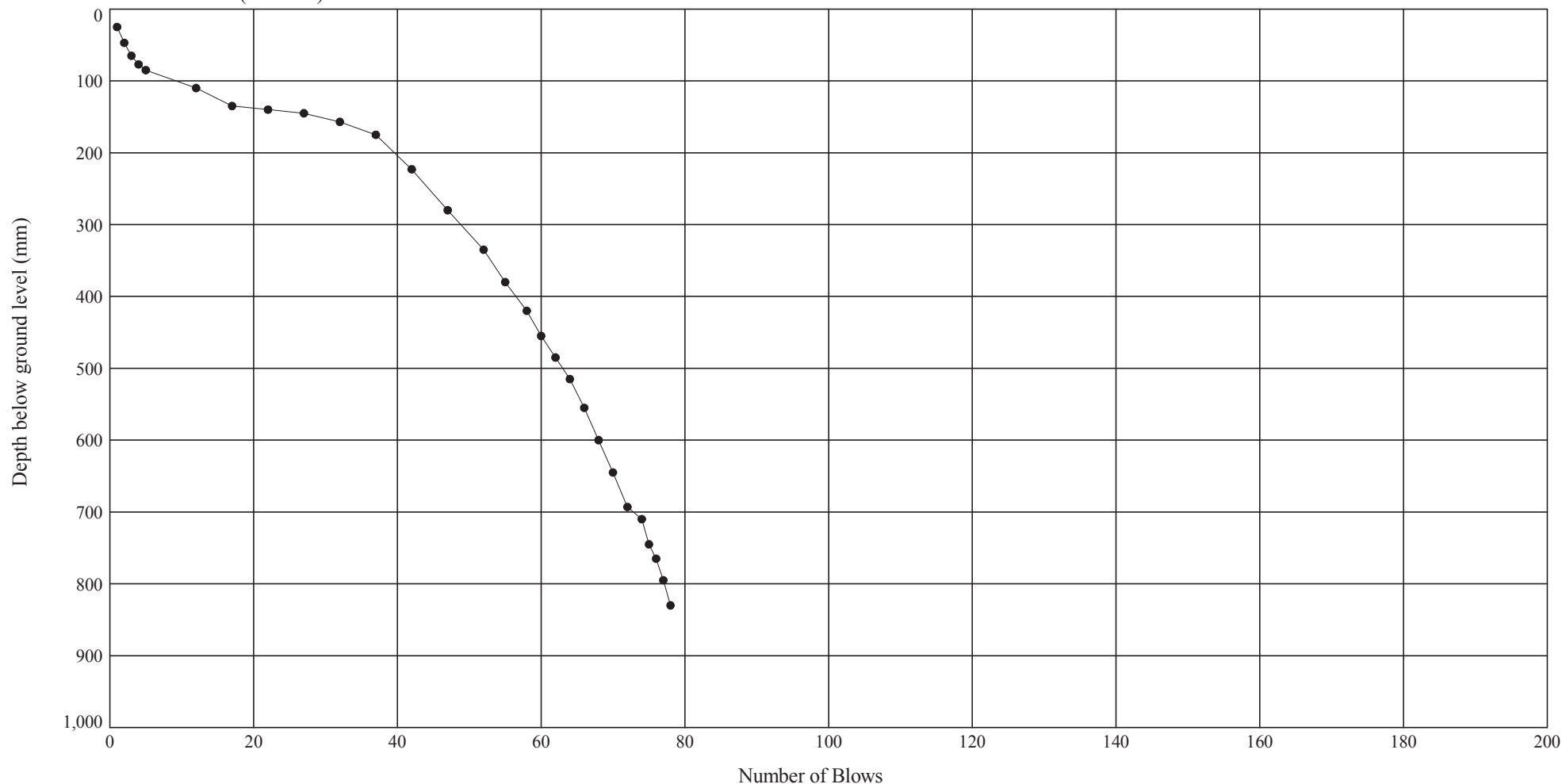
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR100**

Test Date : **8.7.13**

Ground Level (m AOD): **7.71**

National Grid Co-ordinates: **E:349494.9 N:175485.9**



Notes: **Grass field. Location: Portbury.**



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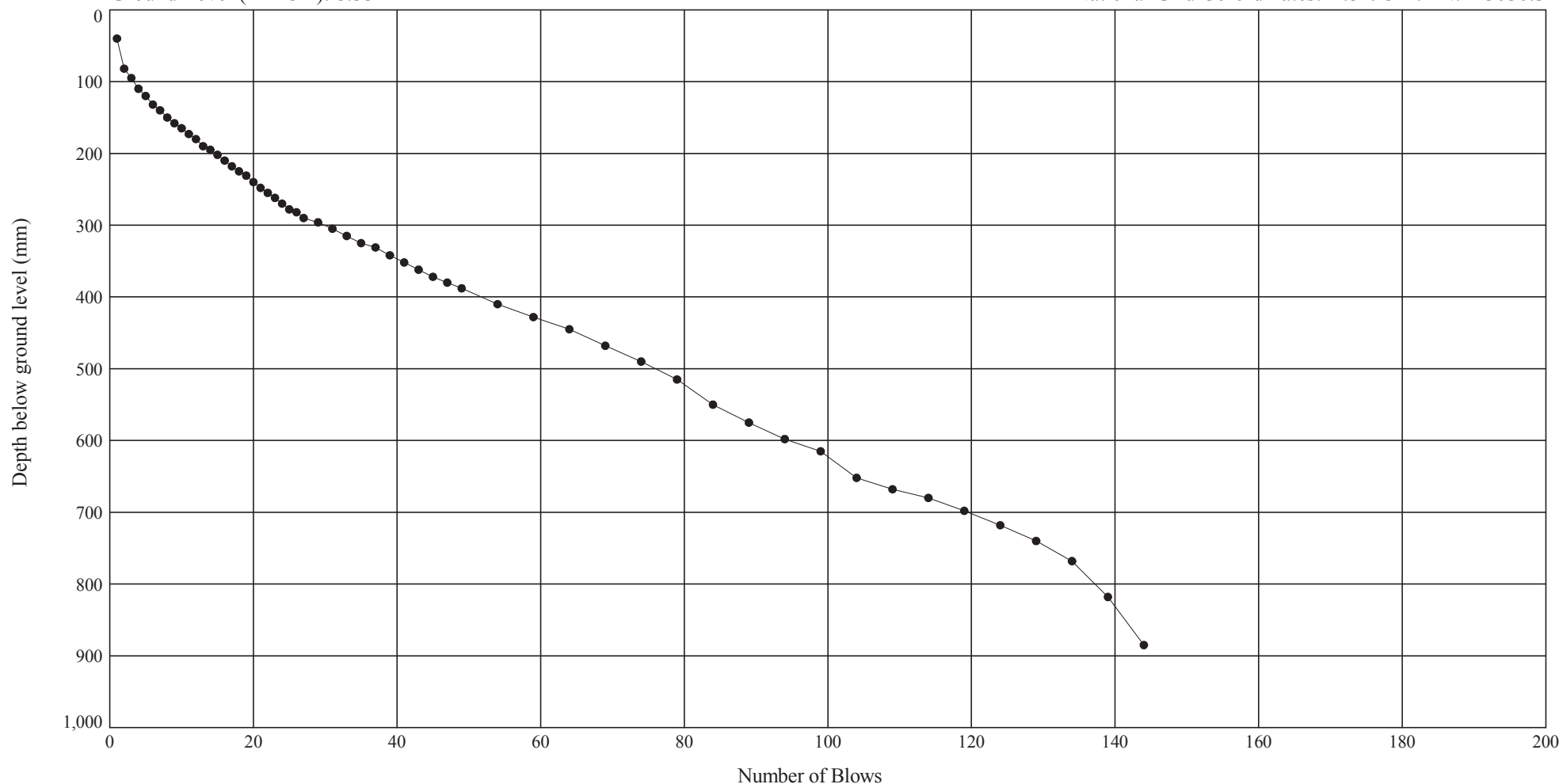
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR101**

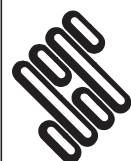
Test Date : **8.7.13**

Ground Level (m AOD): **8.55**

National Grid Co-ordinates: **E:349841.1 N:175656.5**



Notes: **Grass field. Location: Portbury.**



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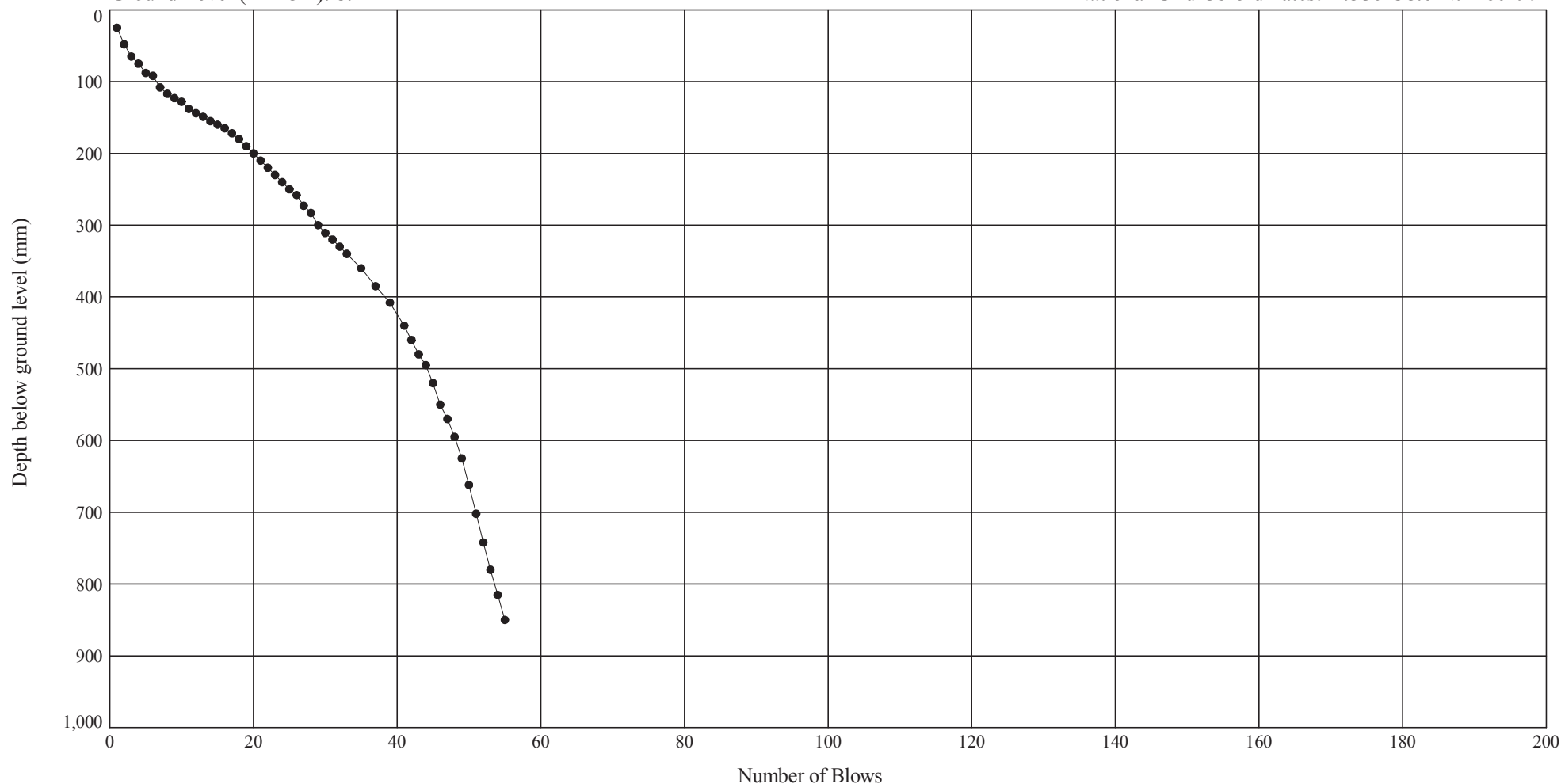
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR102**

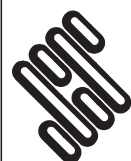
Test Date : **10.7.13**

Ground Level (m AOD): **8.41**

National Grid Co-ordinates: **E:350738.0 N:176029.2**



Notes: **Grass verge. Location: Portbury Dock.**



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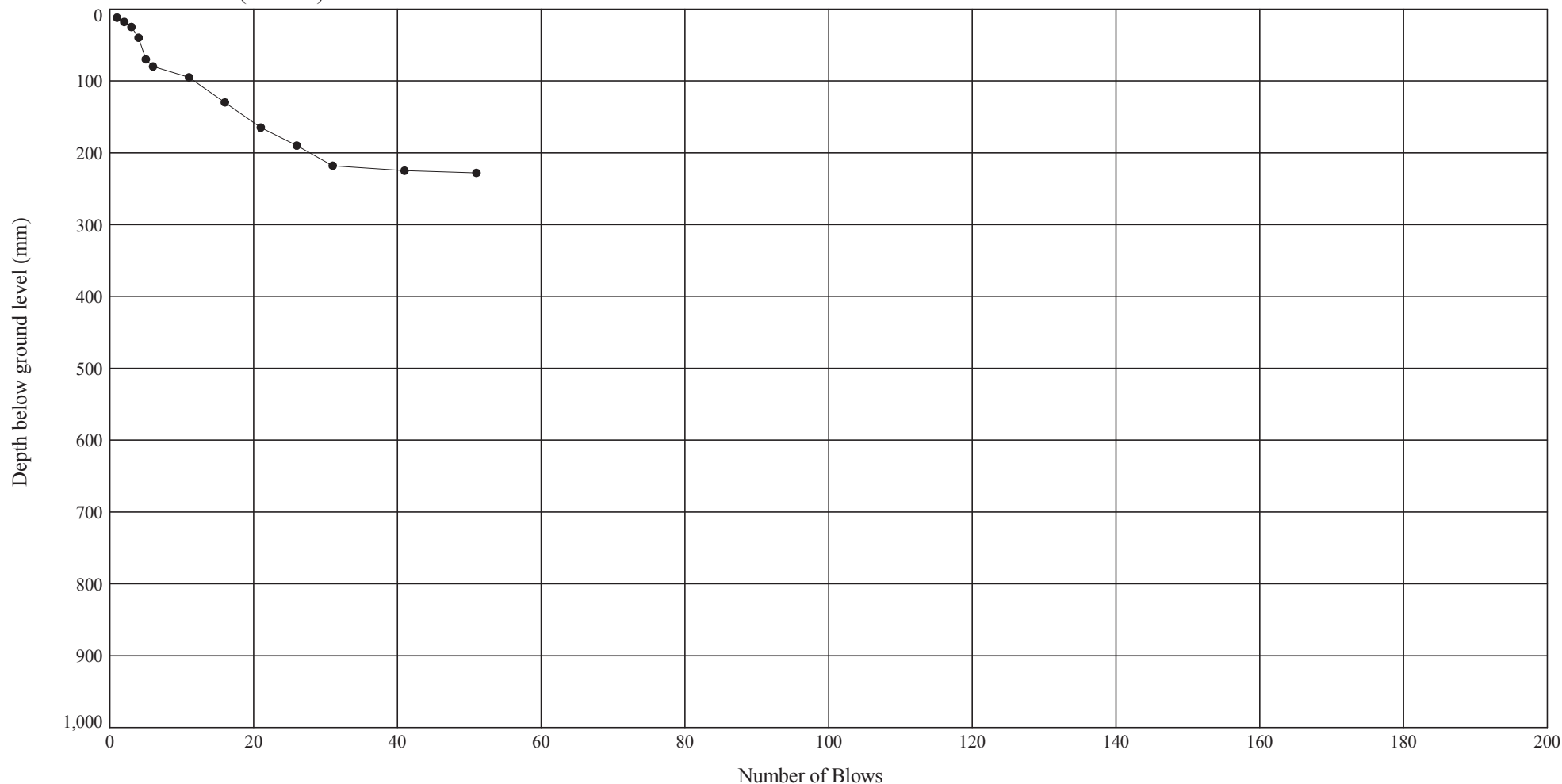
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR103**

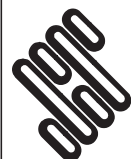
Test Date : **10.7.13**

Ground Level (m AOD): **8.44**

National Grid Co-ordinates: **E:351752.2 N:177374.5**



Notes: **Test beside tarmac road terminated at 368mm reading as slow penetration. Unable to relocate as CAT picking up services. Location: Avonmouth Dock.**



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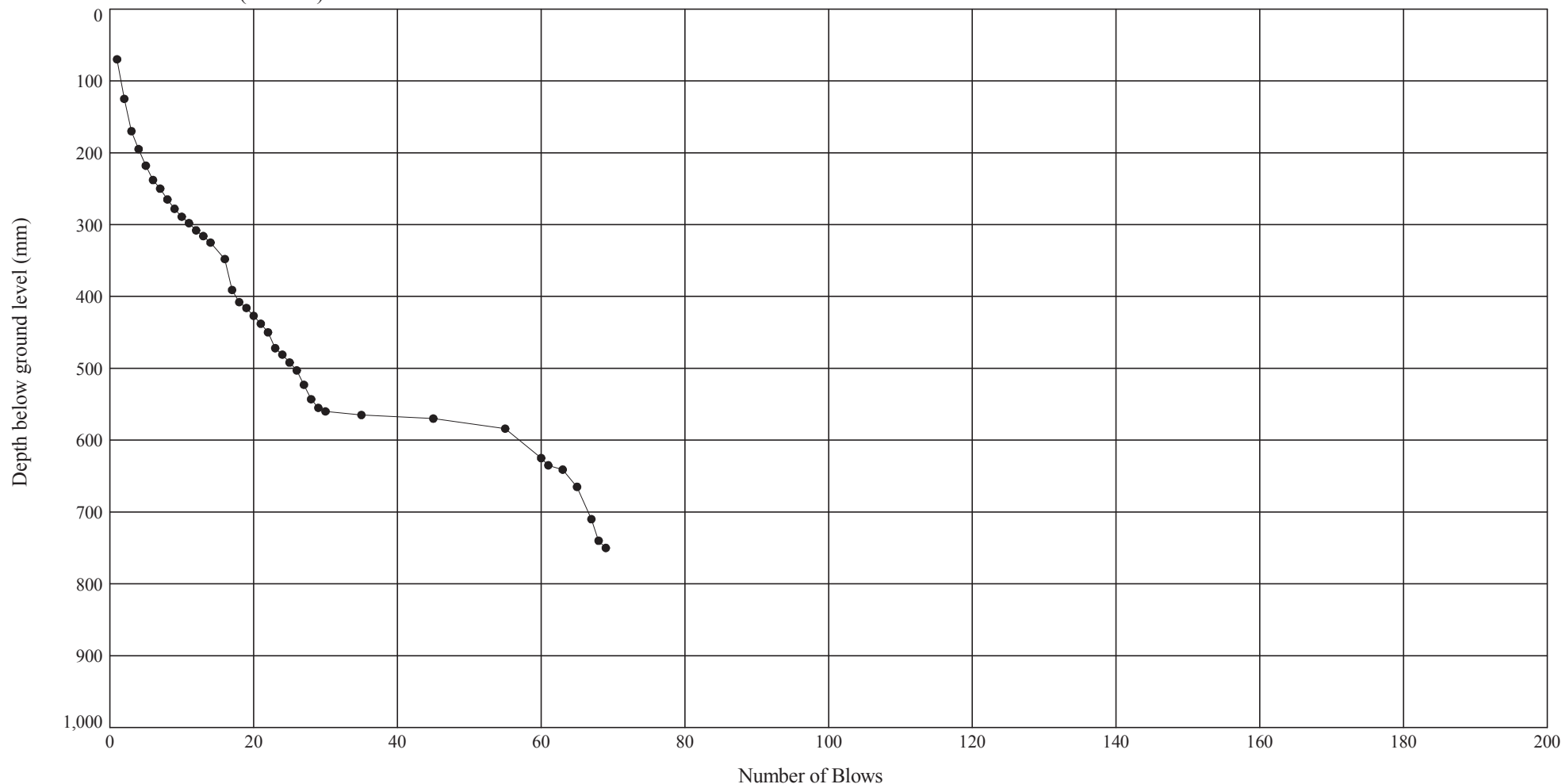
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR104**

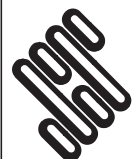
Test Date : **10.7.13**

Ground Level (m AOD): **9.41**

National Grid Co-ordinates: **E:351575.0 N:177874.0**



Notes: **Grass waste land. Location: Avonmouth Dock.**



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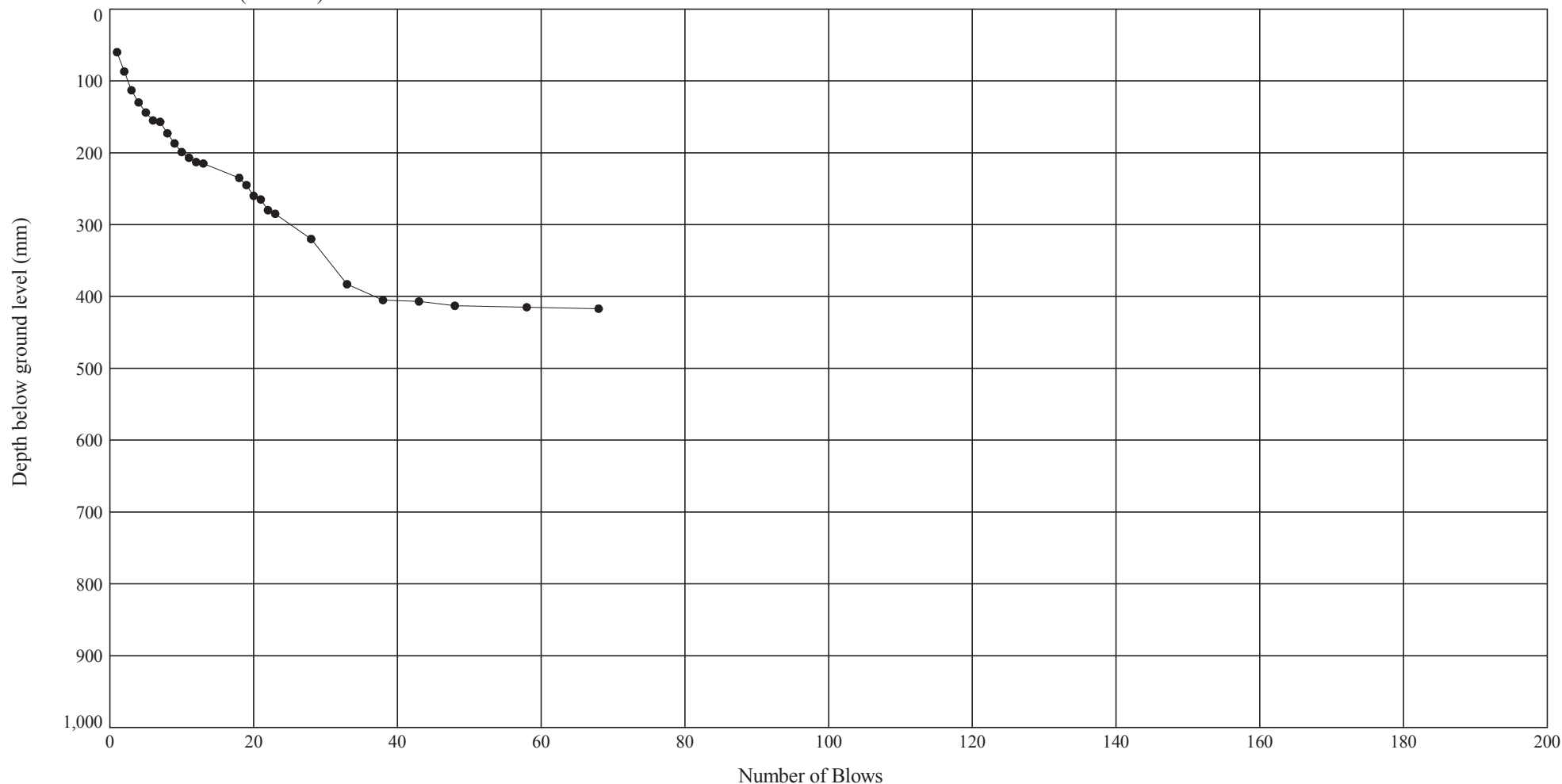
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR105**

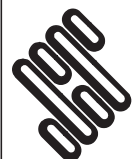
Test Date : **10.7.13**

Ground Level (m AOD): **8.94**

National Grid Co-ordinates: **E:351519.2 N:177934.4**



Notes: **Grass waste land low penetration rate may damage equipment test stopped at 542mm reading. Location: Avonmouth Dock.**



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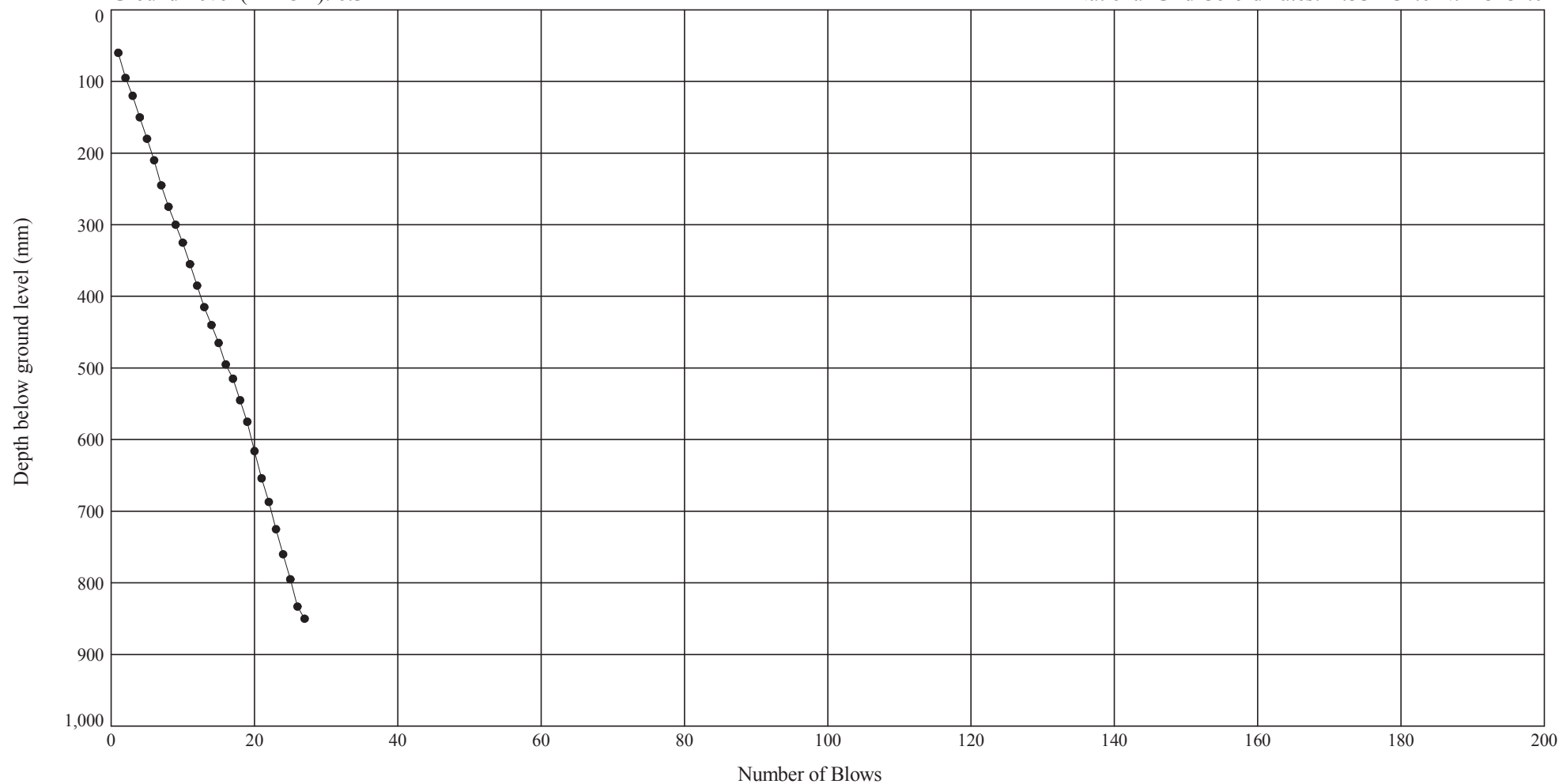
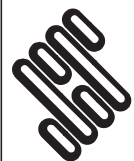
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DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR107**Test Date : **8.7.13**Ground Level (m AOD): **6.51**National Grid Co-ordinates: **E:352752.0 N:178482.0**Notes: **Grass field. Location: Avonmouth Dock.**

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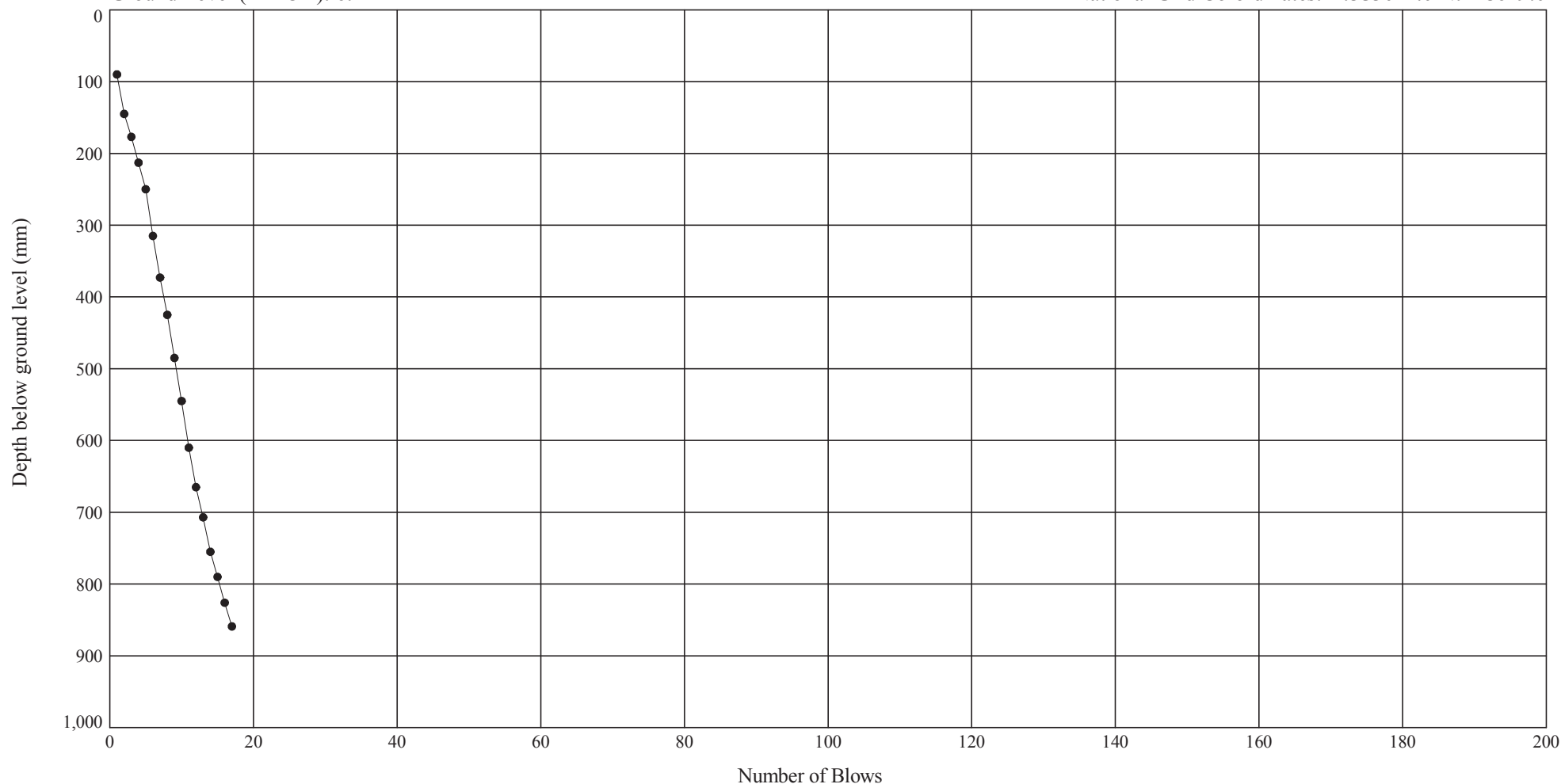
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR108**

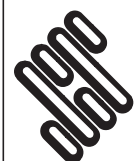
Test Date : **8.7.13**

Ground Level (m AOD): **6.17**

National Grid Co-ordinates: **E:353014.0 N:178619.0**



Notes: **Grass field. Location: Avonmouth Dock.**



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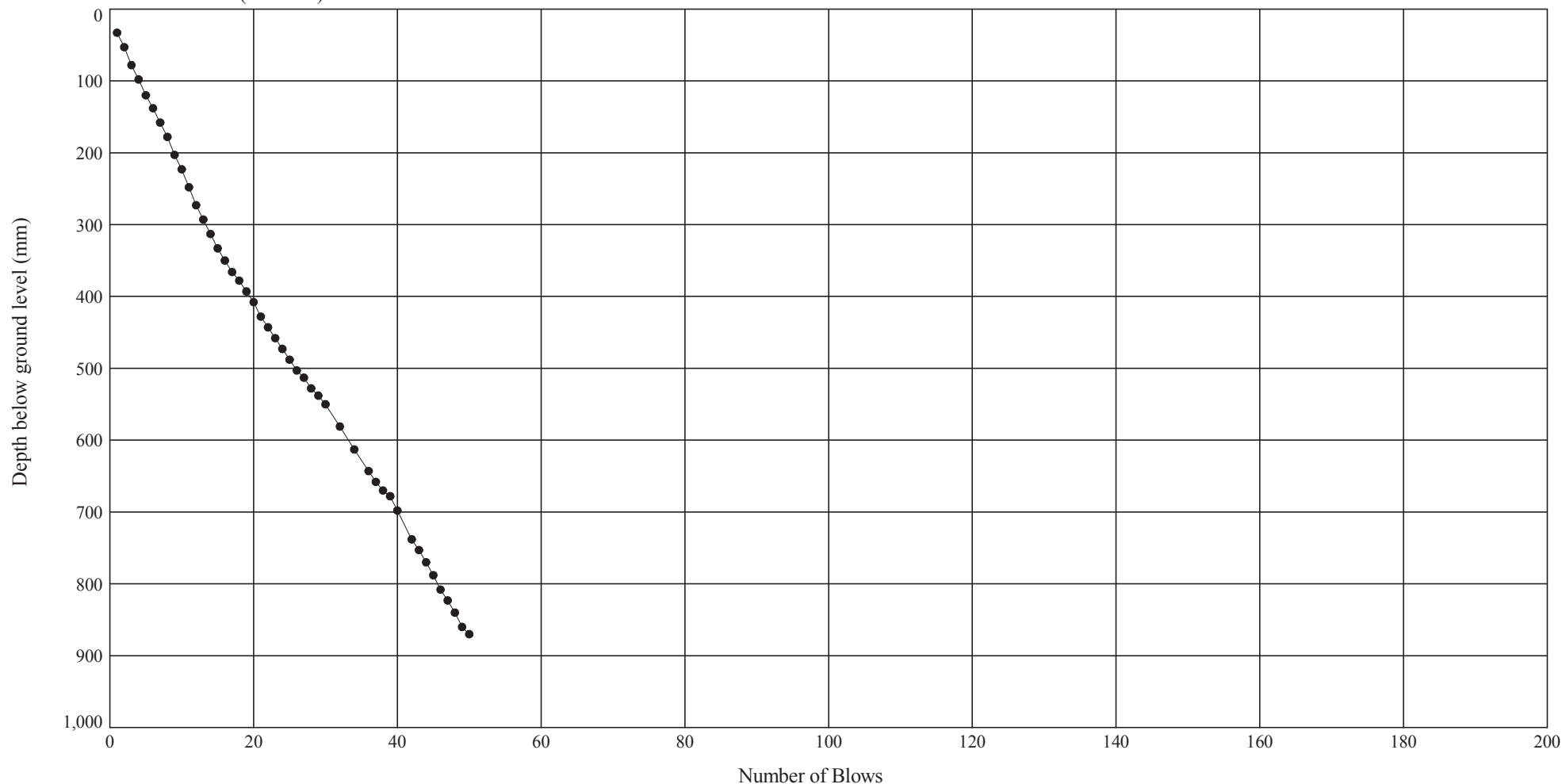
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR109**

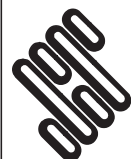
Test Date : **9.7.13**

Ground Level (m AOD): **5.89**

National Grid Co-ordinates: **E:353420.2 N:178800.8**



Notes: **Rough grass land. Location: Avonmouth.**



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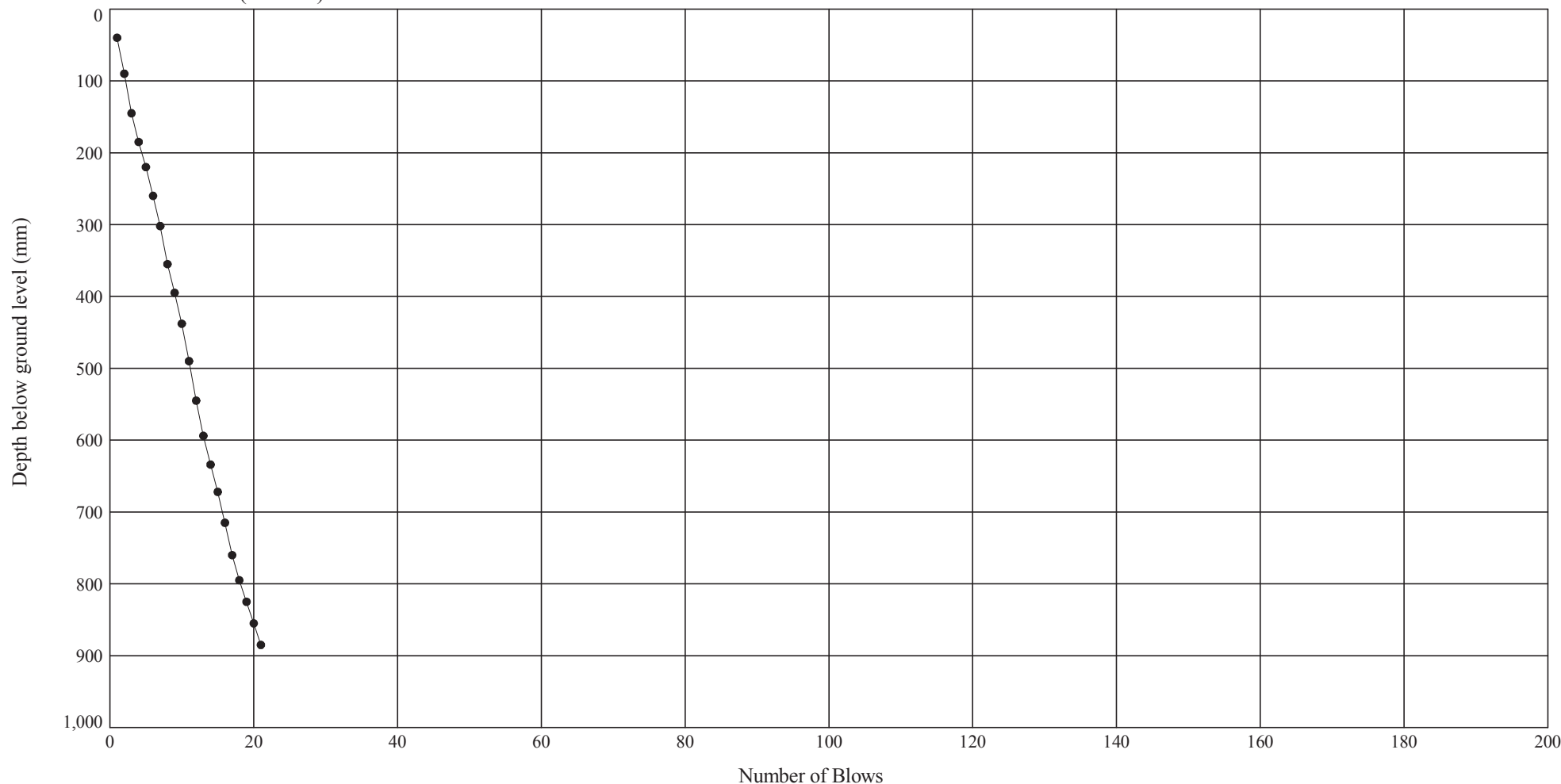
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR112**

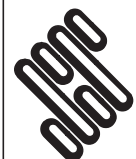
Test Date : **9.7.13**

Ground Level (m AOD): **6.10**

National Grid Co-ordinates: **E:353801.6 N:179199.4**



Notes: **Grass field. Location: Avonmouth.**



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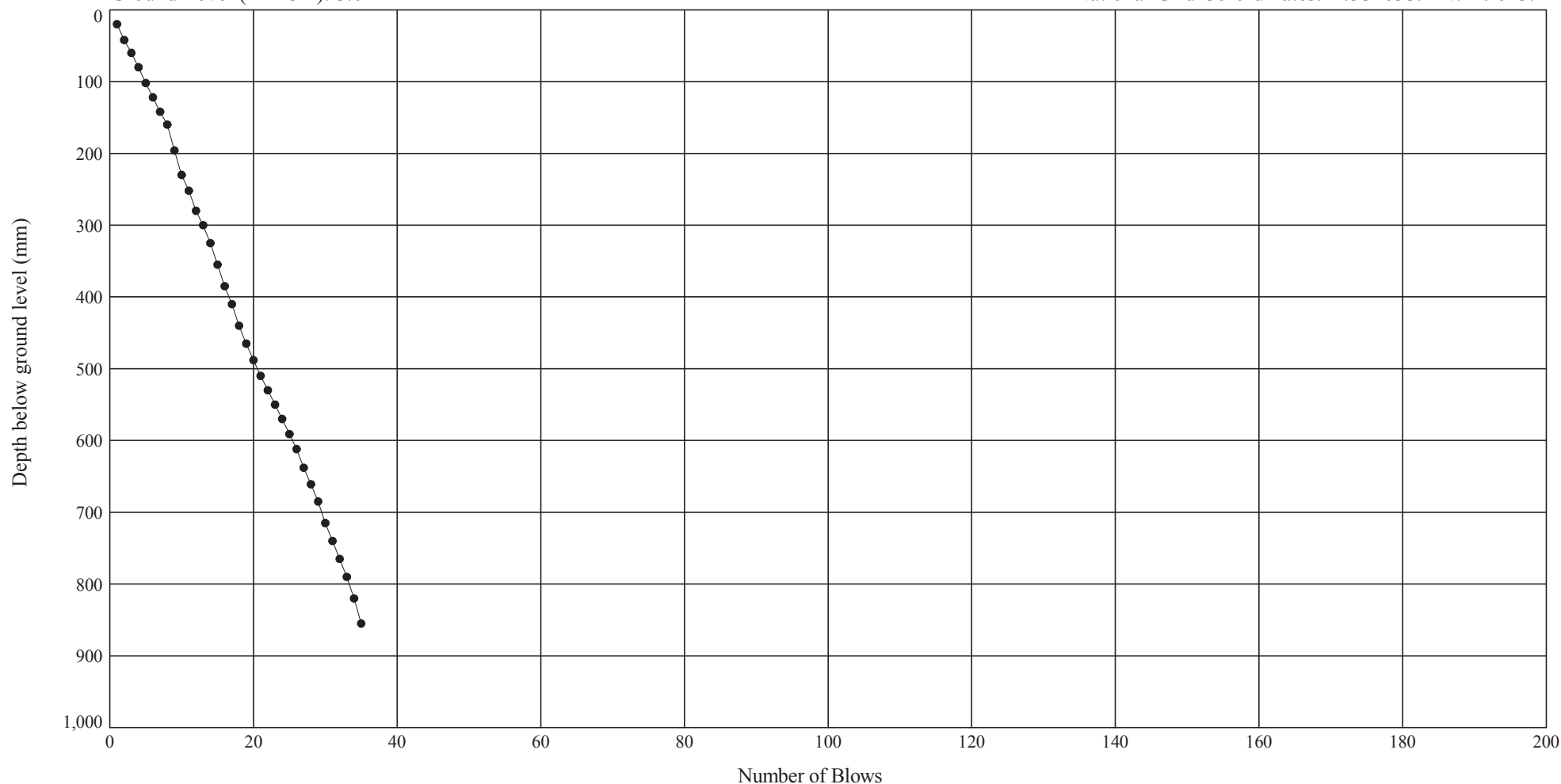
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR113**

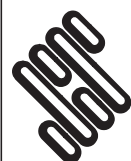
Test Date : **9.7.13**

Ground Level (m AOD): **5.02**

National Grid Co-ordinates: **E:354035.7 N:179613.4**



Notes: **Grass verge. Location: Avonmouth.**



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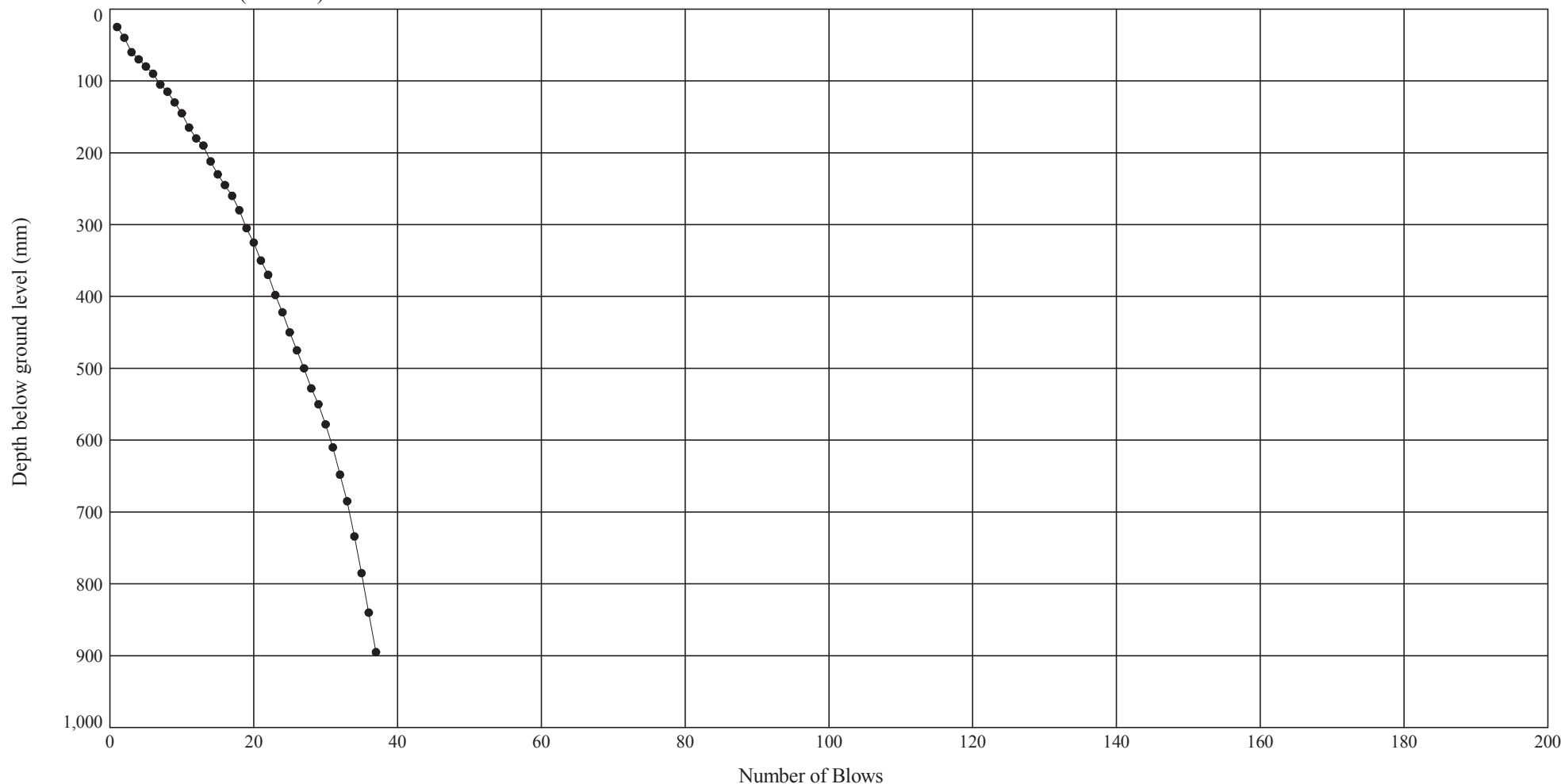
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR114**

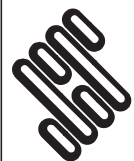
Test Date : **9.7.13**

Ground Level (m AOD): **6.13**

National Grid Co-ordinates: **E:354013.5 N:180066.8**



Notes: **Grass field. Location: Avonmouth.**



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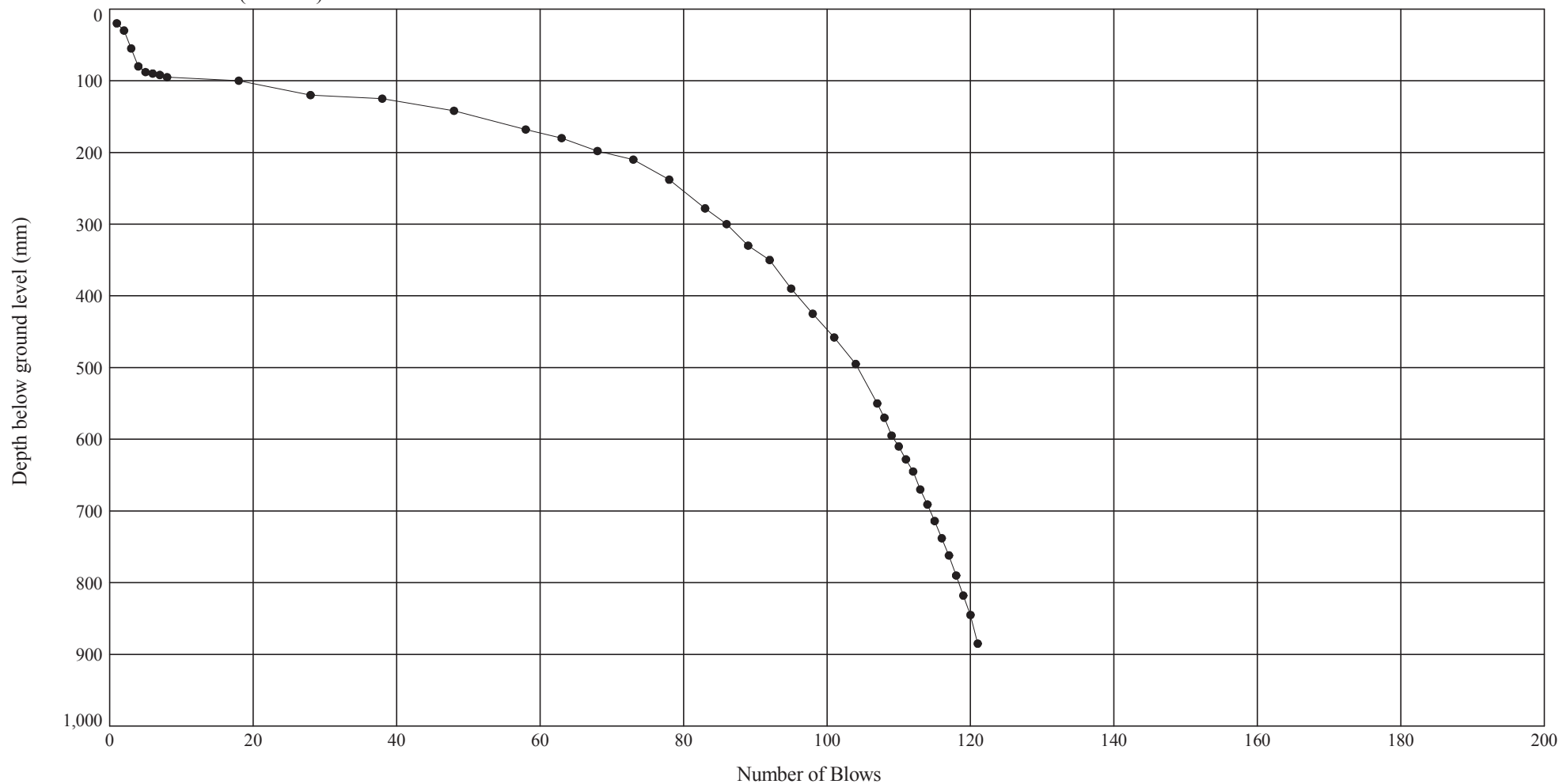
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR115**

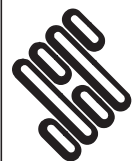
Test Date : **9.7.13**

Ground Level (m AOD): **7.14**

National Grid Co-ordinates: **E:353853.2 N:180061.2**



Notes: **Grass bank with plastic mesh (multicell) surface. Location: Avonmouth.**



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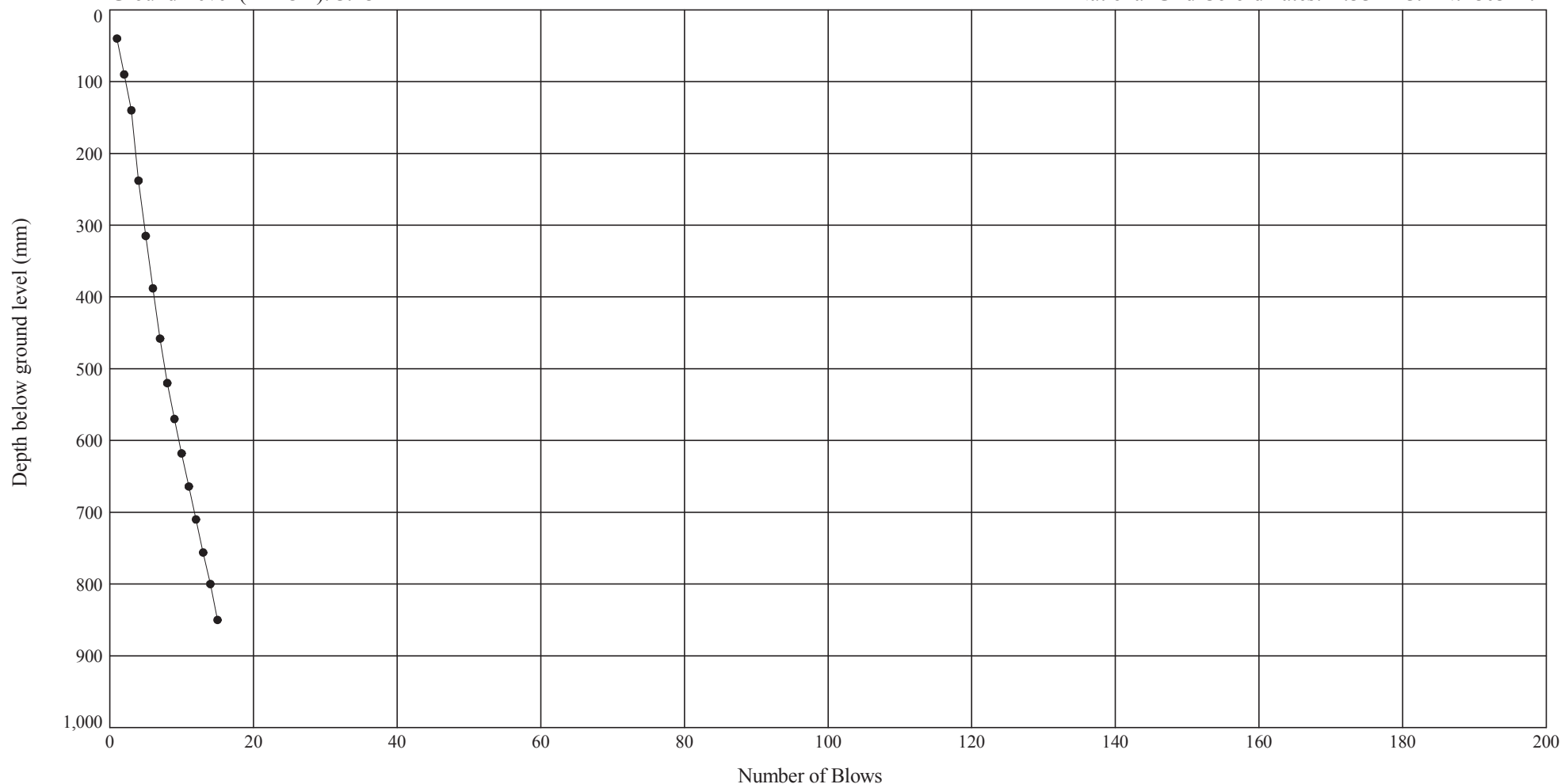
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR116**

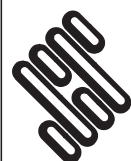
Test Date : **9.7.13**

Ground Level (m AOD): **5.78**

National Grid Co-ordinates: **E:354215.7 N:180341.4**



Notes: **Grass field. Location: Hallen.**



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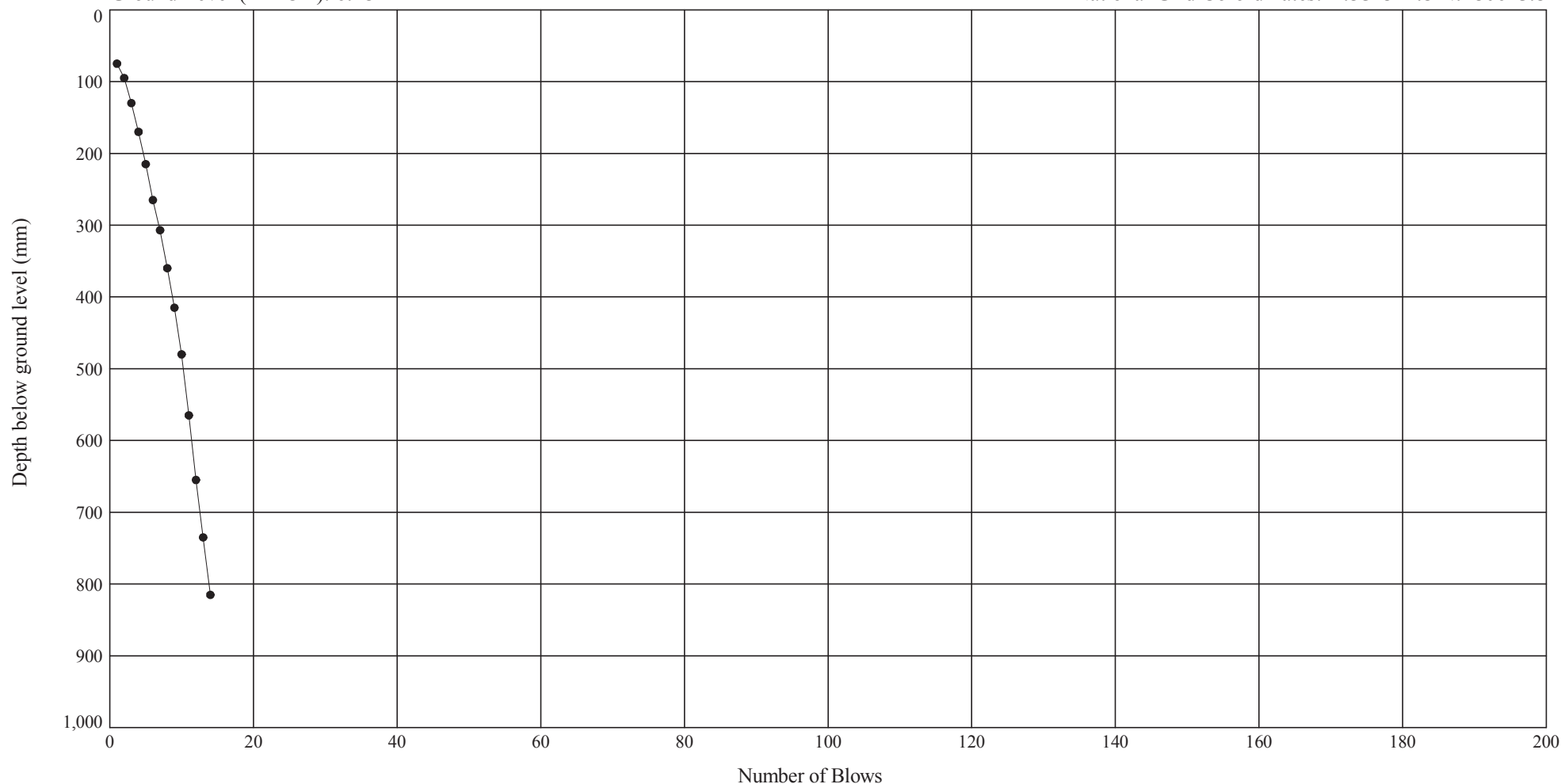
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR117**

Test Date : **9.7.13**

Ground Level (m AOD): **6.28**

National Grid Co-ordinates: **E:354342.8 N:180645.8**



Notes: **Grass field. Location: Hallen.**



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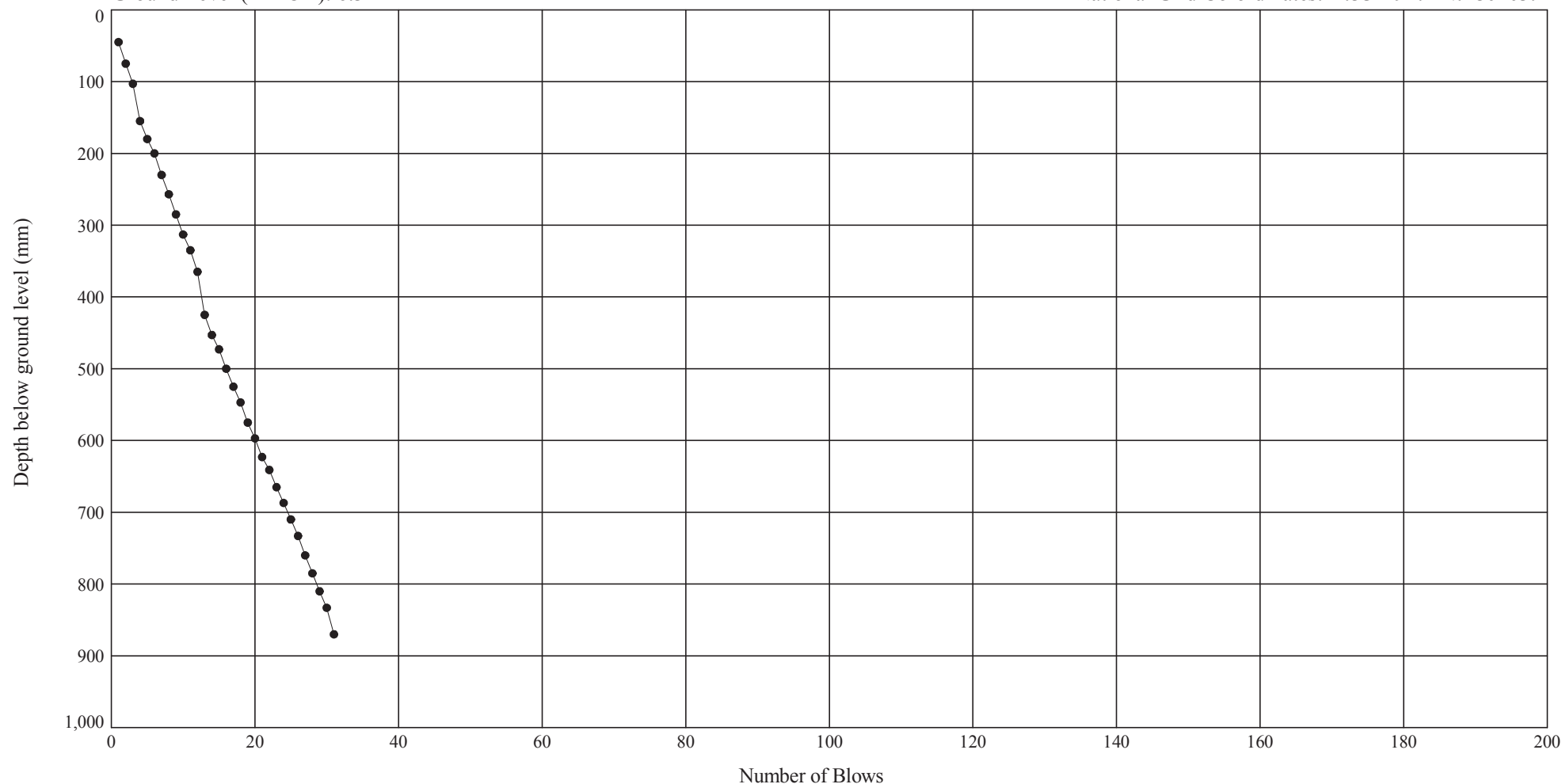
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR118**

Test Date : **9.7.13**

Ground Level (m AOD): **6.37**

National Grid Co-ordinates: **E:354292.1 N:180703.2**



Notes: **Grass field. Location: Hallen.**



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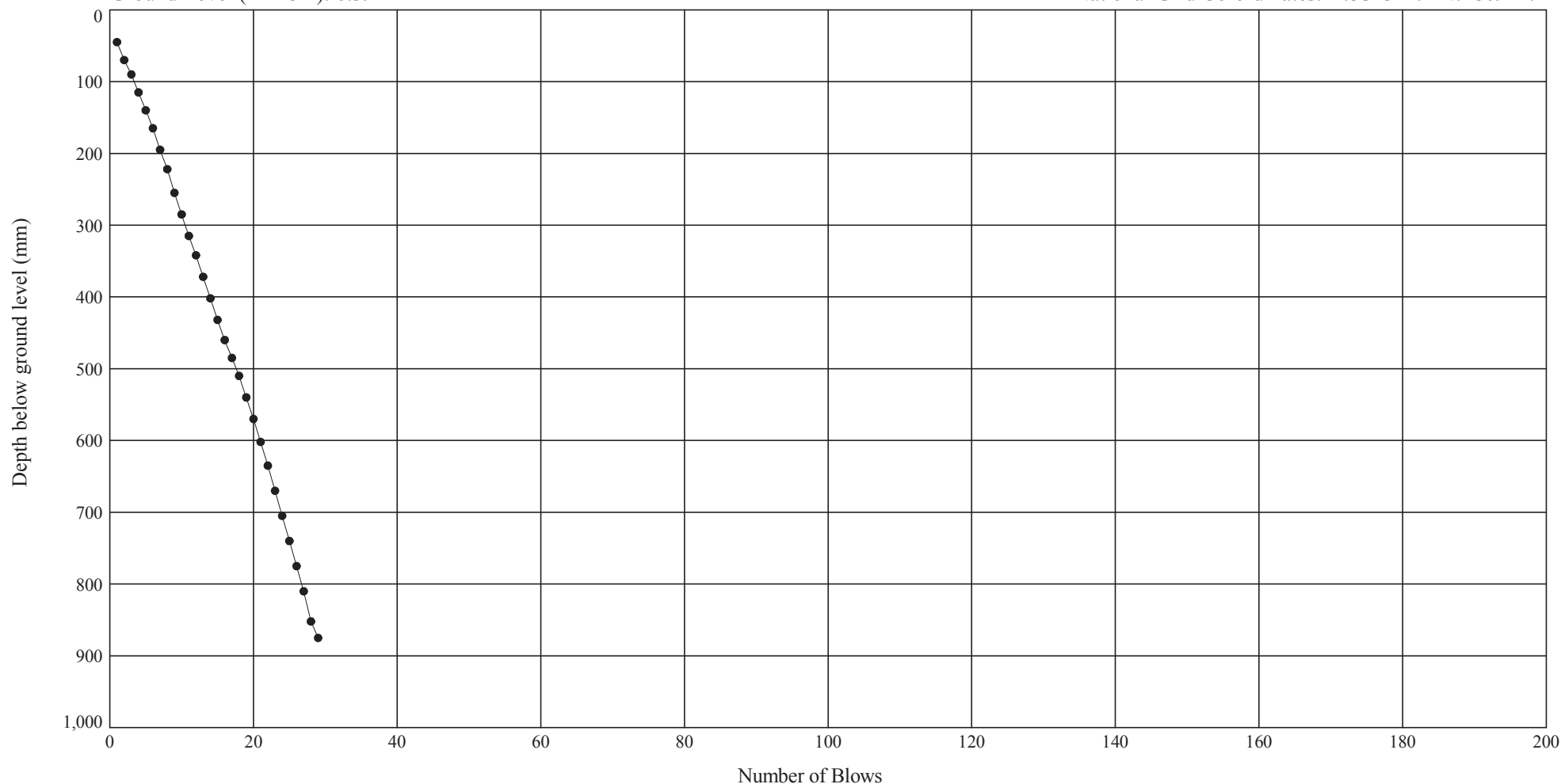
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-CBR119**

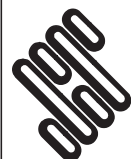
Test Date : **9.7.13**

Ground Level (m AOD): **6.39**

National Grid Co-ordinates: **E:354344.4 N:180971.4**



Notes: **Grass field. Location: Hallen.**



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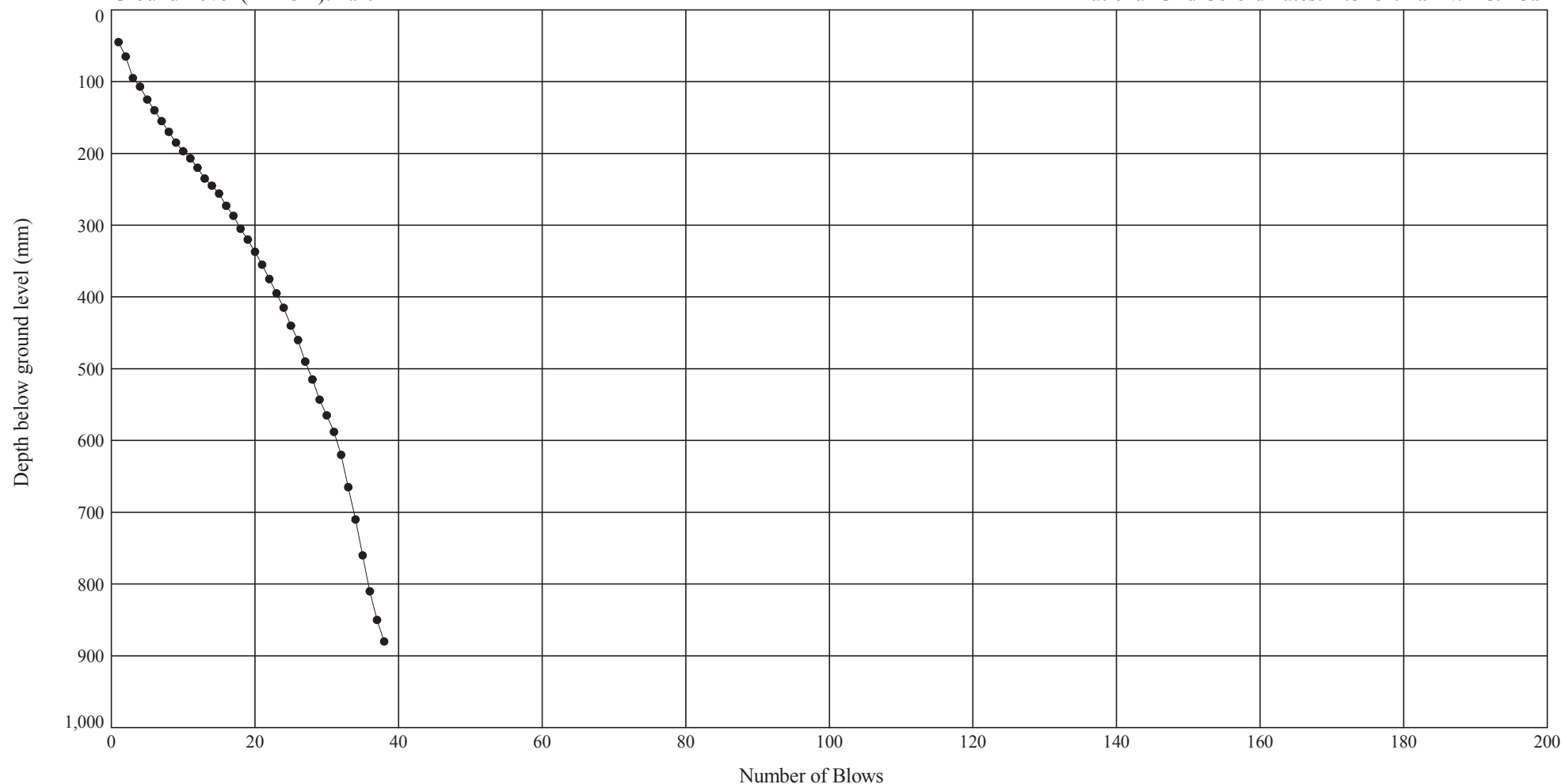
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-PD-CBR3**

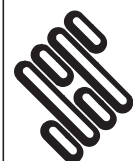
Test Date : **8.7.13**

Ground Level (m AOD): **7.90**

National Grid Co-ordinates: **E:348497.9 N:175945.9**



Notes: **Grass field. Location: Portbury.**



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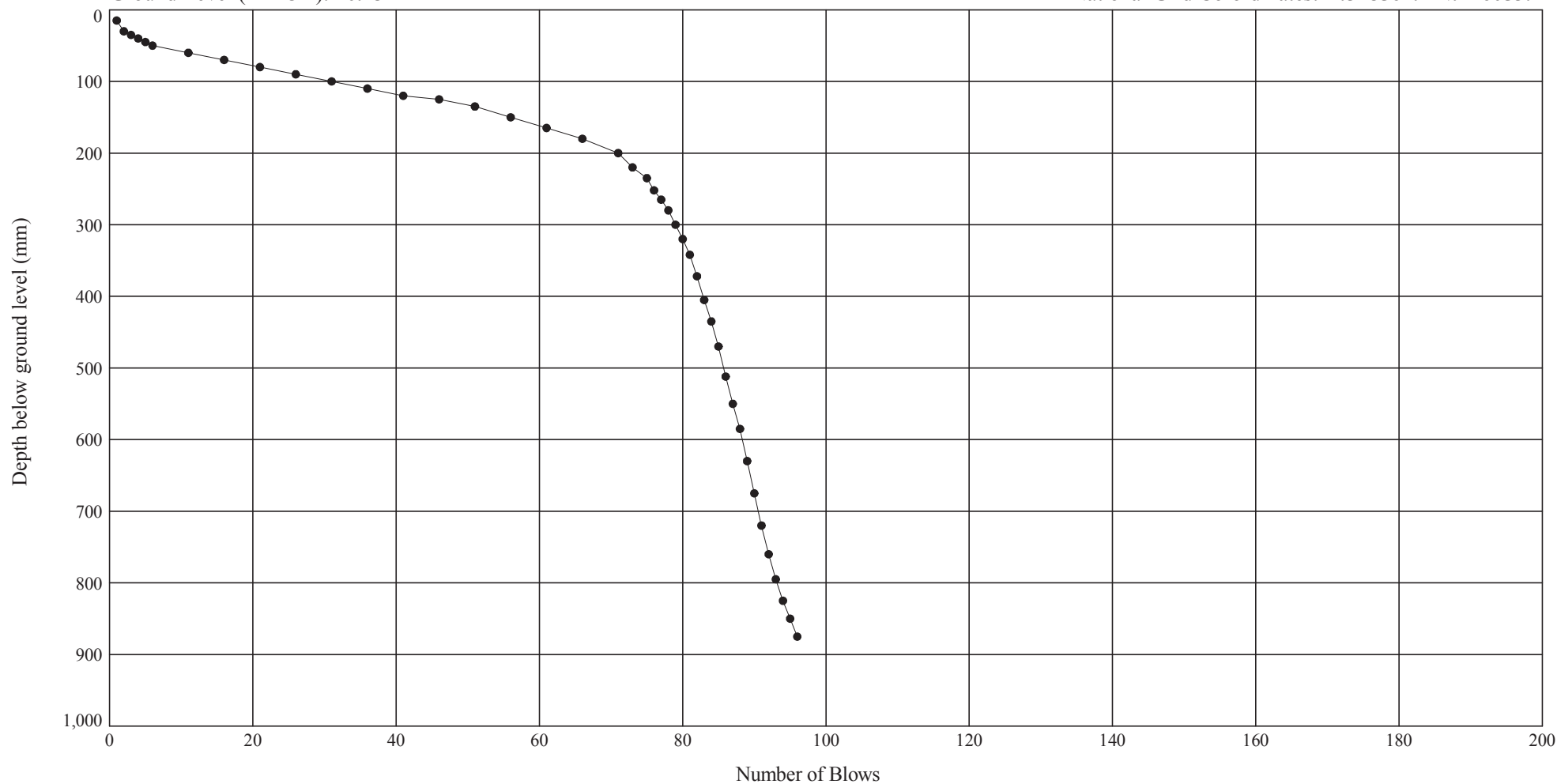
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DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **OH-PD-CBR4**Test Date : **8.7.13**Ground Level (m AOD): **10.23**National Grid Co-ordinates: **E:348562.2 N:176053.2**Notes: **Grass at side of stone track. Location: Portbury.**

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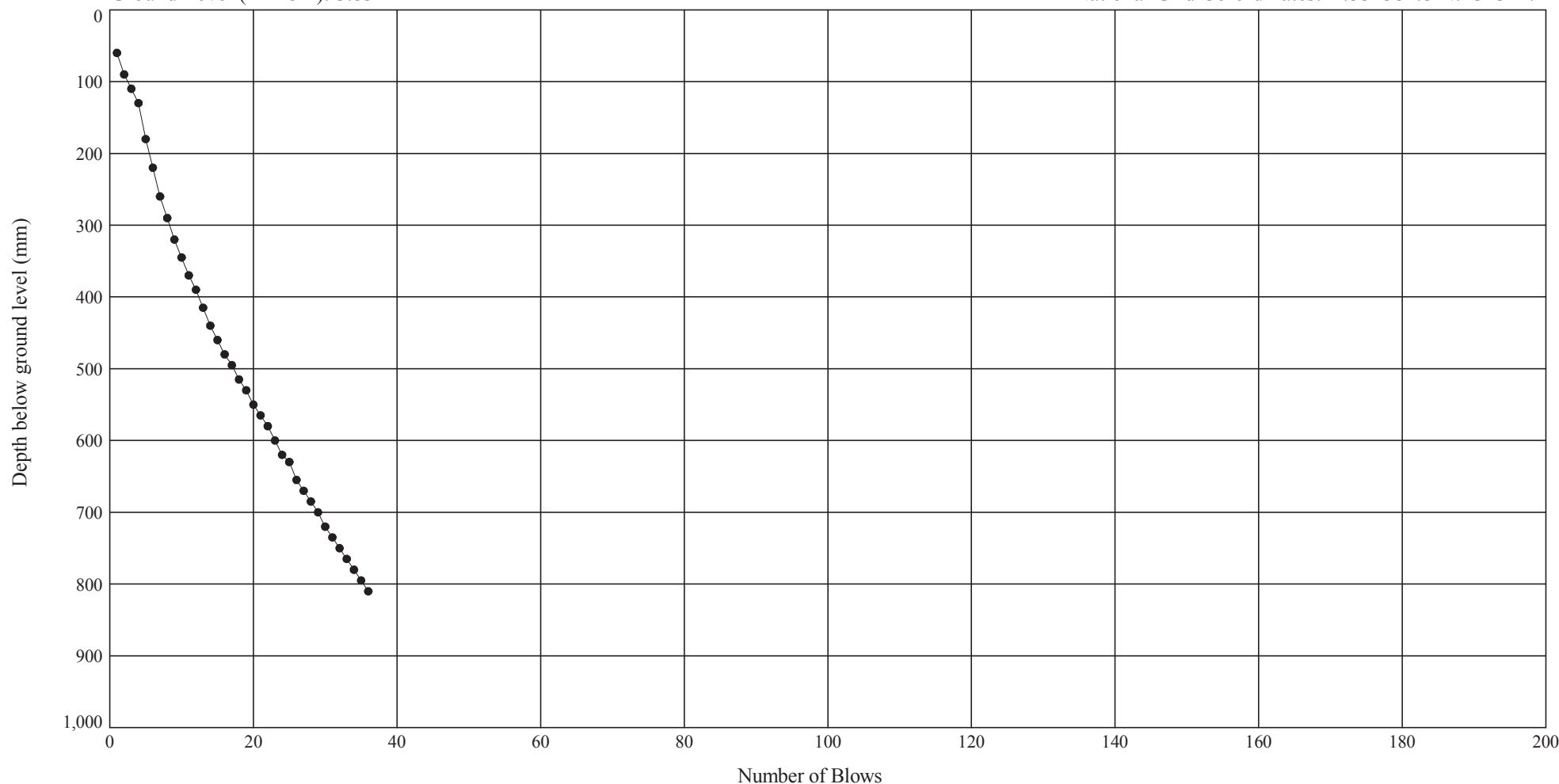
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **UG-CBR1**

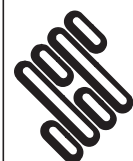
Test Date : **2.4.13**

Ground Level (m AOD): **5.83**

National Grid Co-ordinates: **E:337381.8 N:154514.2**



Notes: **Test conducted in pasture. Location: Biddisham.**



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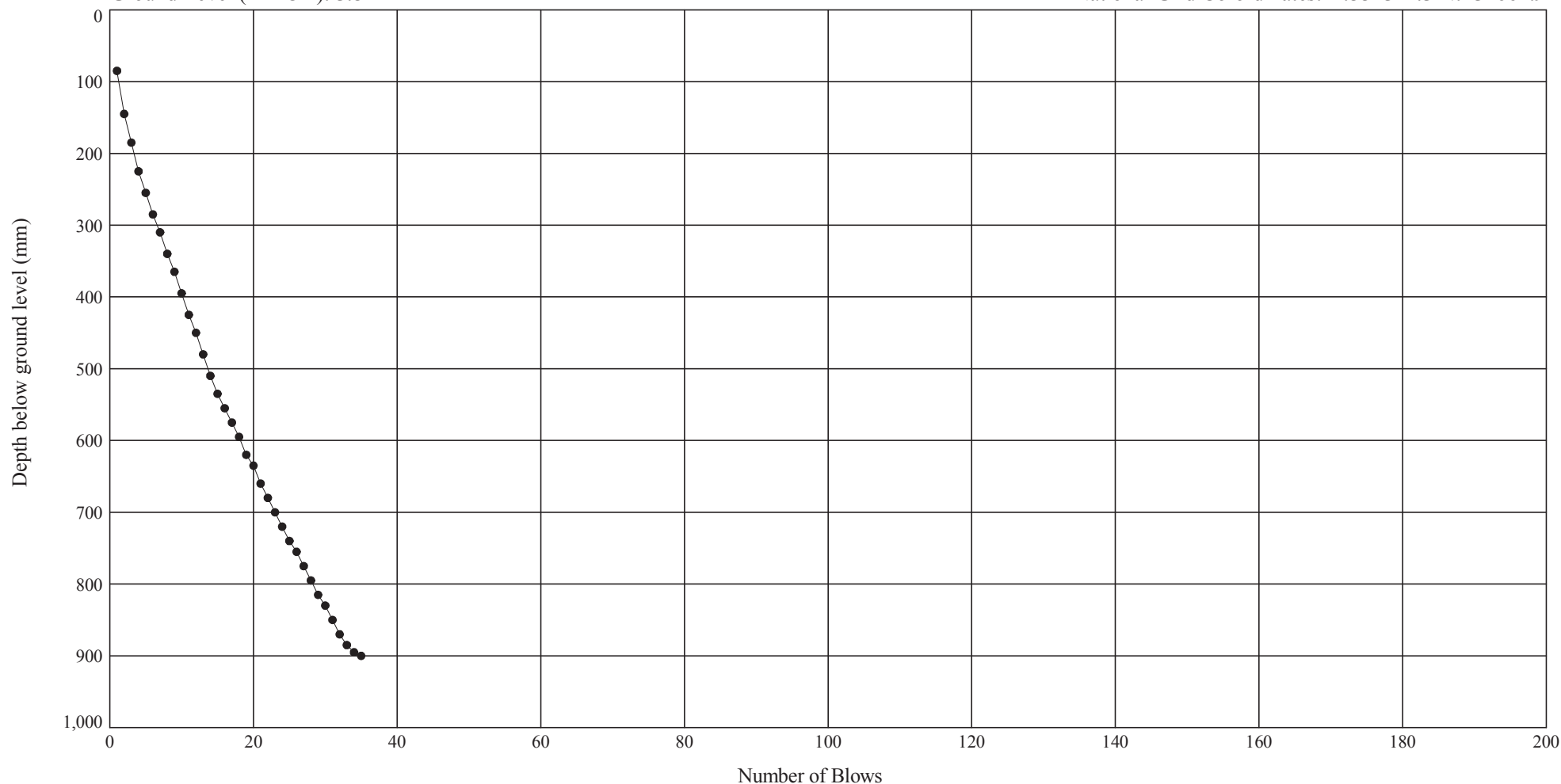
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **UG-CBR2**

Test Date : **2.4.13**

Ground Level (m AOD): **5.87**

National Grid Co-ordinates: **E:337527.5 N:154661.9**



Notes: **Location: Biddisham.**



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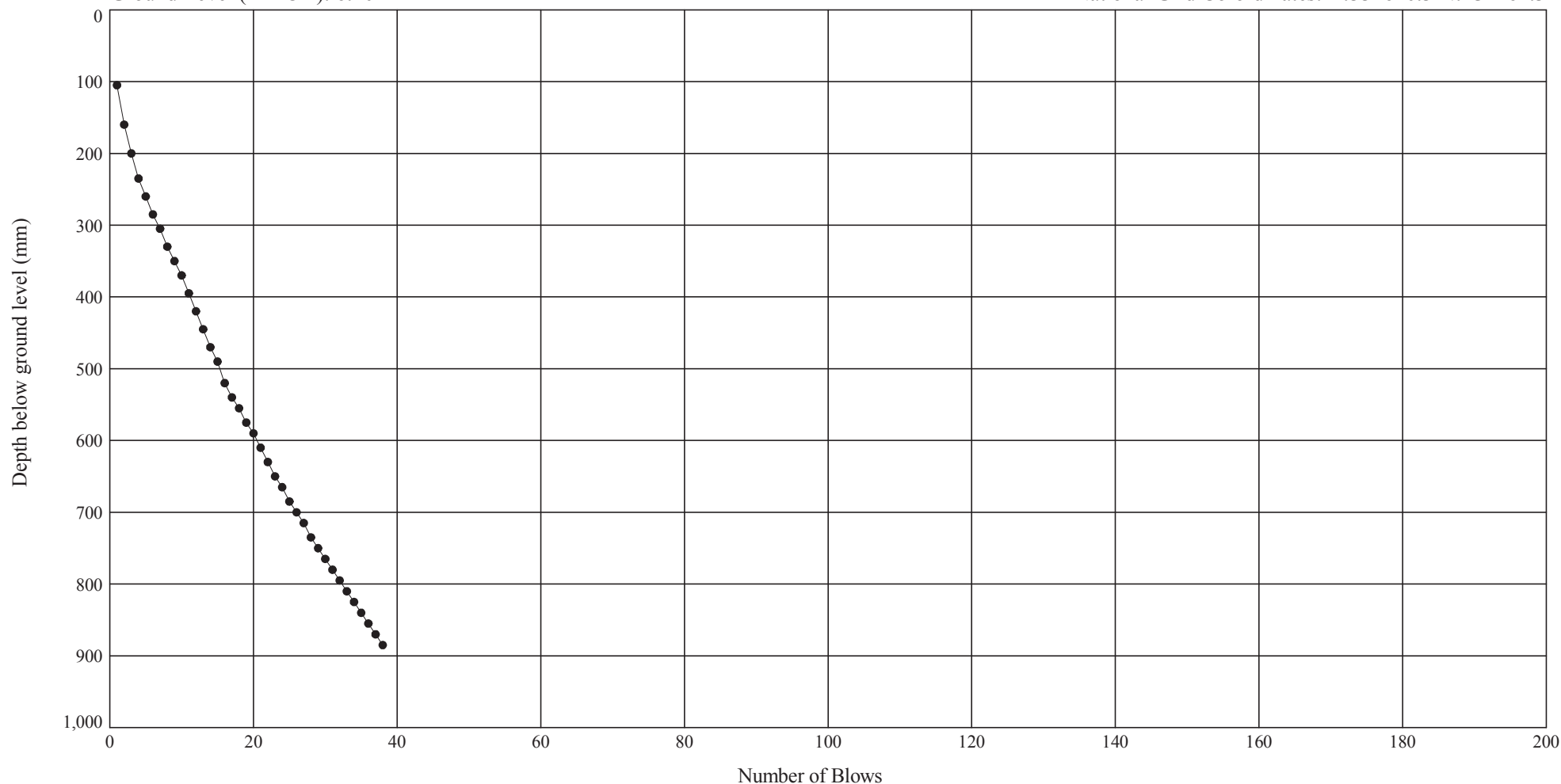
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **UG-CBR3**

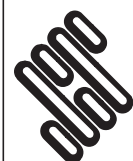
Test Date : **2.4.13**

Ground Level (m AOD): **6.10**

National Grid Co-ordinates: **E:337640.3 N:154764.3**



Notes: **Location: Biddisham.**



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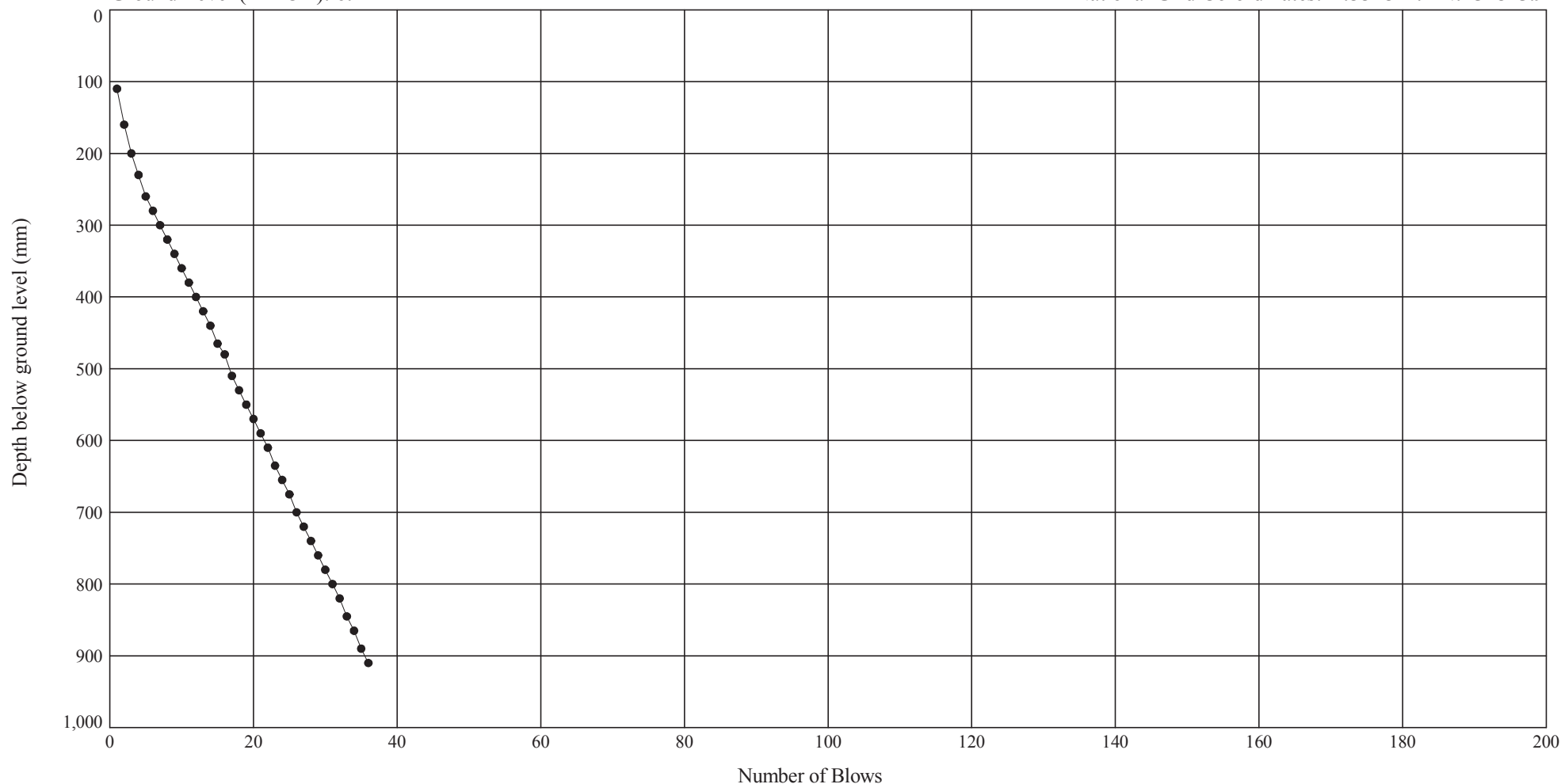
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **UG-CBR4**

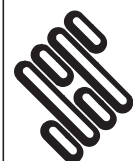
Test Date : **2.4.13**

Ground Level (m AOD): **6.42**

National Grid Co-ordinates: **E:337822.2 N:154845.9**



Notes: **Location: Biddisham.**



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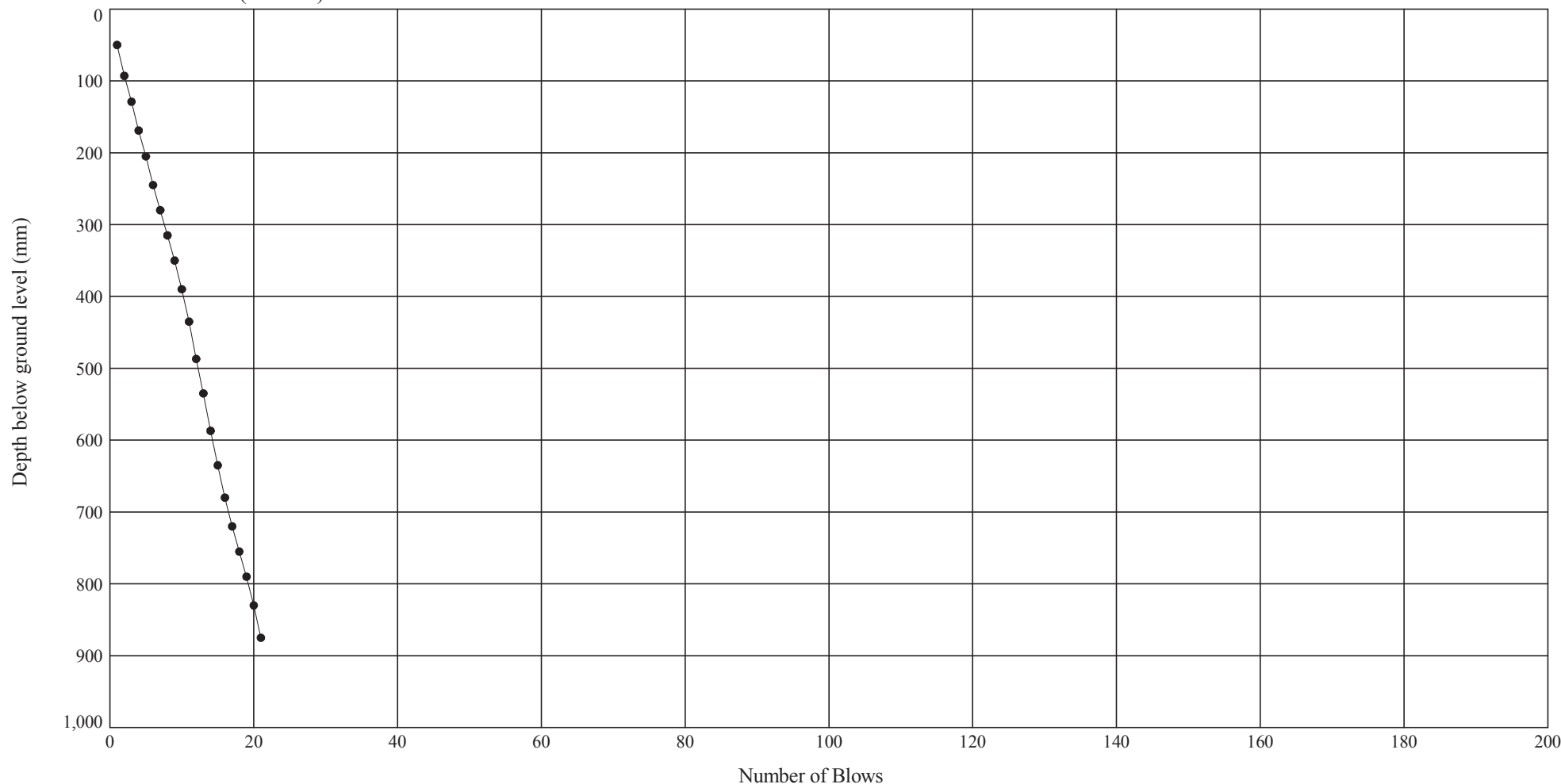
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **UG-CBR5**

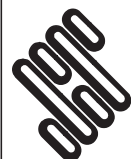
Test Date : **2.4.13**

Ground Level (m AOD): **7.38**

National Grid Co-ordinates: **E:337901.3 N:154912.0**



Notes: **Location: Webbington.**



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Contract	<div>Hinkley to Seabank 400kV Connection</div>				

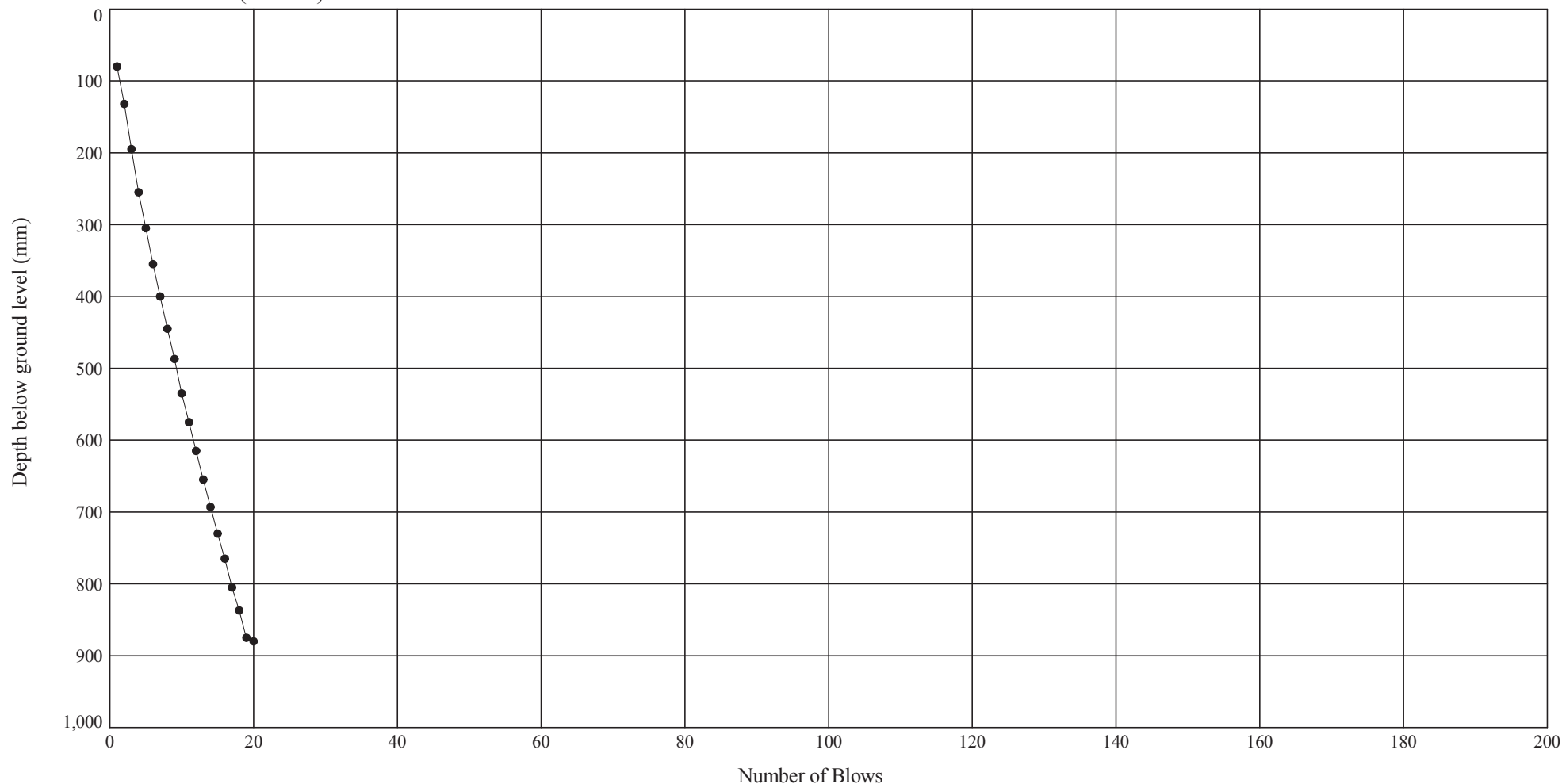
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **UG-CBR6**

Test Date : **2.4.13**

Ground Level (m AOD): **6.47**

National Grid Co-ordinates: **E:338074.7 N:155093.3**



Notes: **Location: Webbington.**



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Contract	<div>Hinkley to Seabank 400kV Connection</div>				

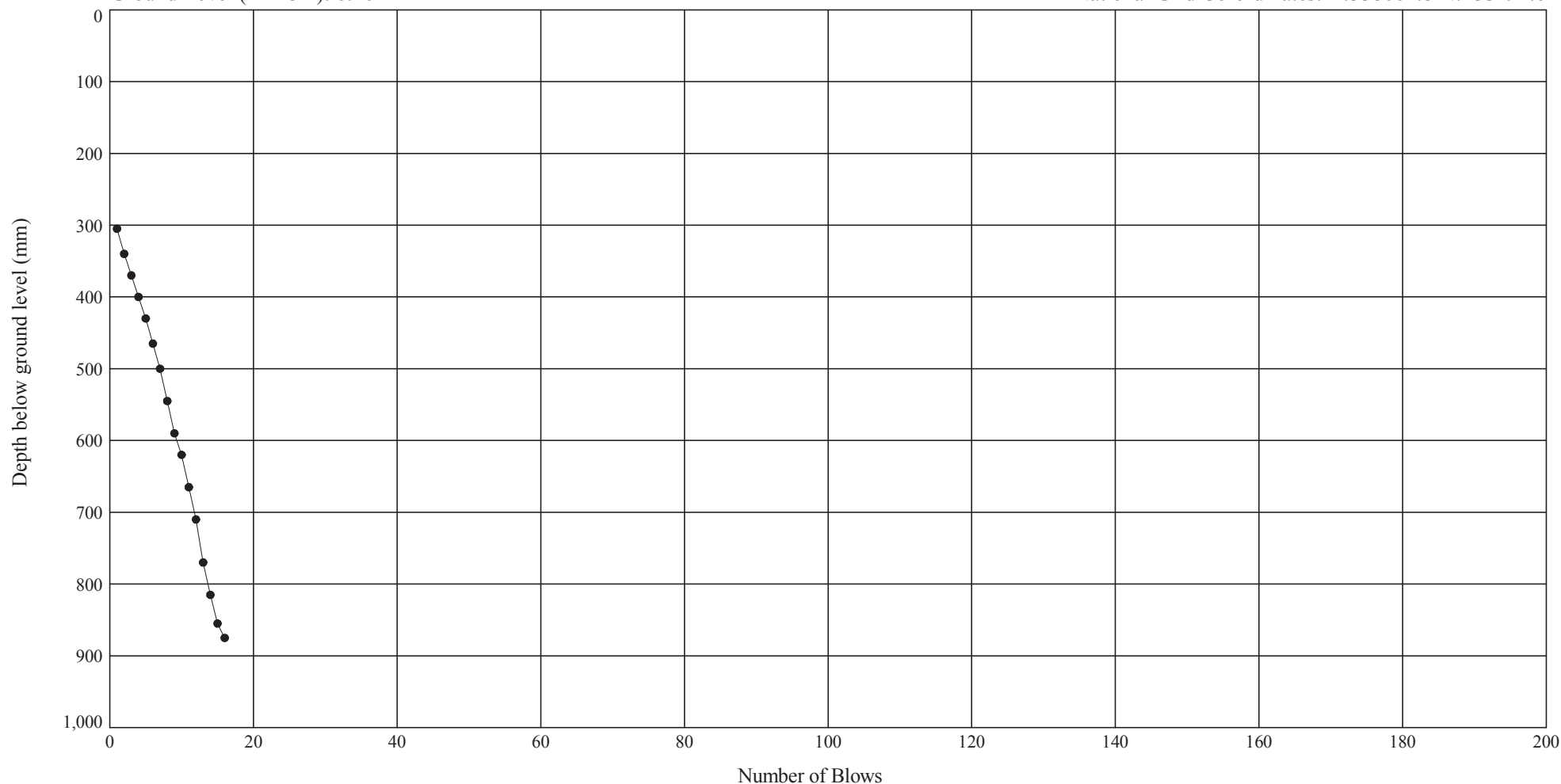
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **UG-CBR7**

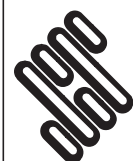
Test Date : **2.4.13**

Ground Level (m AOD): **6.76**

National Grid Co-ordinates: **E:338067.8 N:155292.6**



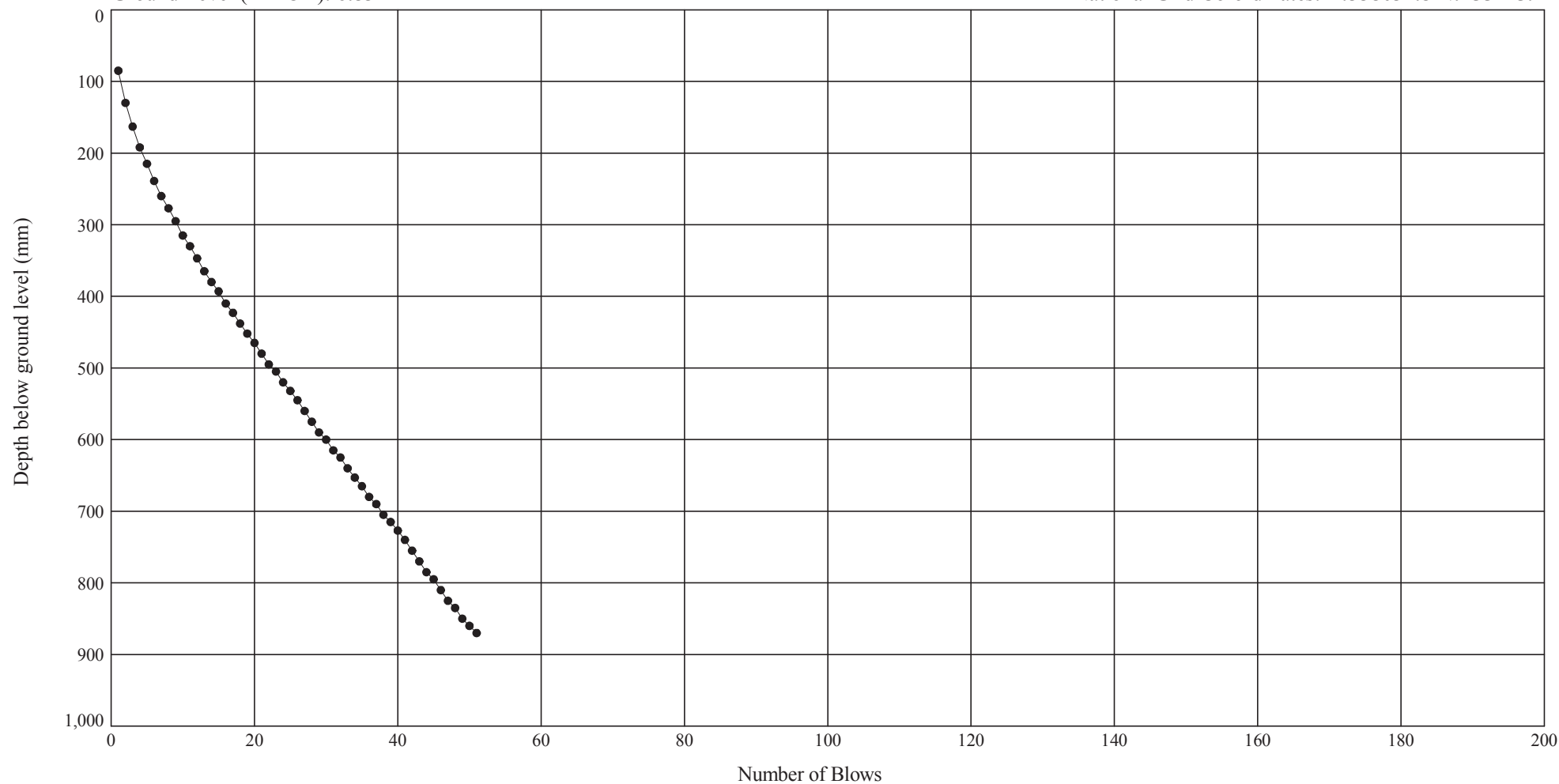
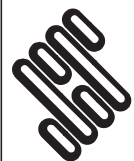
Notes: **Test in ploughed field. Location: Webbington.**



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DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **UG-CBR8**Test Date : **2.4.13**Ground Level (m AOD): **6.83**National Grid Co-ordinates: **E:338034.8 N:155475.4**Notes: **Test position in pasture land. Location: Webbington.**

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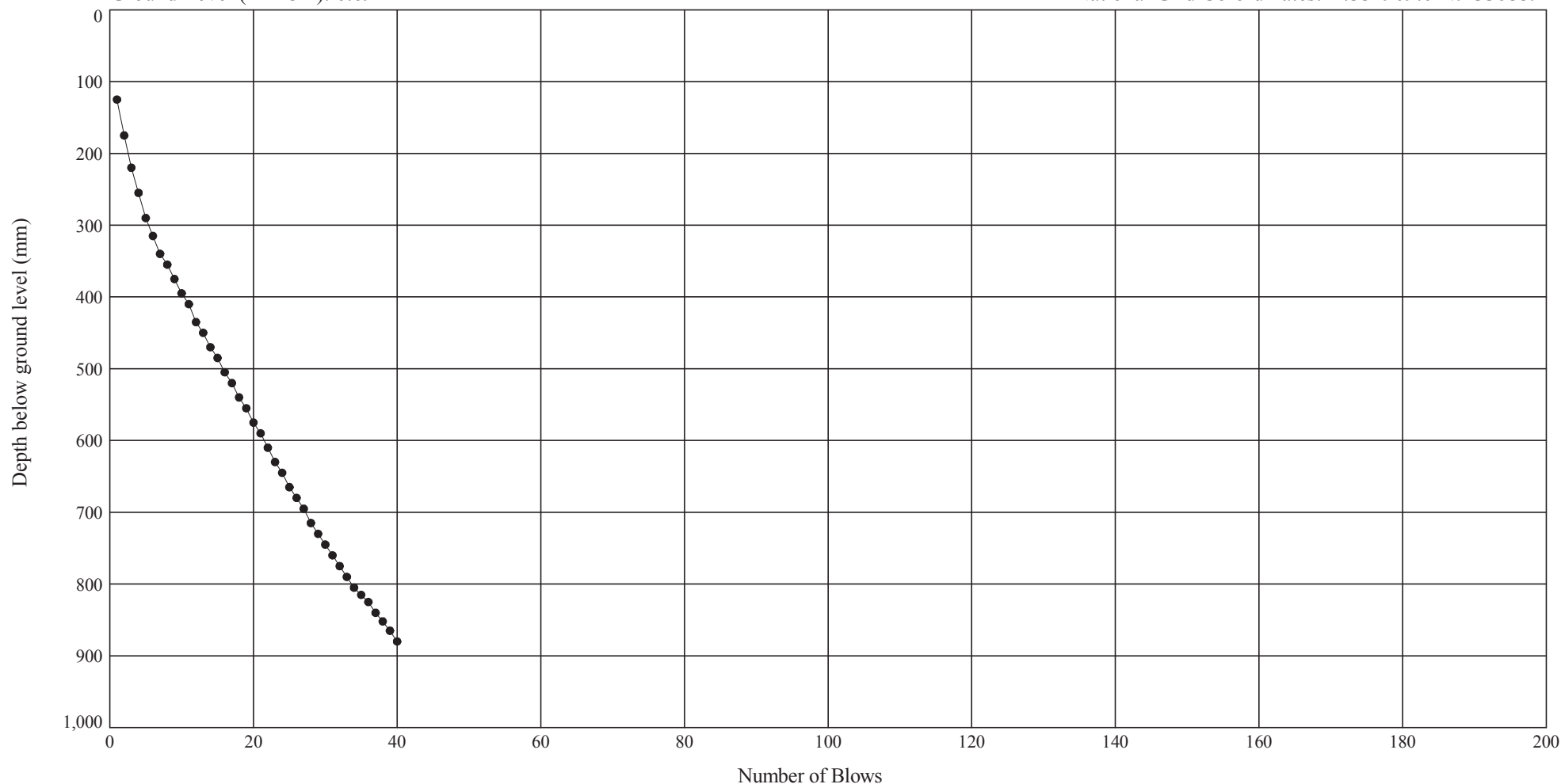
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **UG-CBR9**

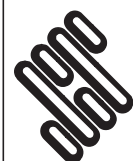
Test Date : **2.4.13**

Ground Level (m AOD): **6.69**

National Grid Co-ordinates: **E:337909.0 N:155688.1**



Notes: **Test conducted in pasture land. Location: Webbington.**



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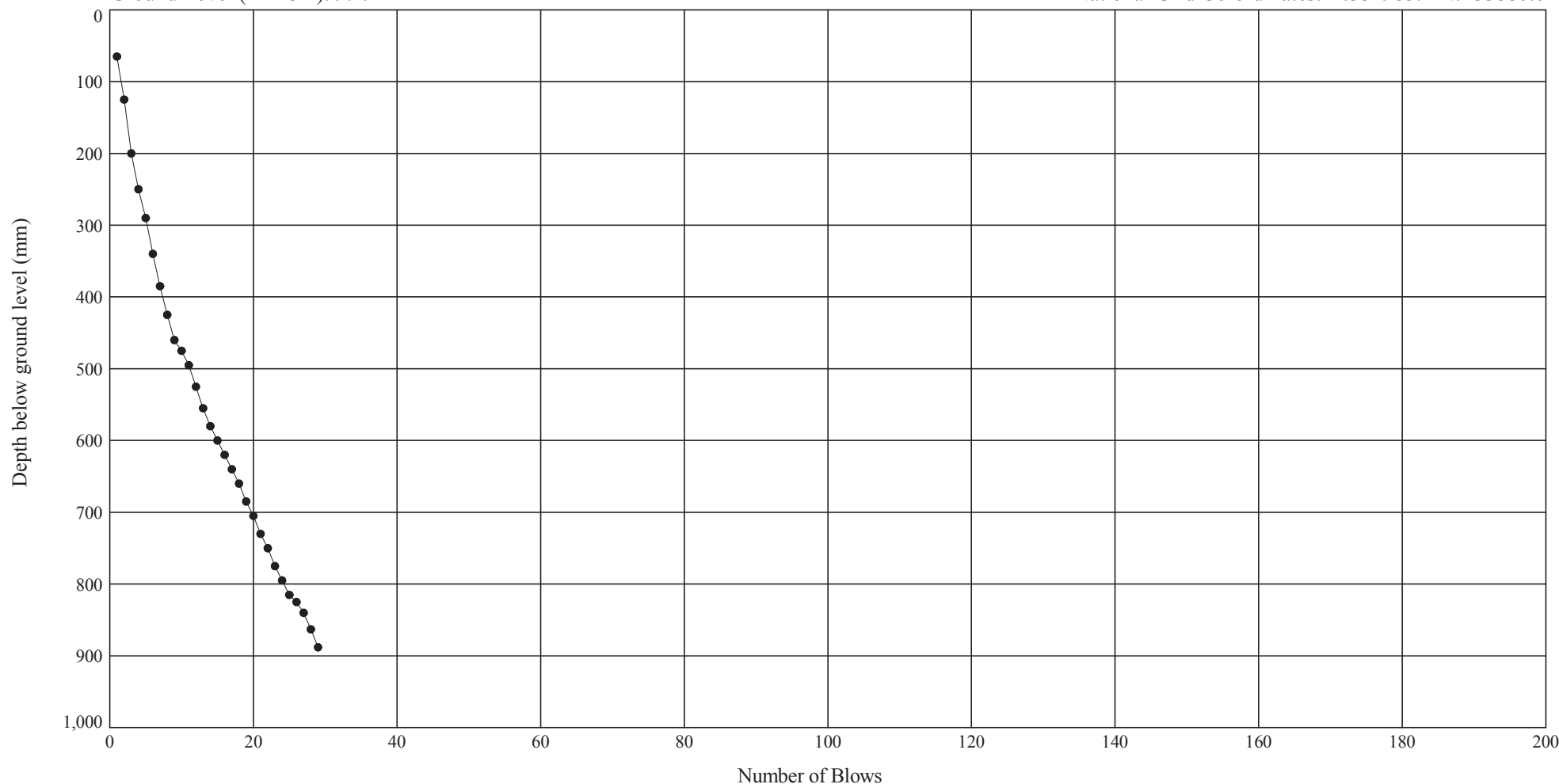
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **UG-CBR10**

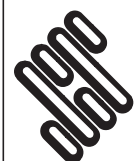
Test Date : **2.4.13**

Ground Level (m AOD): **9.19**

National Grid Co-ordinates: **E:337983.4 N:155880.0**



Notes: **Test conducted in pasture land. Location: Webbington.**



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Contract	<div>Hinkley to Seabank 400kV Connection</div>				

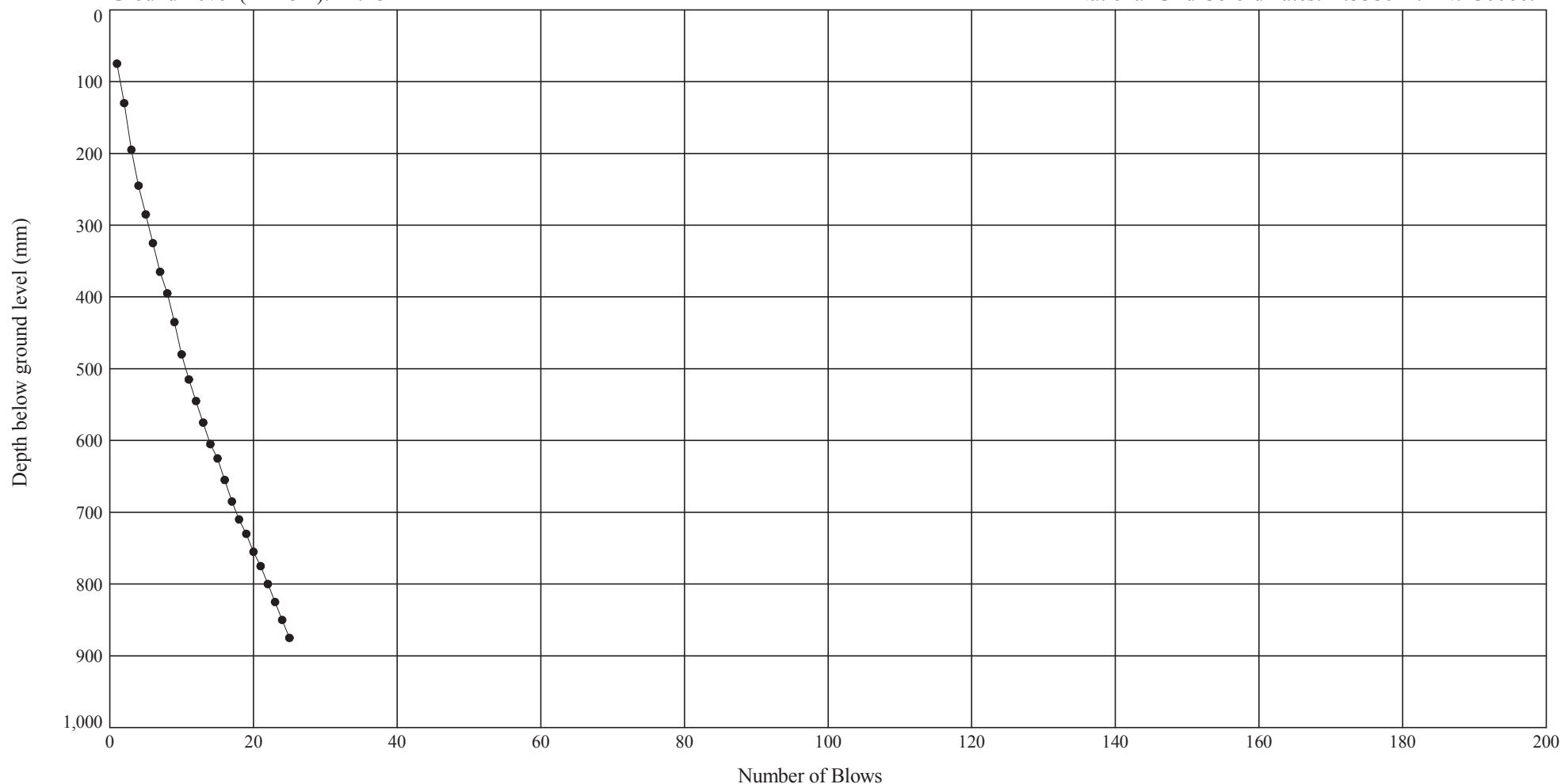
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **UG-CBR11**

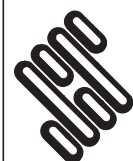
Test Date : **2.4.13**

Ground Level (m AOD): **12.18**

National Grid Co-ordinates: **E:338044.2 N:156066.4**



Notes: **Test conducted in pasture land. Location: Webbington.**



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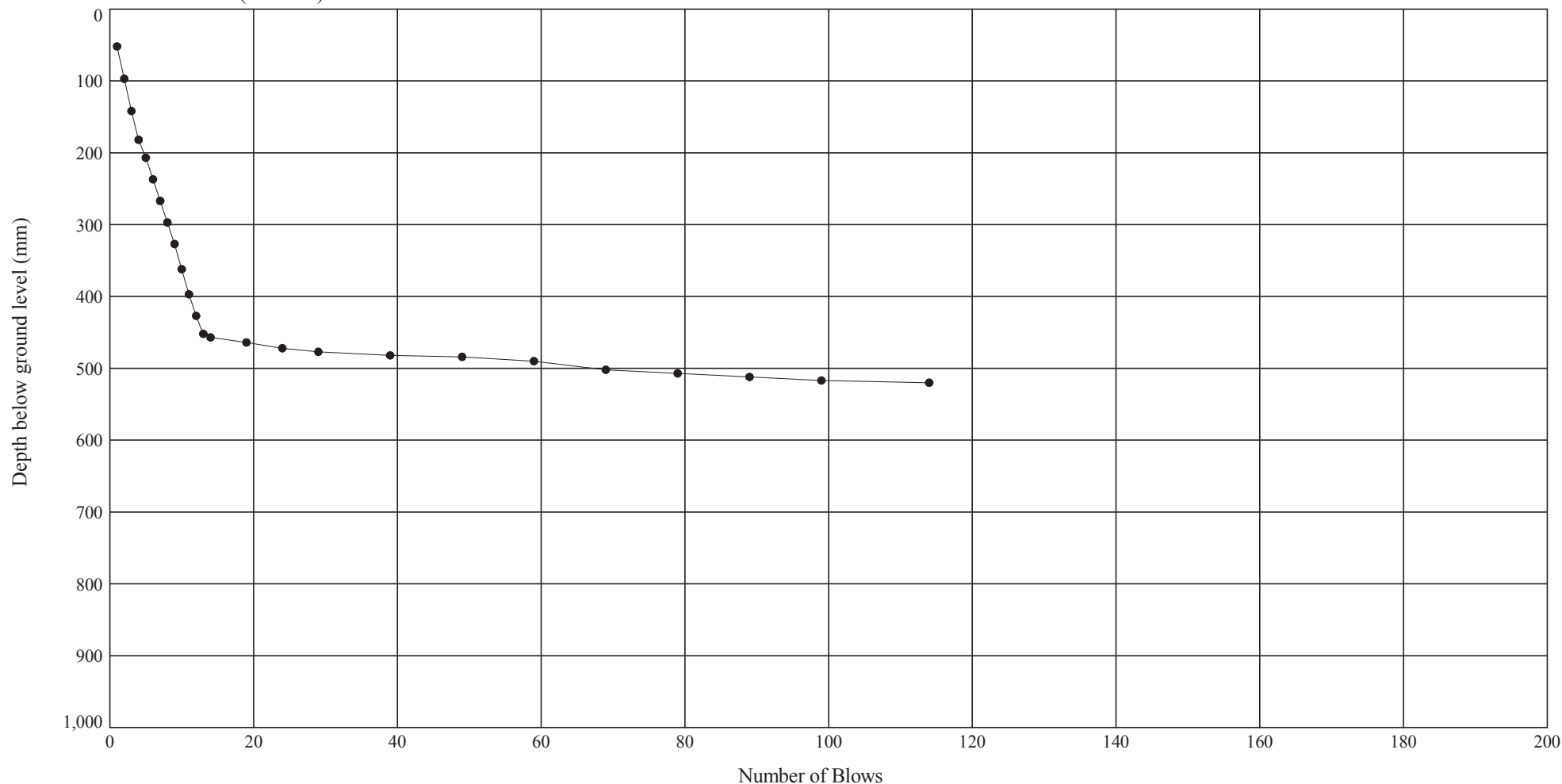
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **UG-CBR12**

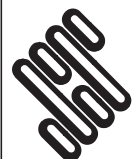
Test Date : **2.4.13**

Ground Level (m AOD): **11.79**

National Grid Co-ordinates: **E:338117.3 N:156245.2**



Notes: **Probe sunk under own weight to 298mm reading as in freshly tild field. Location: Webbington.**



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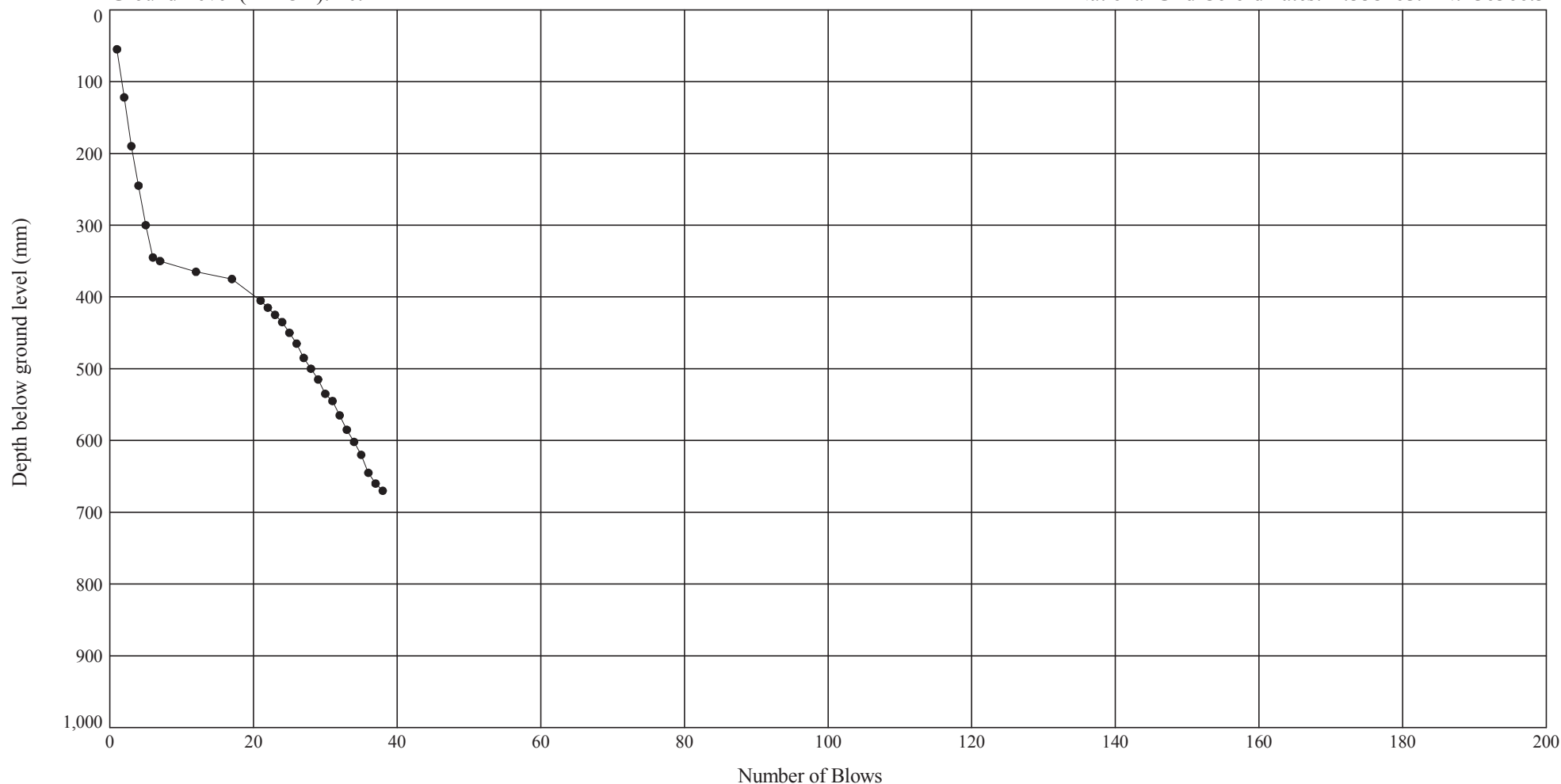
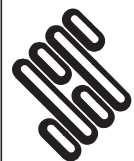
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DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **UG-CBR13**Test Date : **2.4.13**Ground Level (m AOD): **10.47**National Grid Co-ordinates: **E:338165.2 N:156366.3**Notes: **Probe sunk under own weight to 285mm reading as in freshly tild field. Location: Lox Yeo Valley (Mendips).**

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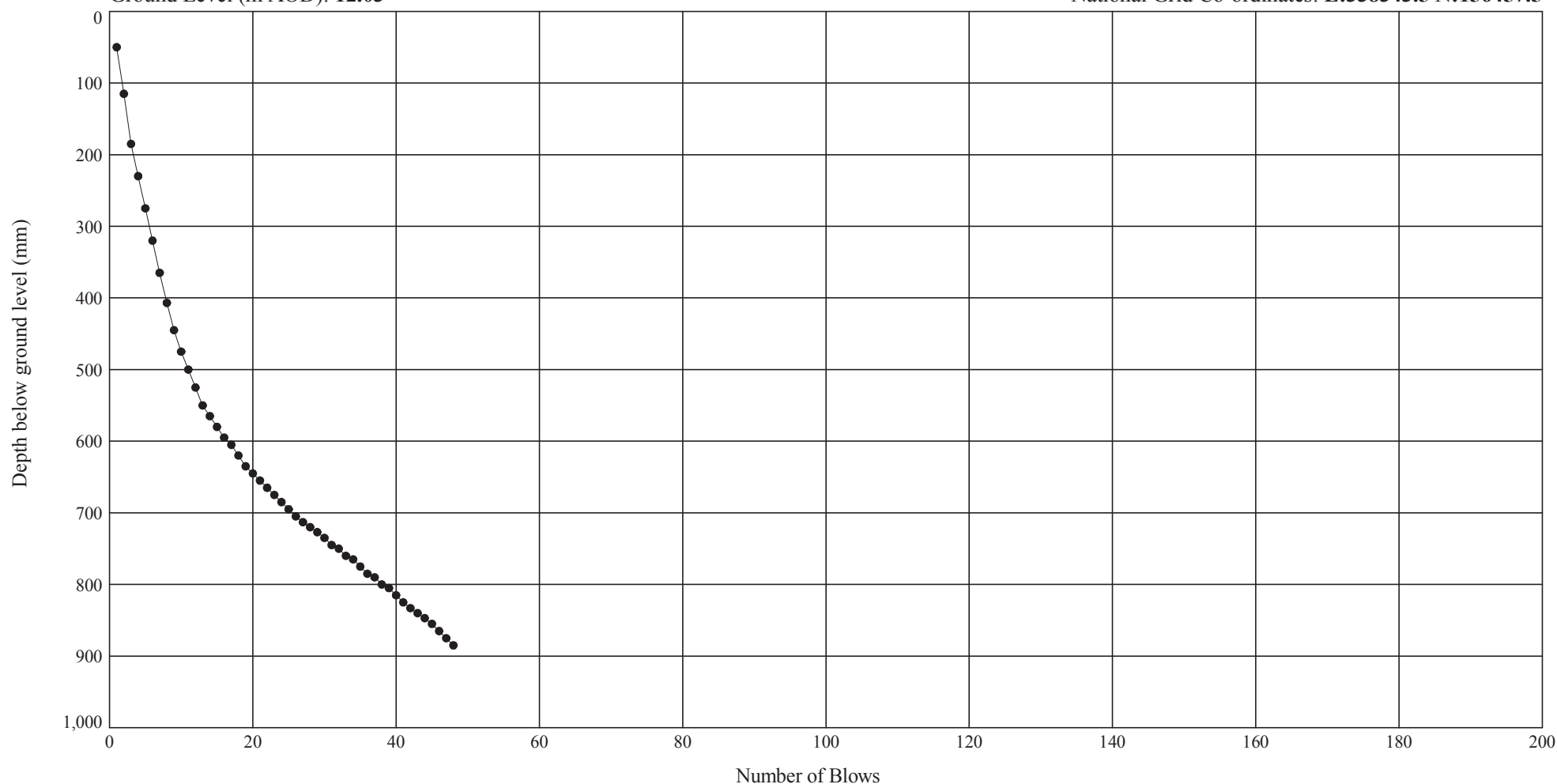
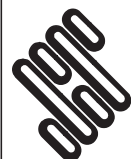
Date

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DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **UG-CBR14**Test Date : **2.4.13**Ground Level (m AOD): **12.03**National Grid Co-ordinates: **E:338343.5 N:156457.5**Notes: **Test conducted in pasture land. Location: Lox Yeo Valley (Mendips).**

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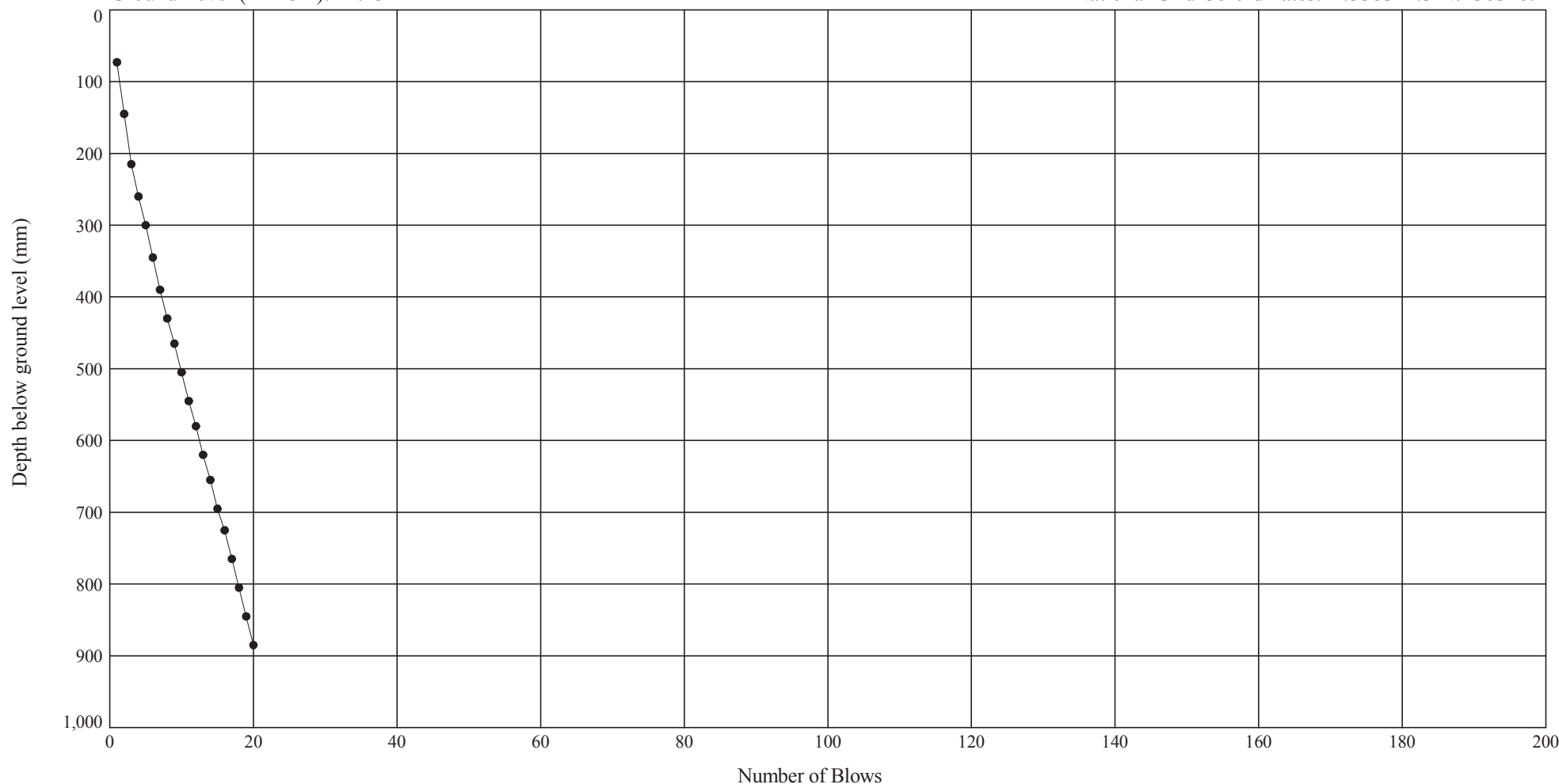
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **UG-CBR15**

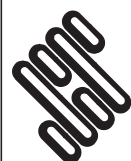
Test Date : **2.4.13**

Ground Level (m AOD): **12.73**

National Grid Co-ordinates: **E:338521.5 N:156546.7**



Notes: **Test conducted in pasture land. Location: Lox Yeo Valley (Mendips).**



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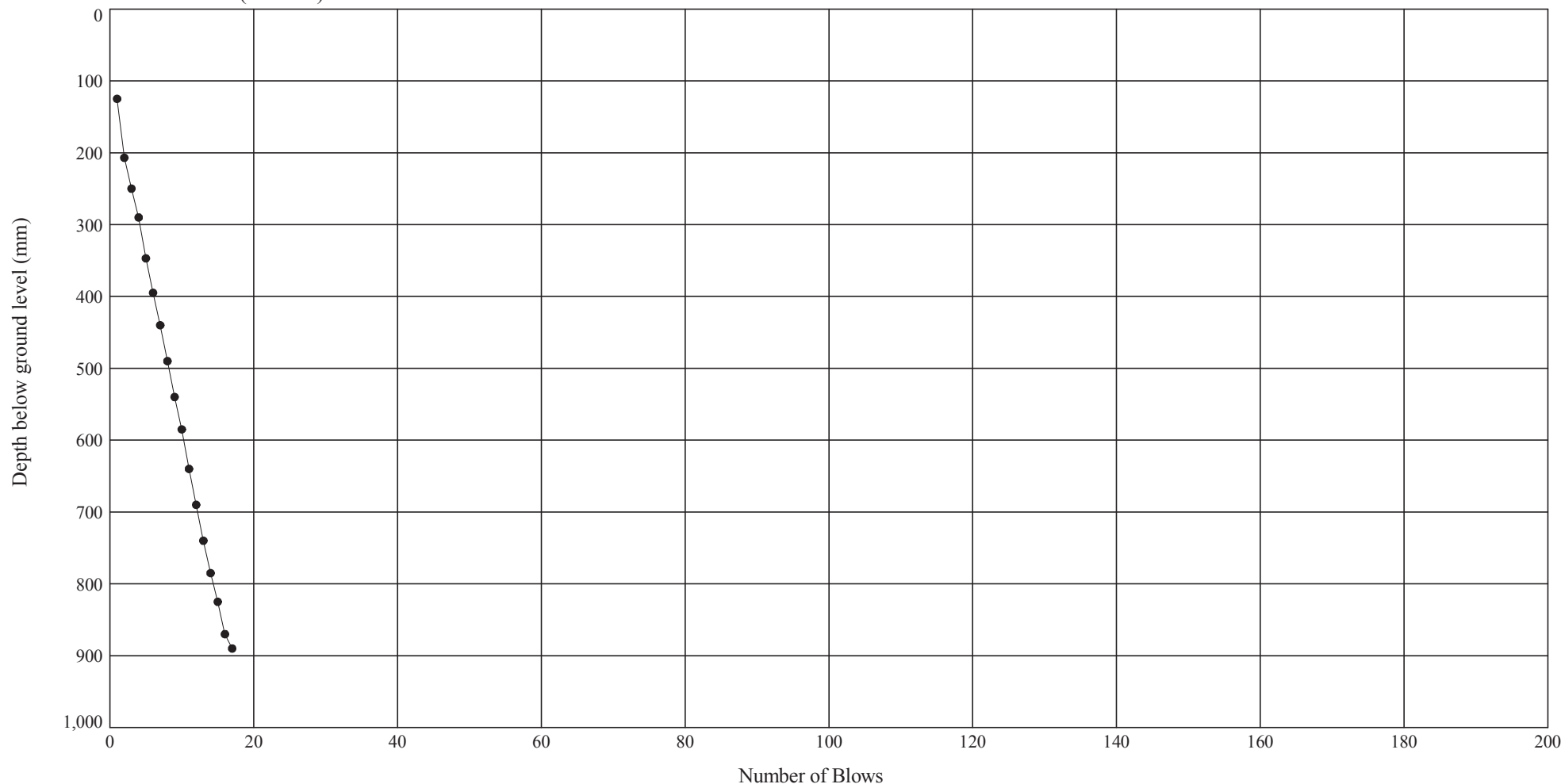
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **UG-CBR16**

Test Date : **3.4.13**

Ground Level (m AOD): **12.39**

National Grid Co-ordinates: **E:338692.7 N:156650.1**



Notes: **Test conducted in freshly tild field. Location: Lox Yeo Valley (Mendips).**



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Contract	<div>Hinkley to Seabank 400kV Connection</div>				

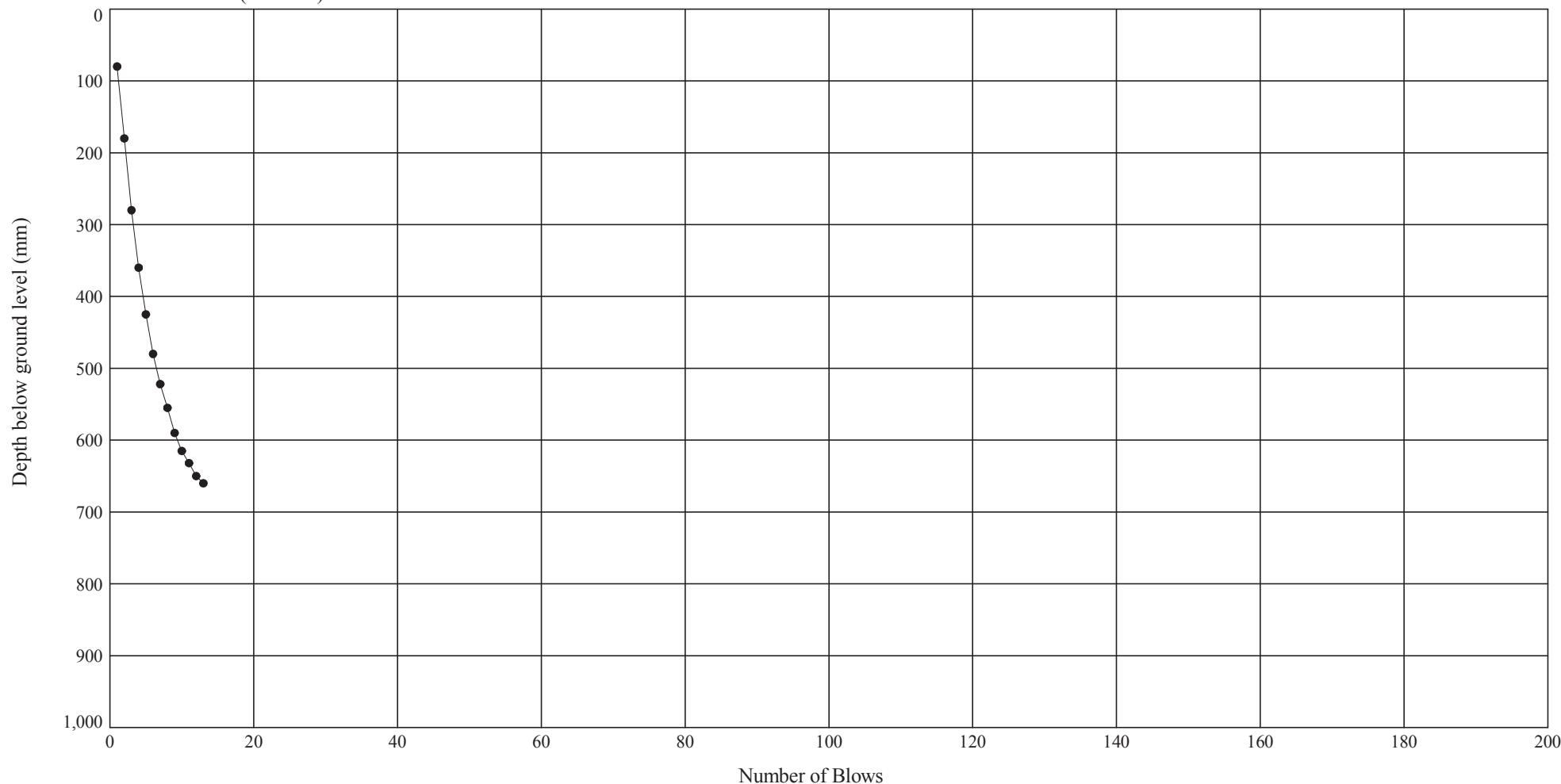
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **UG-CBR17**

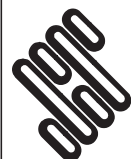
Test Date : **3.4.13**

Ground Level (m AOD): **12.54**

National Grid Co-ordinates: **E:338852.0 N:156772.8**



Notes: **Test conducted in freshly tild field. Probe sunk under own weight to 300mm reading. Location: Lox Yeo Valley (Mendips).**



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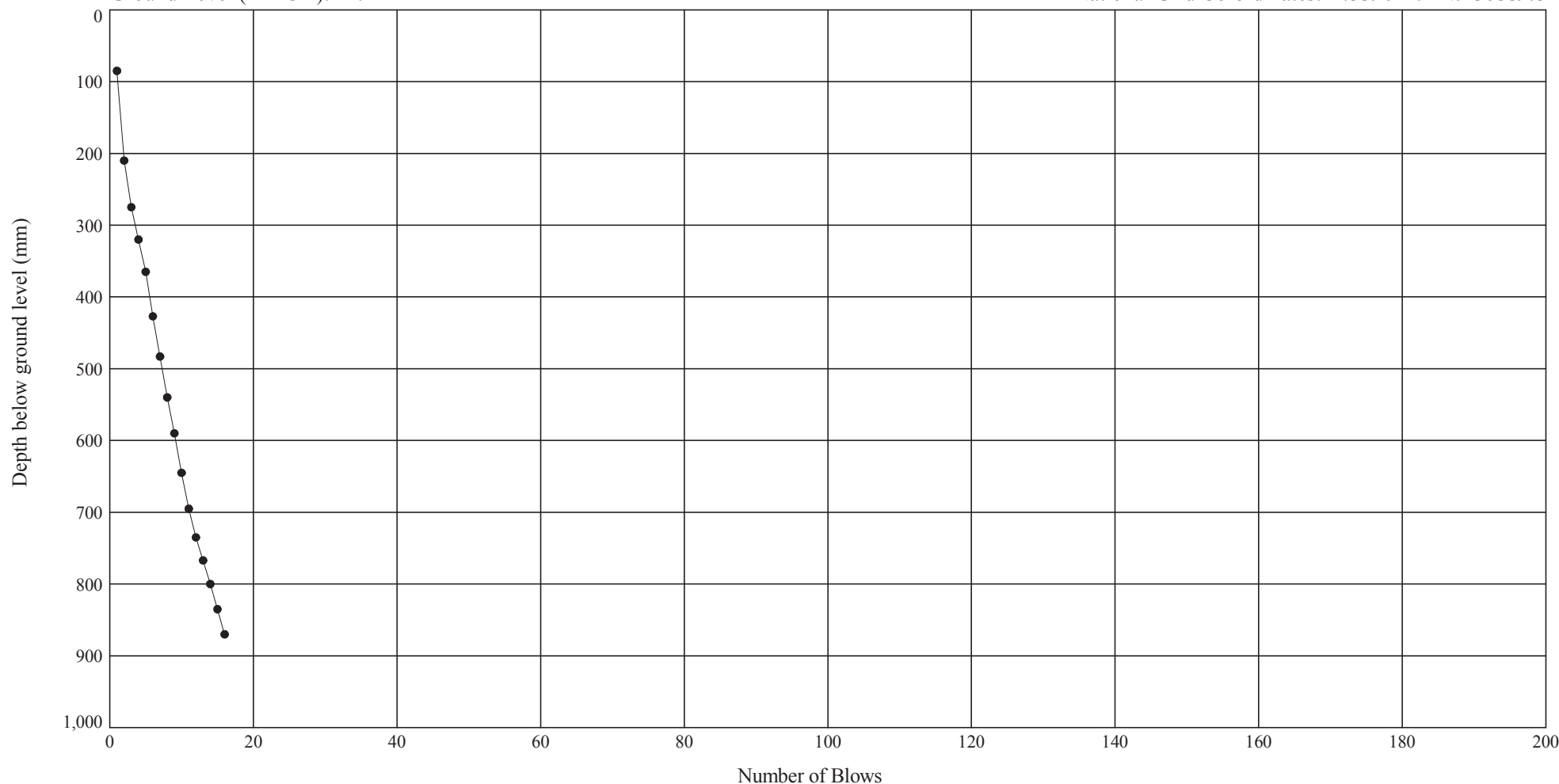
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **UG-CBR18**

Test Date : **3.4.13**

Ground Level (m AOD): **12.14**

National Grid Co-ordinates: **E:339012.2 N:156889.8**



Notes: **Test conducted in freshly tild field. Location: Lox Yeo Valley (Mendips).**



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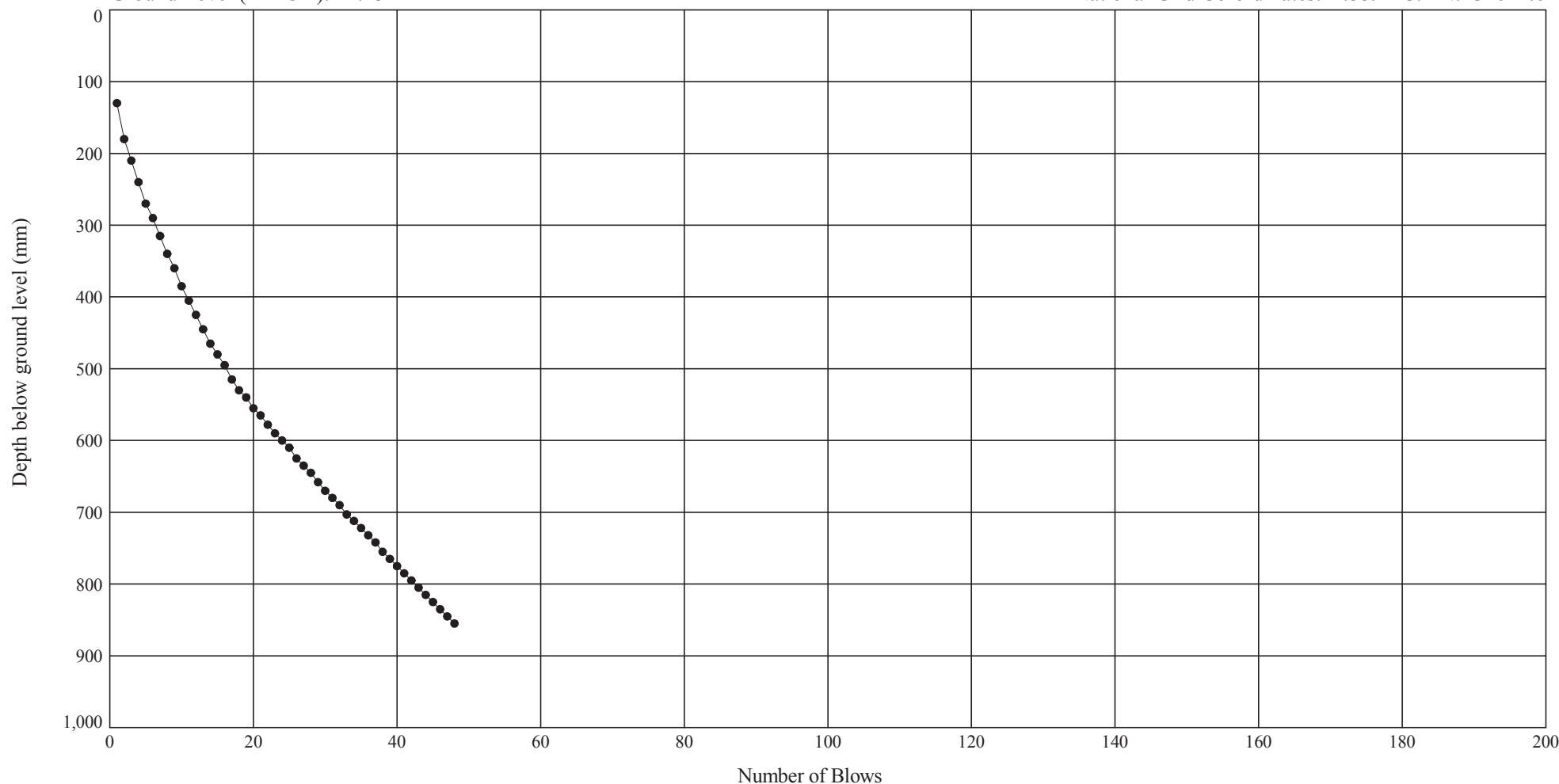
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **UG-CBR19**

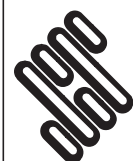
Test Date : **3.4.13**

Ground Level (m AOD): **14.73**

National Grid Co-ordinates: **E:339175.1 N:157012.6**



Notes: **Test conducted in pasture land. Location: Lox Yeo Valley (Mendips).**



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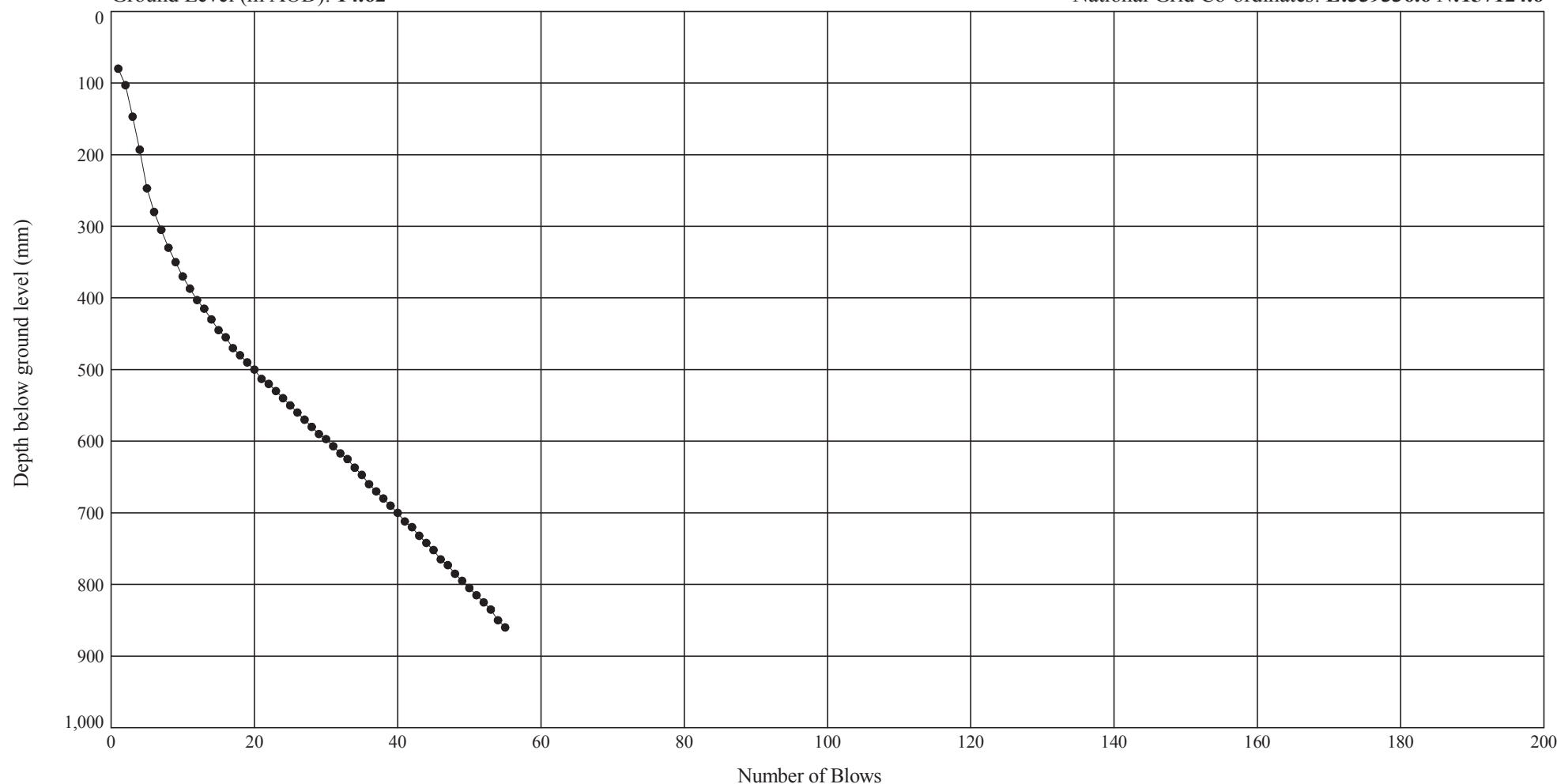
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **UG-CBR20**

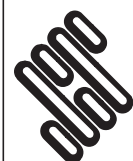
Test Date : **3.4.13**

Ground Level (m AOD): **14.62**

National Grid Co-ordinates: **E:339336.6 N:157124.6**



Notes: **Test conducted in pasture land. Location: Lox Yeo Valley (Mendips).**



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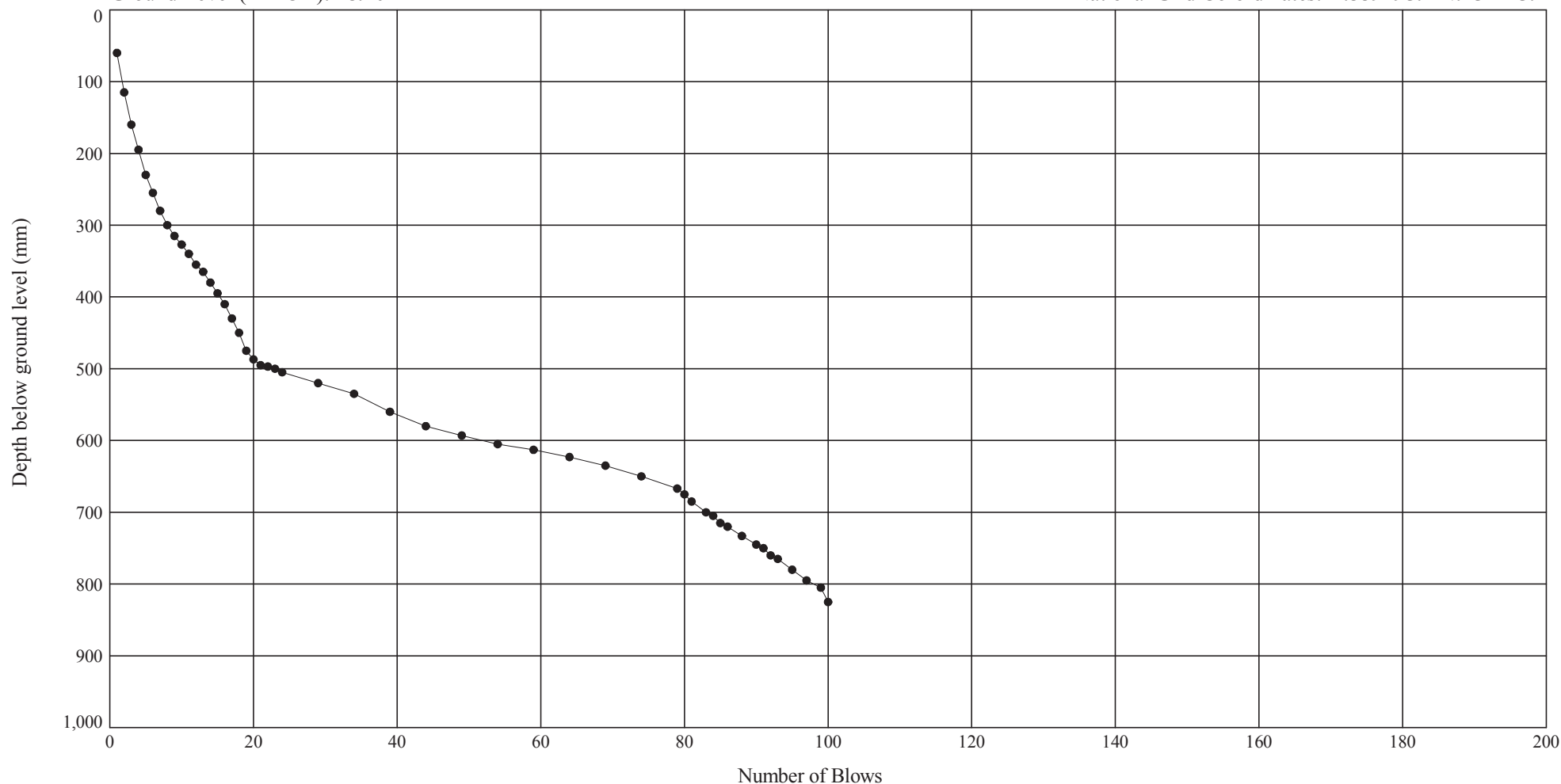
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **UG-CBR21**

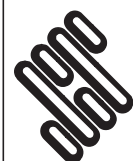
Test Date : **3.4.13**

Ground Level (m AOD): **18.10**

National Grid Co-ordinates: **E:339495.4 N:157245.4**



Notes: **Location: Lox Yeo Valley (Mendips).**



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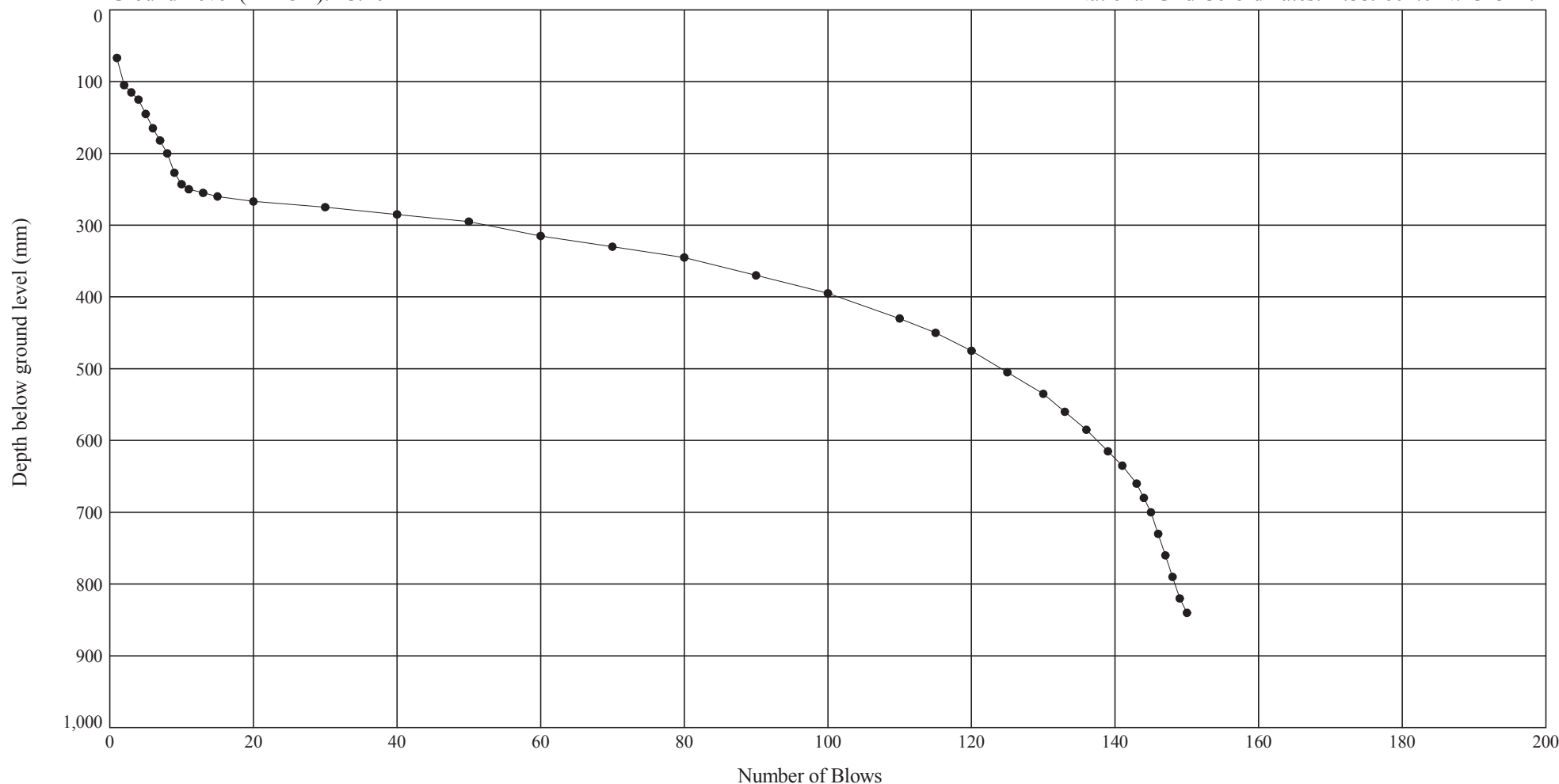
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **UG-CBR22**

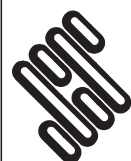
Test Date : **3.4.13**

Ground Level (m AOD): **15.70**

National Grid Co-ordinates: **E:339604.0 N:157342.4**



Notes: **Test conducted in pasture land. Location: Lox Yeo Valley (Mendips).**



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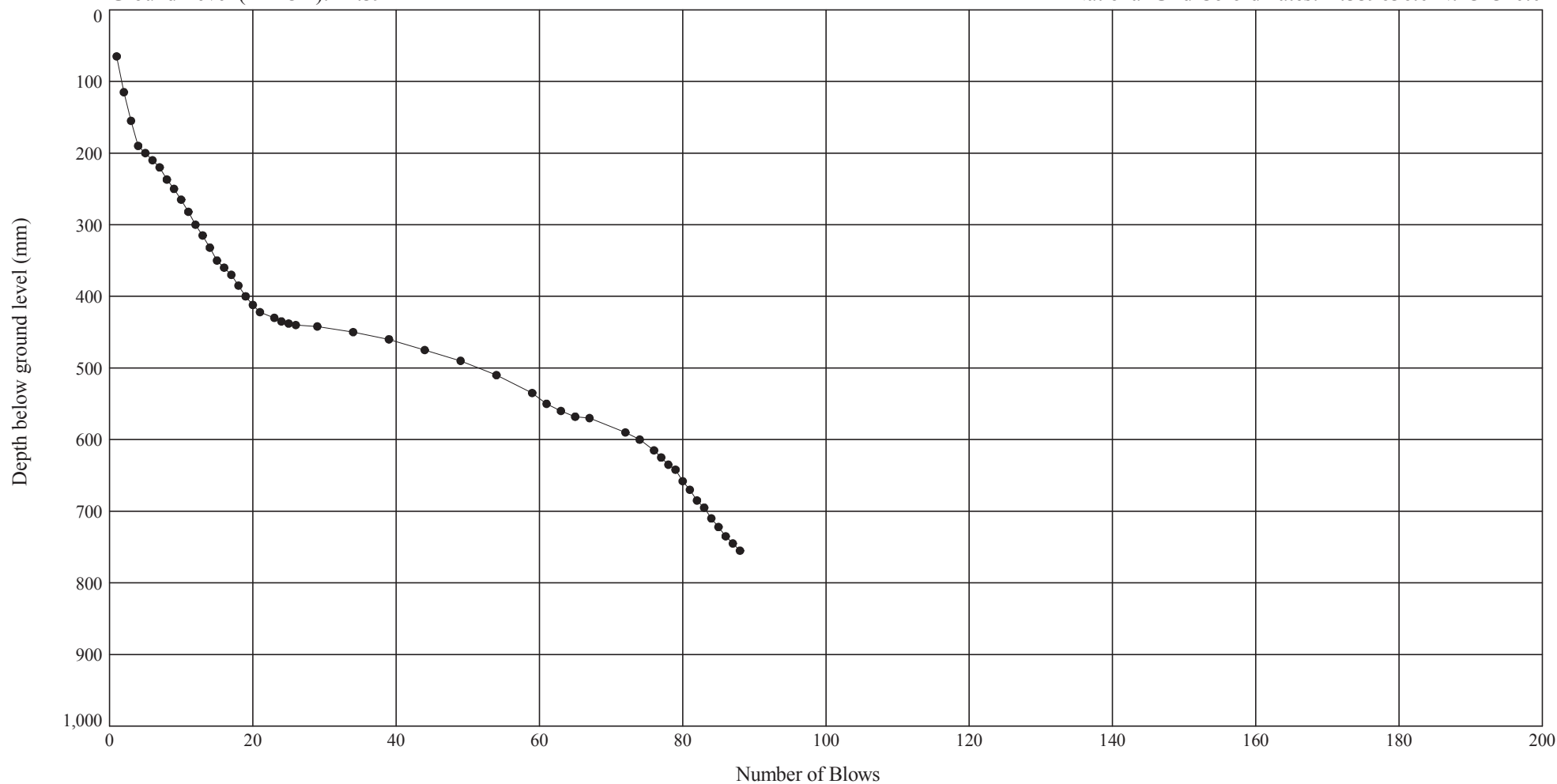
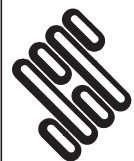
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DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **UG-CBR23**Test Date : **5.4.13**Ground Level (m AOD): **12.39**National Grid Co-ordinates: **E:339636.0 N:157540.0**Notes: **Test conducted in pasture land. Location: Lox Yeo Valley (Mendips).**

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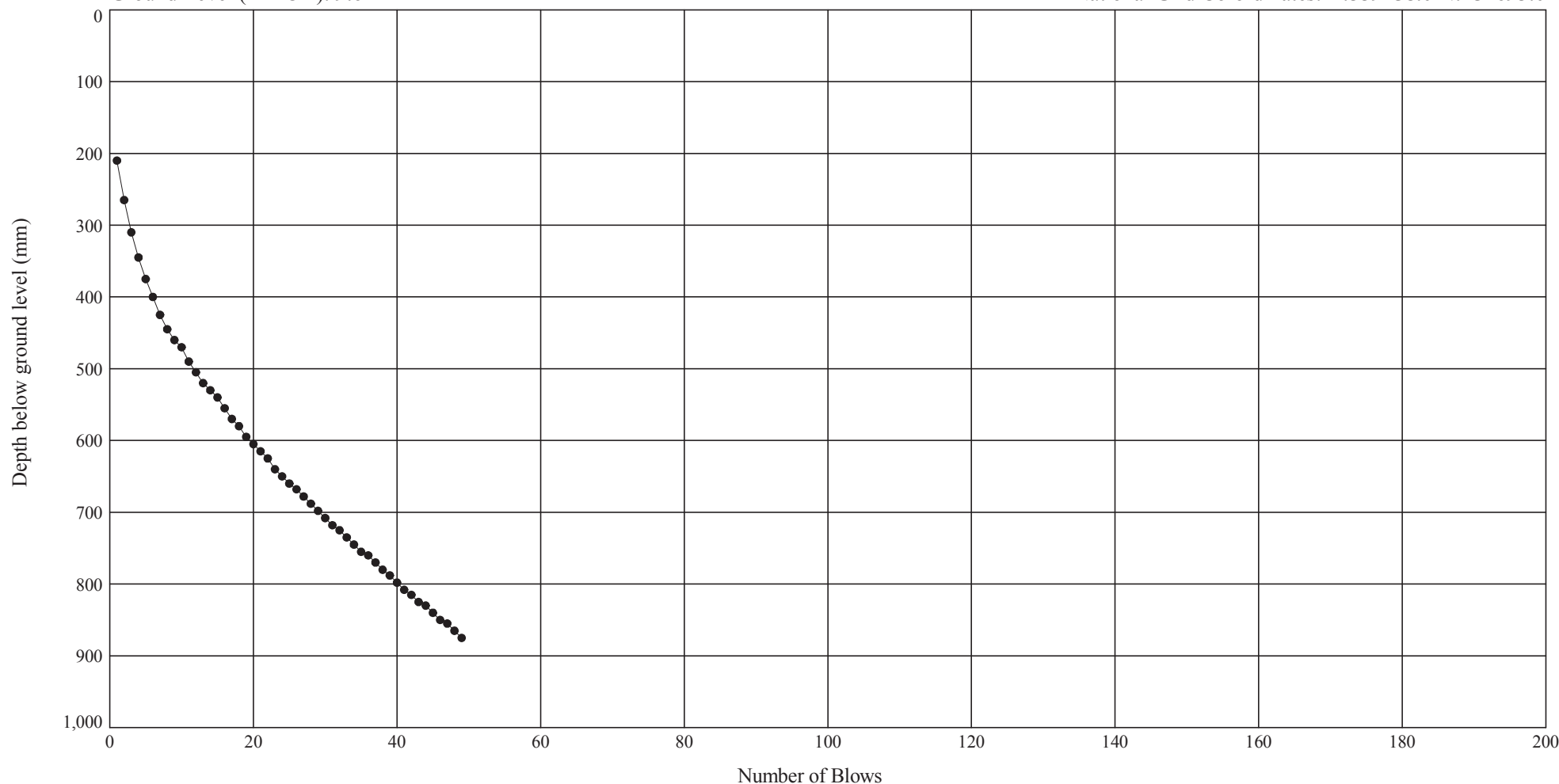
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **UG-CBR24**

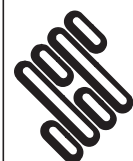
Test Date : **5.4.13**

Ground Level (m AOD): **9.61**

National Grid Co-ordinates: **E:339758.0 N:157693.0**



Notes: **Test conducted in pasture land. Location: Lox Yeo Valley (Mendips).**



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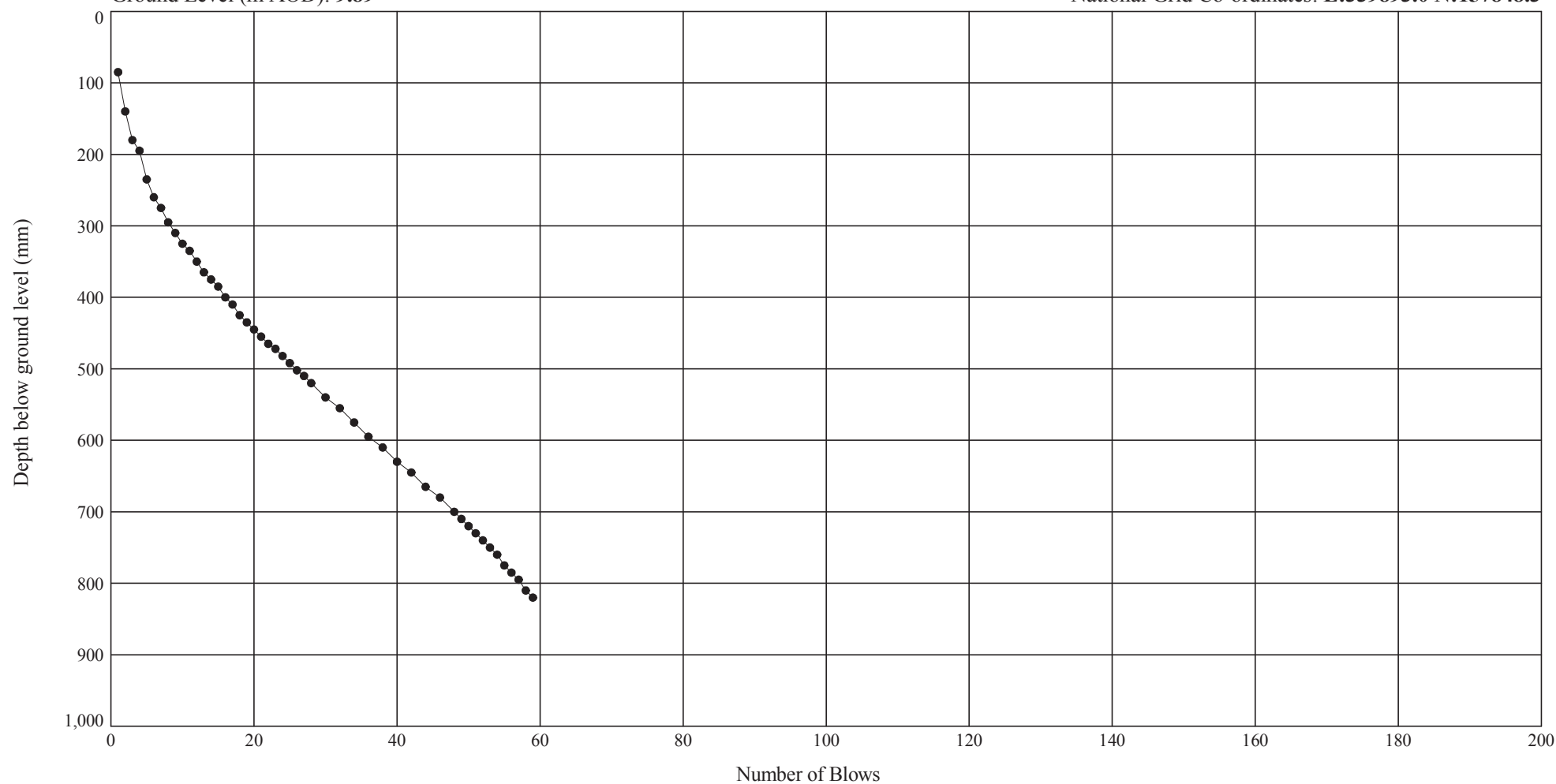
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DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **UG-CBR25**Test Date : **3.4.13**Ground Level (m AOD): **9.89**National Grid Co-ordinates: **E:339893.0 N:157848.3**Notes: **Test conducted in pasture land. Location: Lox Yeo Valley (Mendips).**

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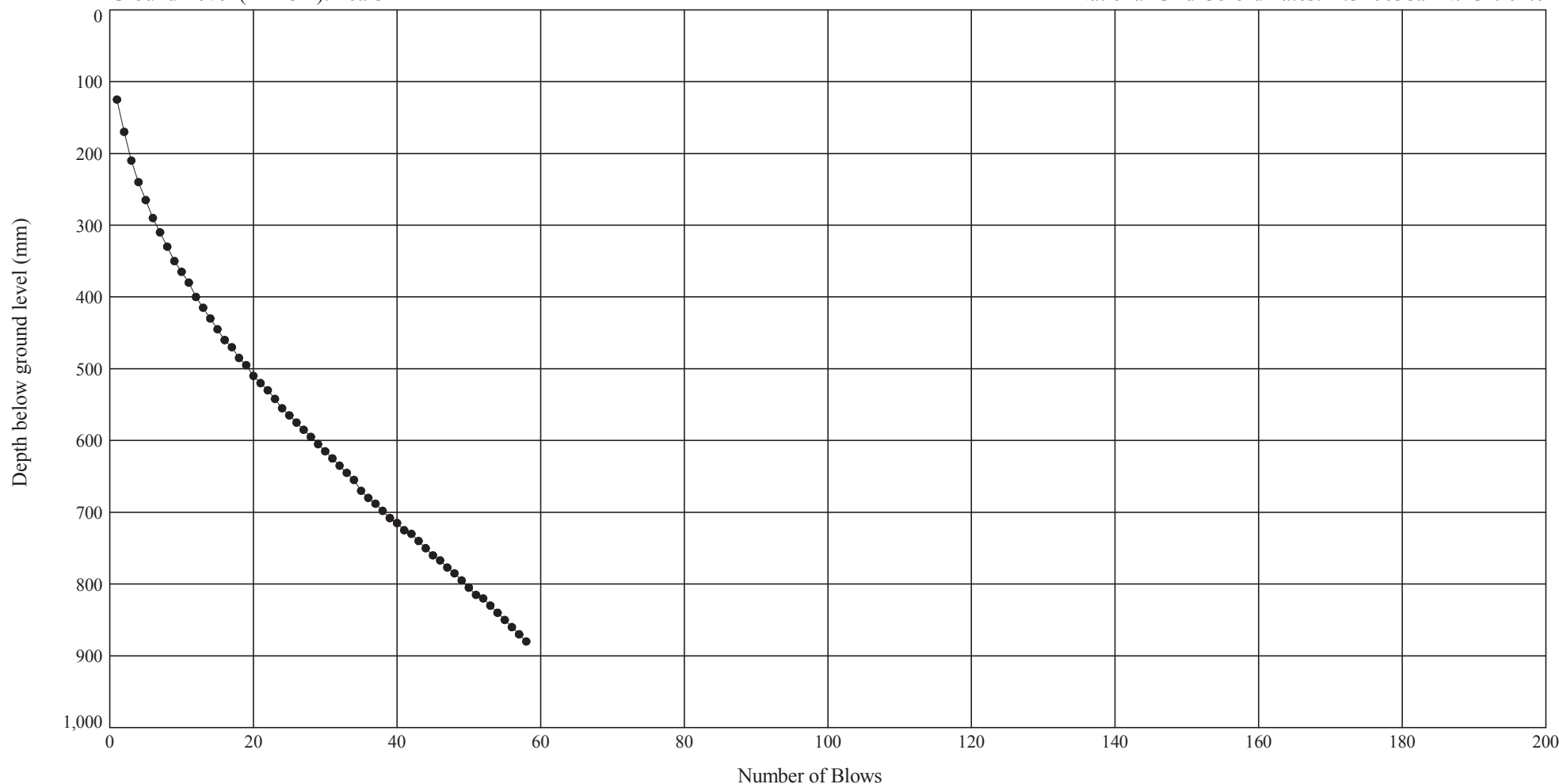
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **UG-CBR26**

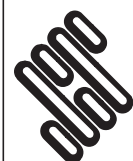
Test Date : **3.4.13**

Ground Level (m AOD): **10.93**

National Grid Co-ordinates: **E:340038.9 N:157902.0**



Notes: **Test conducted in pasture land. Location: Lox Yeo Valley (Mendips).**



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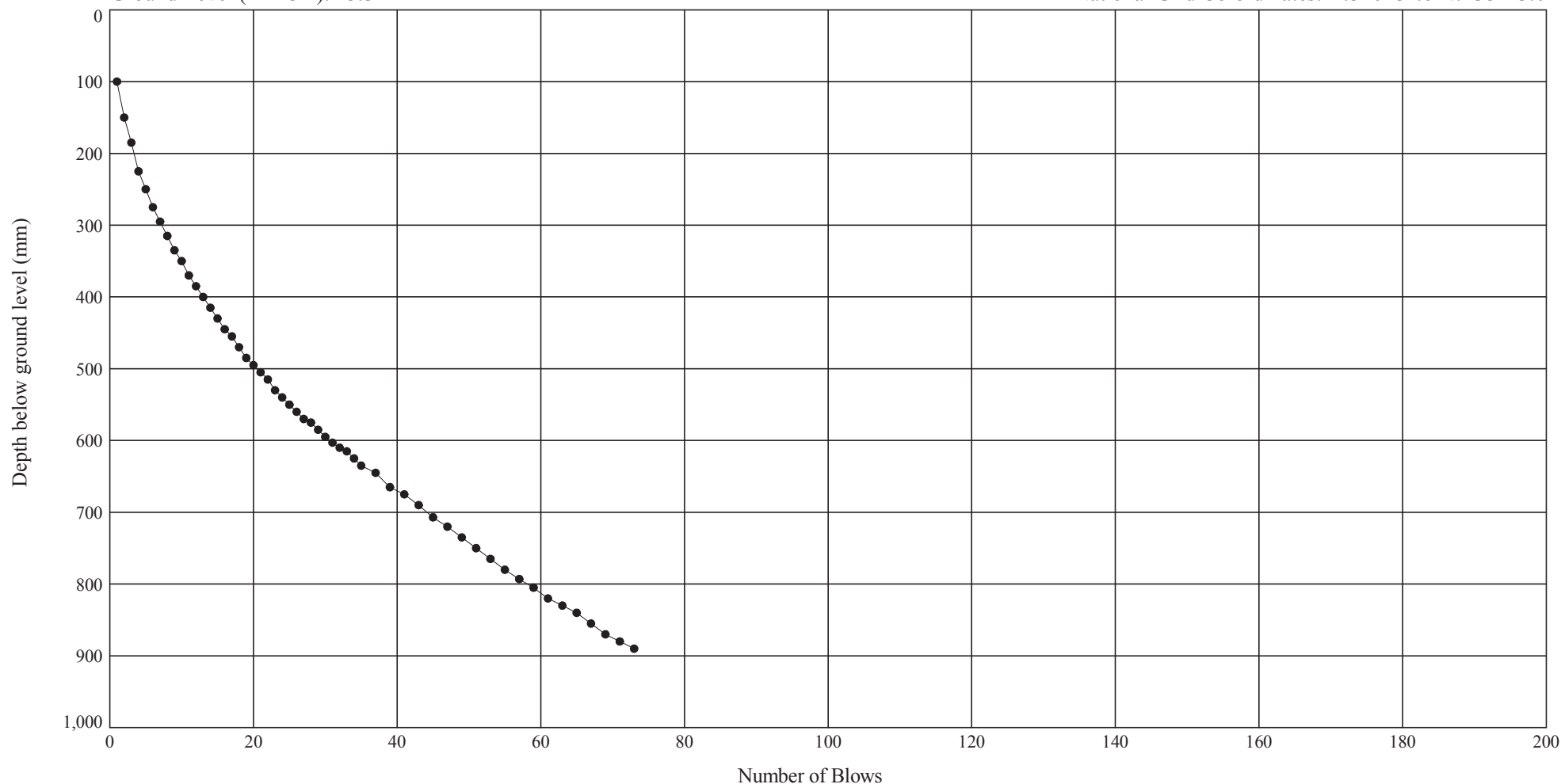
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **UG-CBR27**

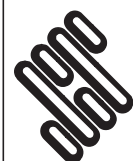
Test Date : **3.4.13**

Ground Level (m AOD): **13.51**

National Grid Co-ordinates: **E:340187.6 N:158113.0**



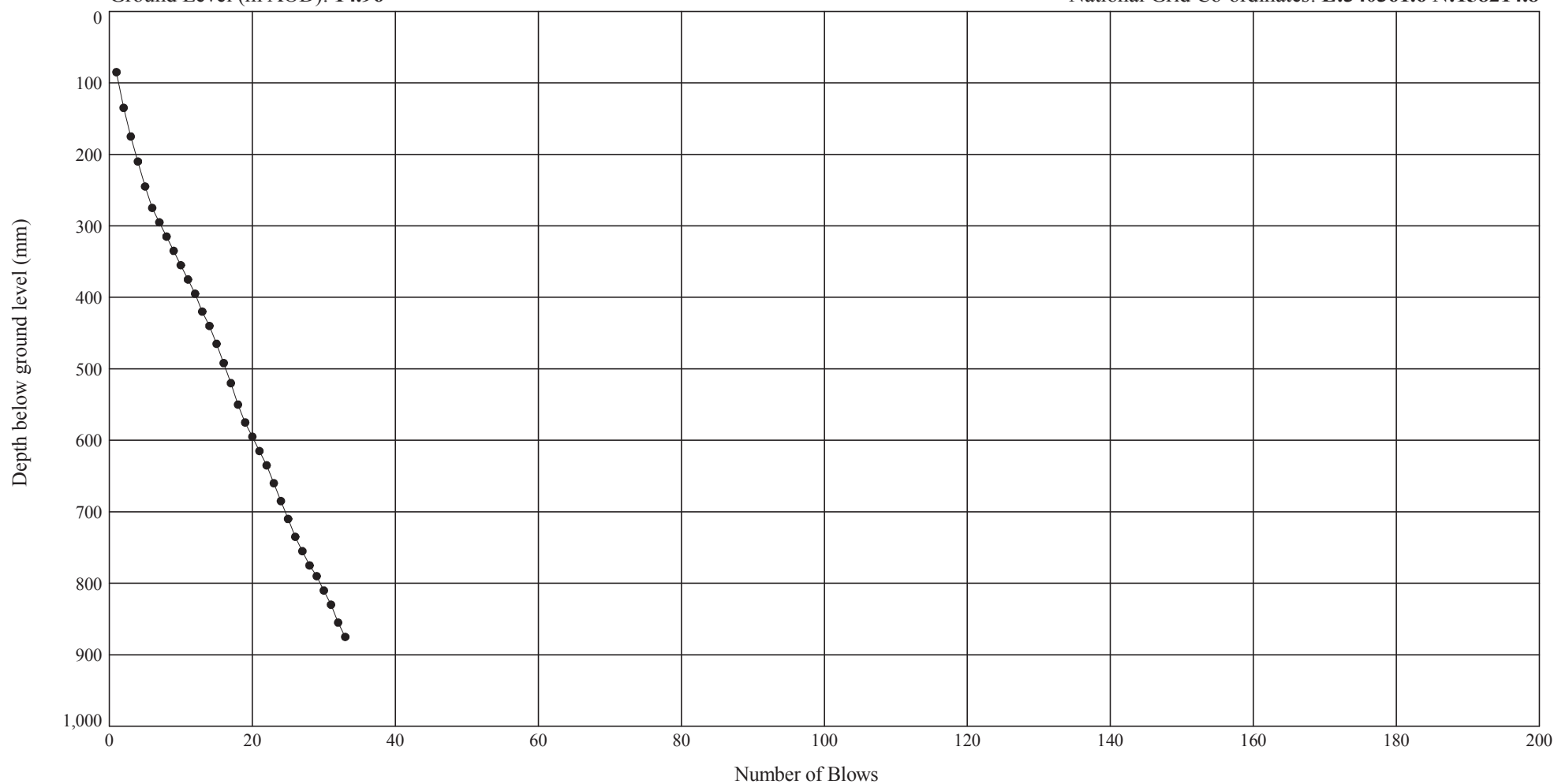
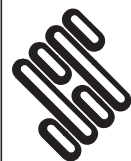
Notes: **Test conducted in pasture land. Location: Sandford.**



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DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **UG-CBR28**Test Date : **3.4.13**Ground Level (m AOD): **14.96**National Grid Co-ordinates: **E:340361.6 N:158214.8**Notes: **Test conducted in pasture land. Location: Sandford.**

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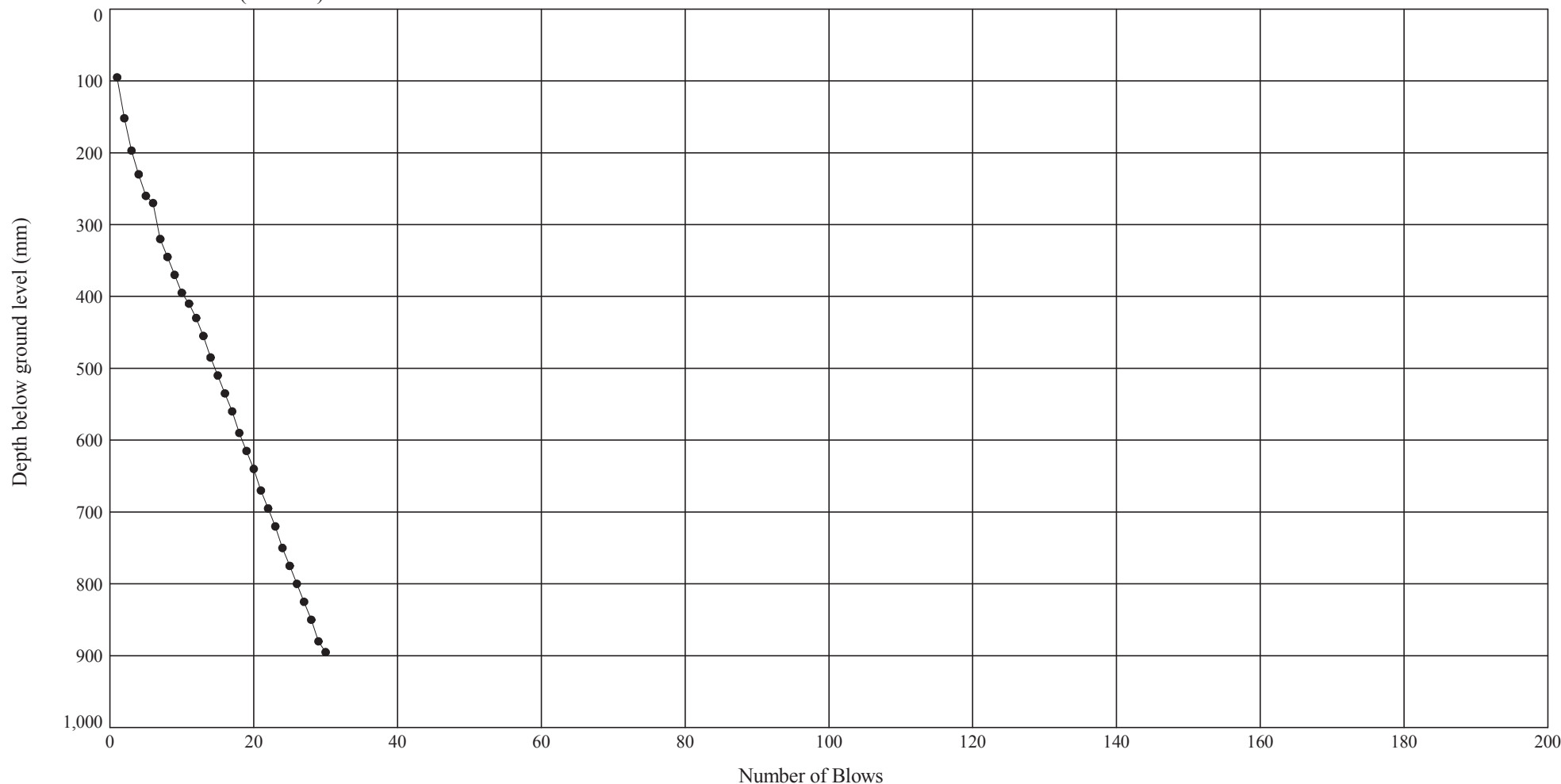
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **UG-CBR29**

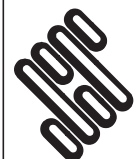
Test Date : **3.4.13**

Ground Level (m AOD): **16.30**

National Grid Co-ordinates: **E:340534.1 N:158311.9**



Notes: **Test conducted in pasture land. Location: Sandford.**



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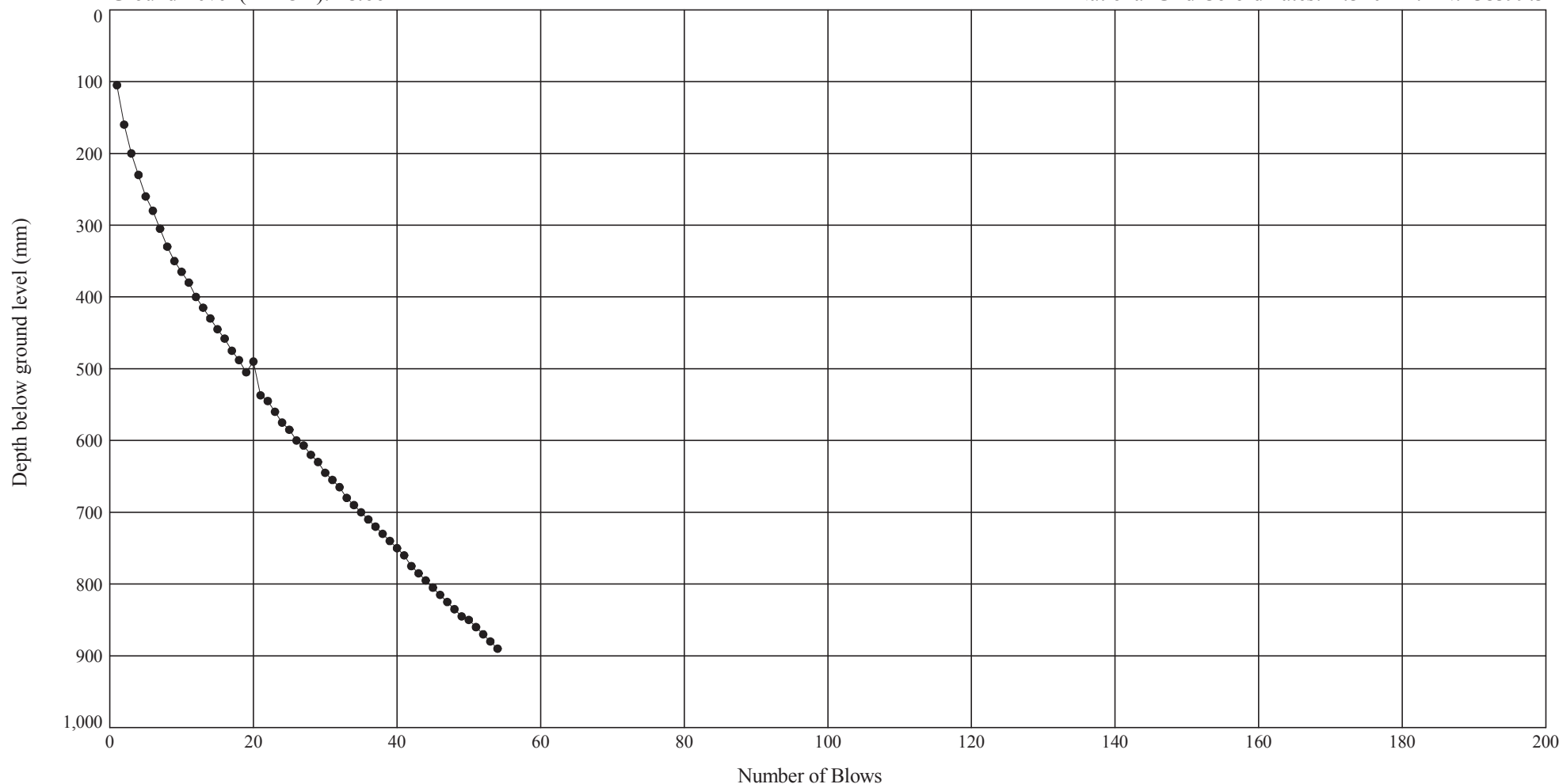
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **UG-CBR30**

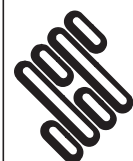
Test Date : **4.4.13**

Ground Level (m AOD): **18.66**

National Grid Co-ordinates: **E:340727.2 N:158399.3**



Notes: **Test conducted in pasture land. Location: Sandford.**



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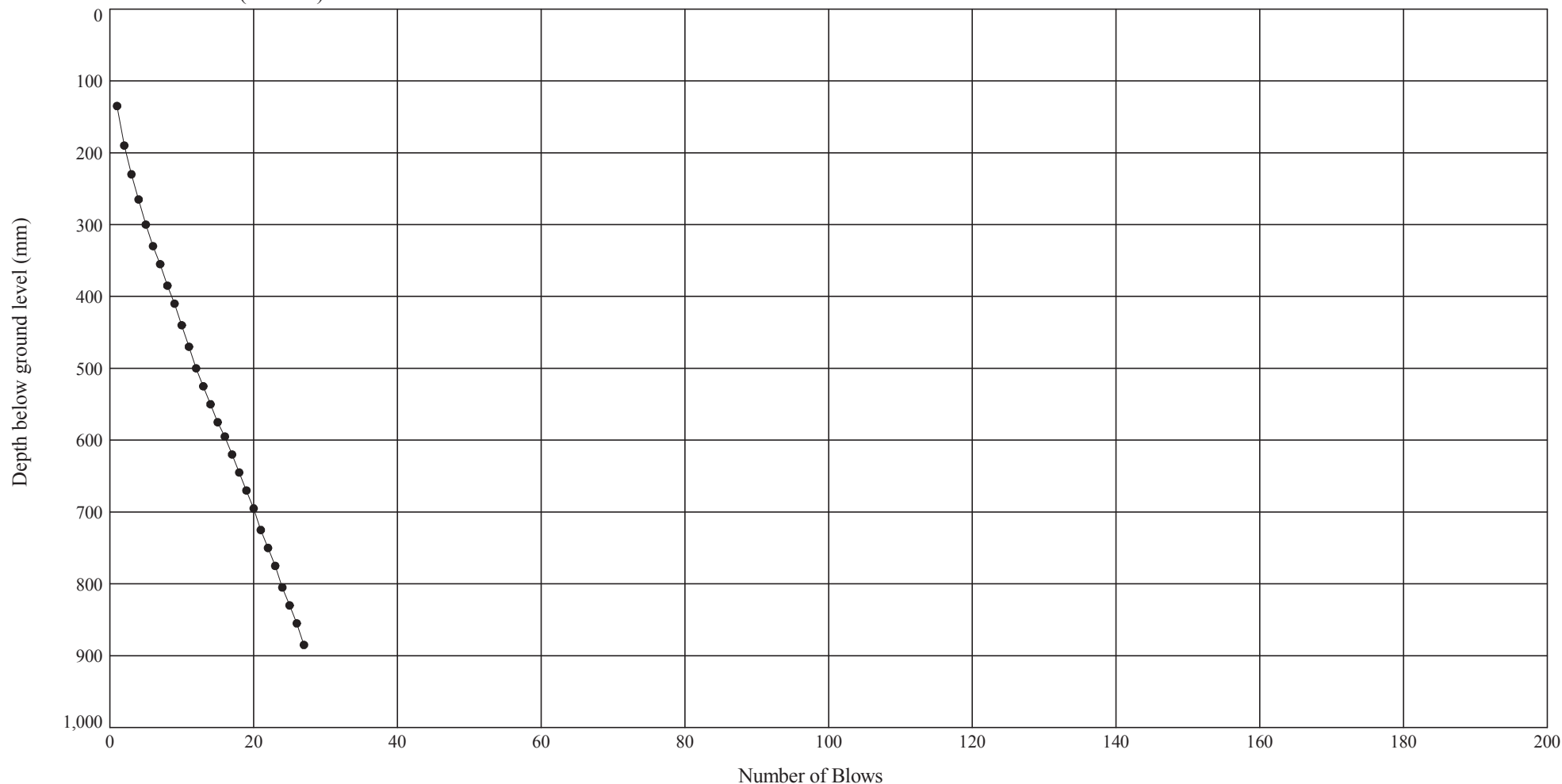
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **UG-CBR31**

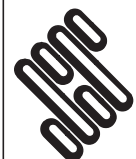
Test Date : **4.4.13**

Ground Level (m AOD): **23.12**

National Grid Co-ordinates: **E:340954.7 N:158516.2**



Notes: **Test conducted in pasture land. Location: Sandford.**



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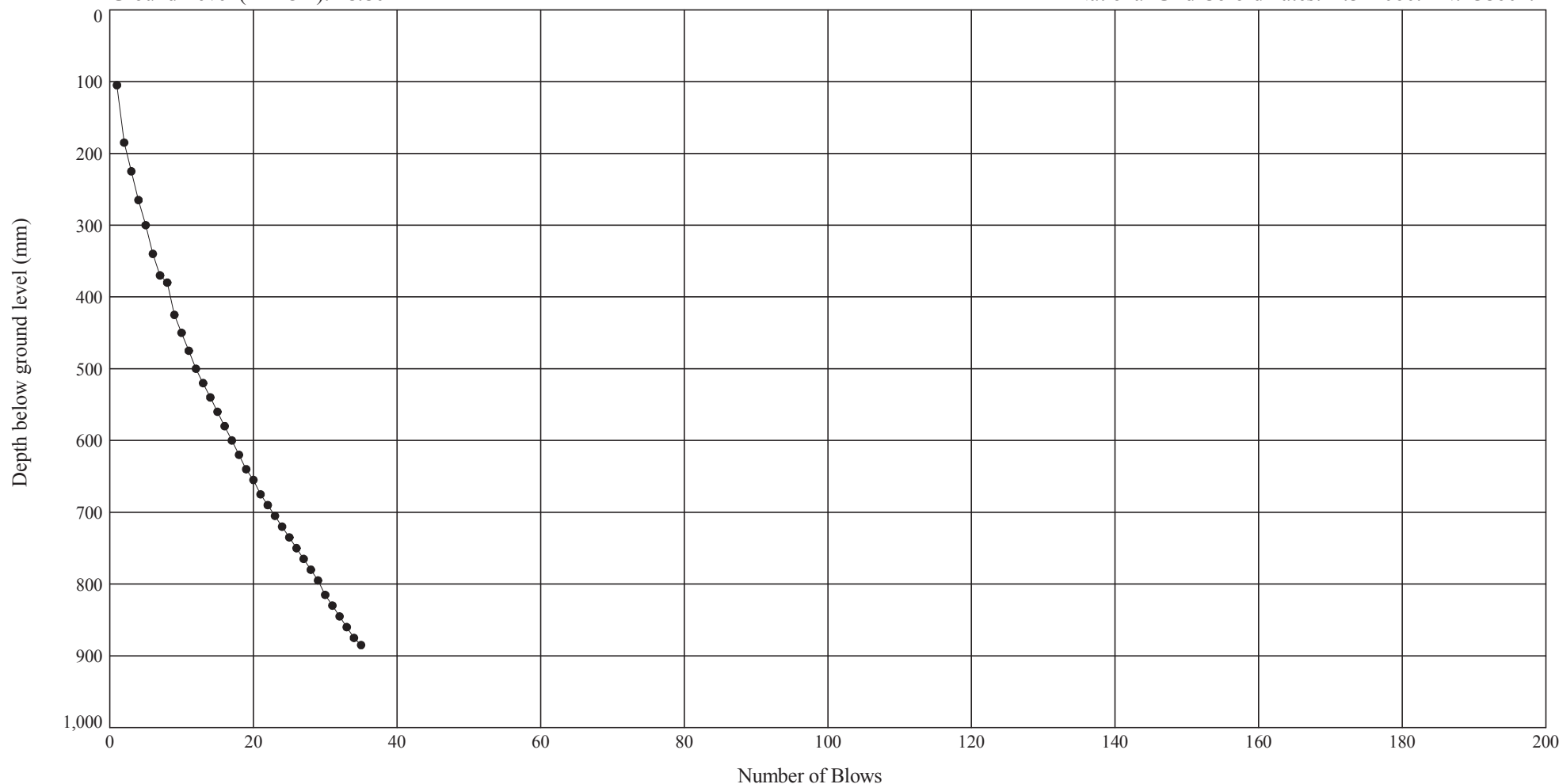
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **UG-CBR32**

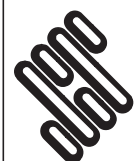
Test Date : **4.4.13**

Ground Level (m AOD): **28.80**

National Grid Co-ordinates: **E:341060.7 N:158601.7**



Notes: **Test conducted in stubble field. Location: Sandford.**



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Contract Hinkley to Seabank 400kV Connection								

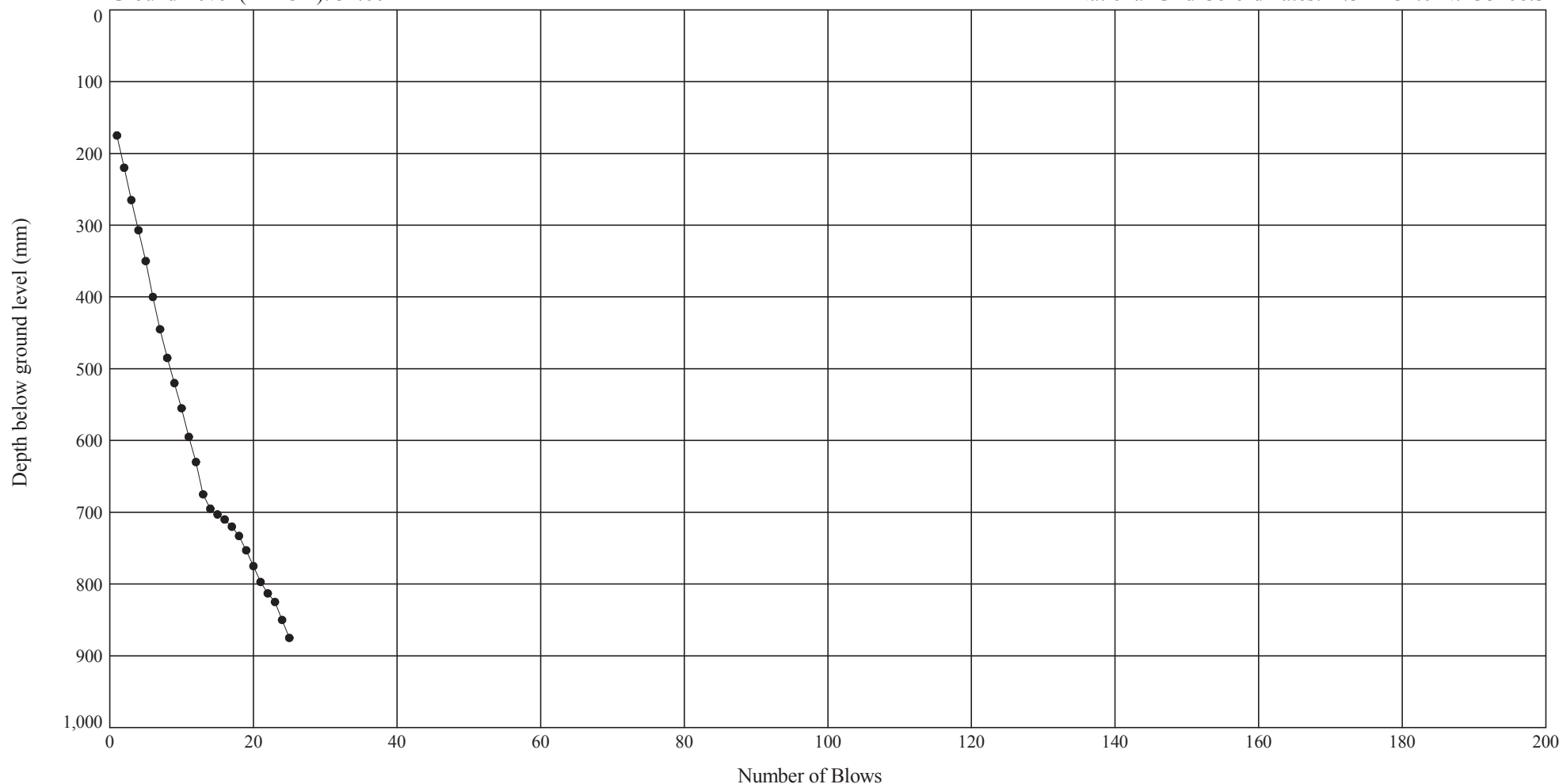
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **UG-CBR33**

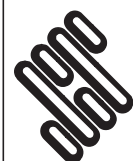
Test Date : **4.4.13**

Ground Level (m AOD): **34.60**

National Grid Co-ordinates: **E:341232.0 N:158706.5**



Notes: **Test conducted in ploughed field. Location: Sandford.**



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Contract	Hinkley to Seabank 400kV Connection				

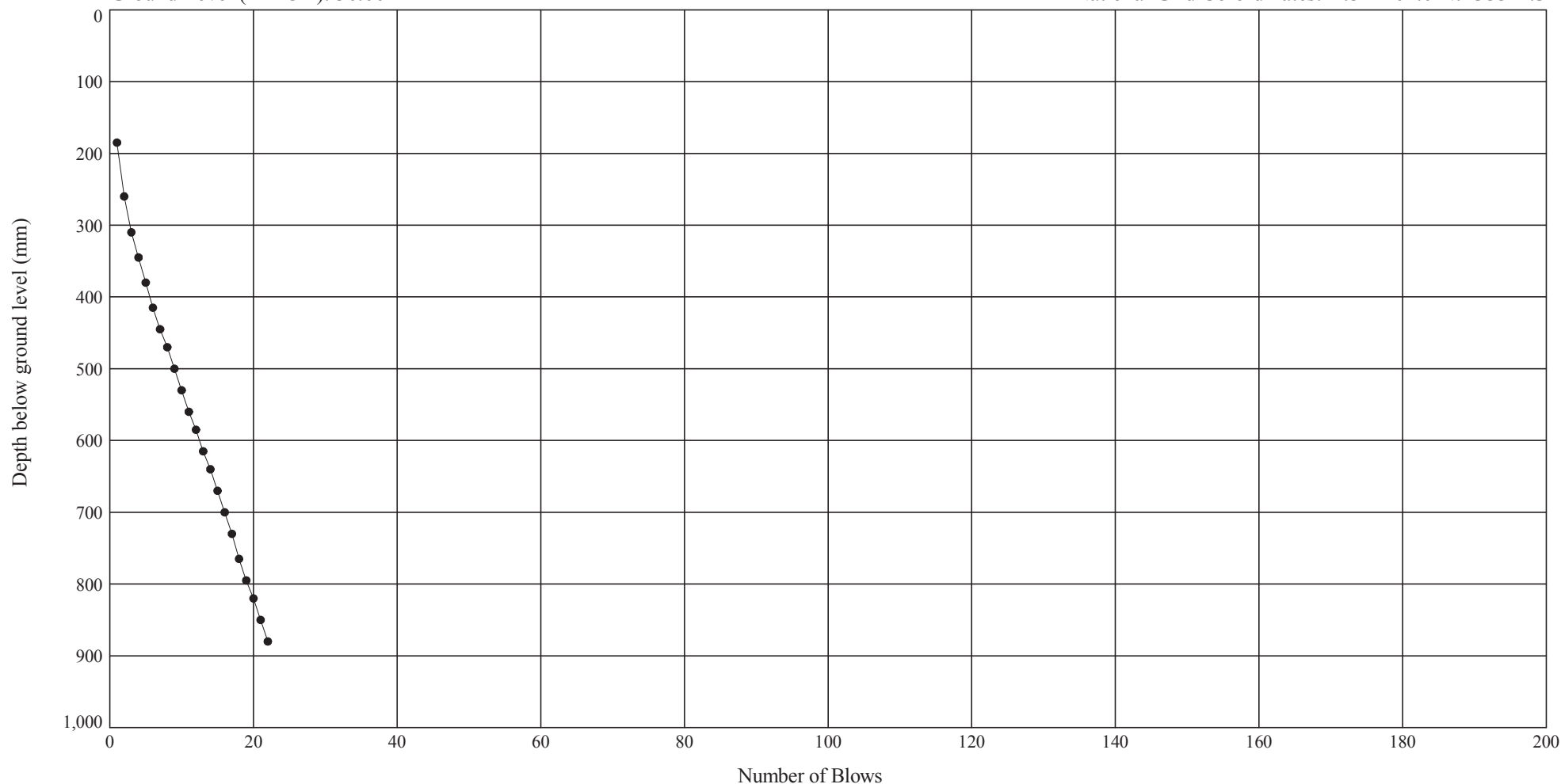
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **UG-CBR34**

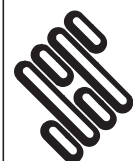
Test Date : **4.4.13**

Ground Level (m AOD): **36.00**

National Grid Co-ordinates: **E:341402.0 N:158822.5**



Notes: **Test conducted in ploughed field. Location: Sandford.**



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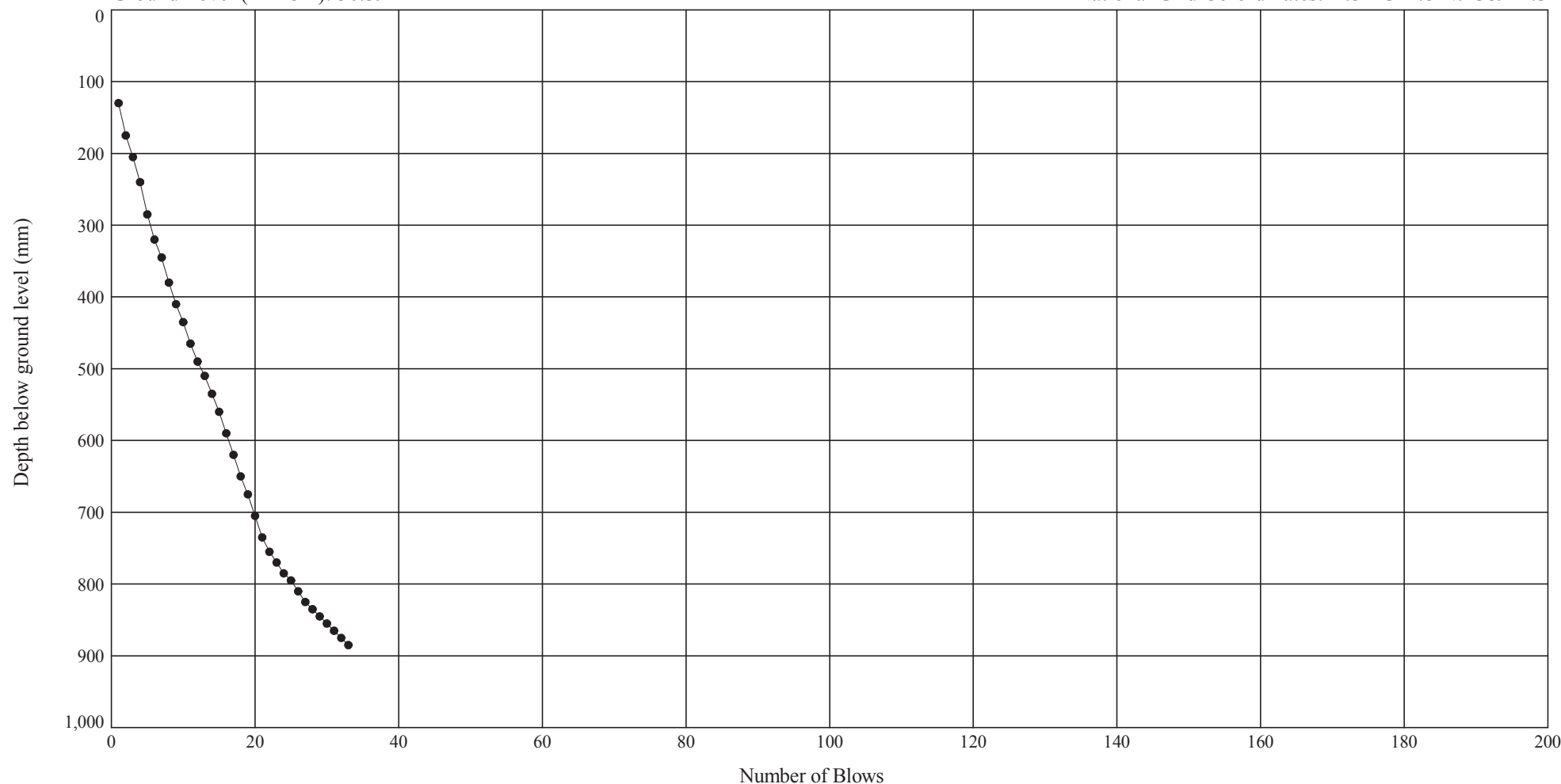
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **UG-CBR35**

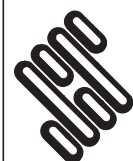
Test Date : **4.4.13**

Ground Level (m AOD): **30.39**

National Grid Co-ordinates: **E:341544.8 N:158927.5**



Notes: **Test conducted in ploughed field. Location: Sandford.**



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Hinkley to Seabank 400kV Connection						

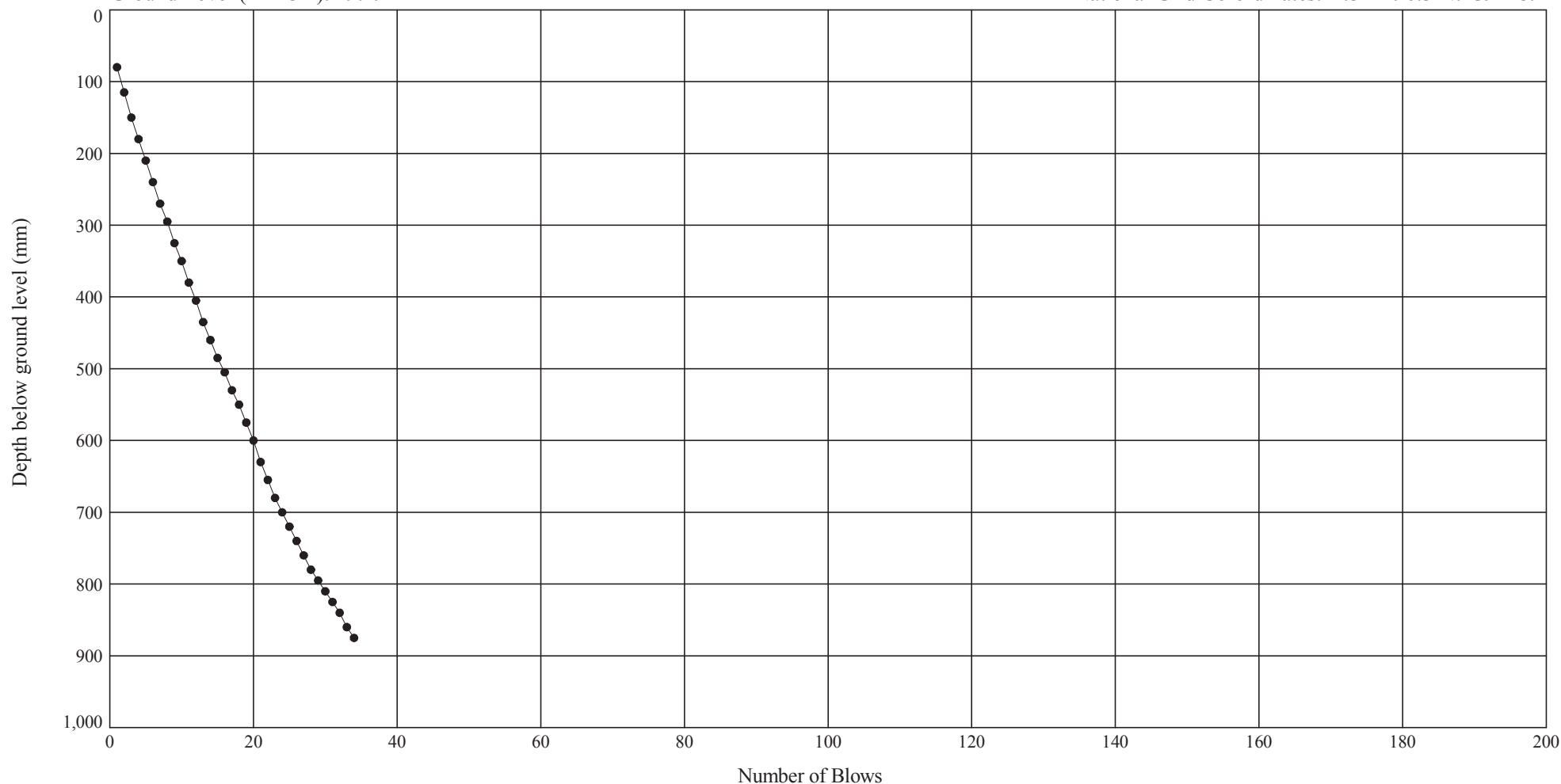
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **UG-CBR36**

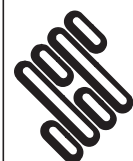
Test Date : **4.4.13**

Ground Level (m AOD): **29.49**

National Grid Co-ordinates: **E:341490.3 N:159118.1**



Notes: **Test conducted in pasture land. Location: Sandford.**



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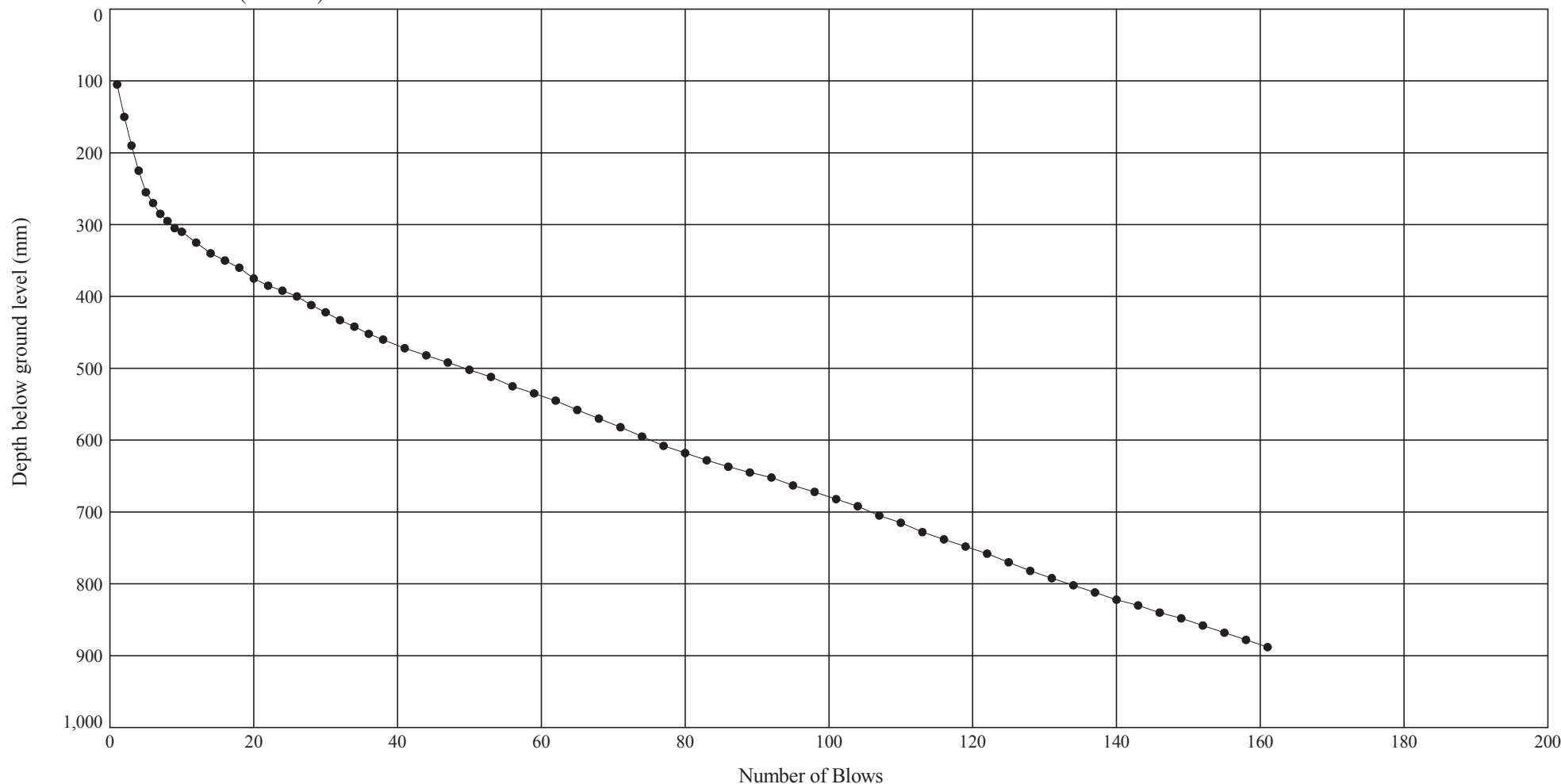
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **UG-CBR37**

Test Date : **4.4.13**

Ground Level (m AOD): **25.14**

National Grid Co-ordinates: **E:341453.6 N:159313.0**



Notes: **Test conducted in pasture land. Location: Sandford.**



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Contract	<div>Hinkley to Seabank 400kV Connection</div>				

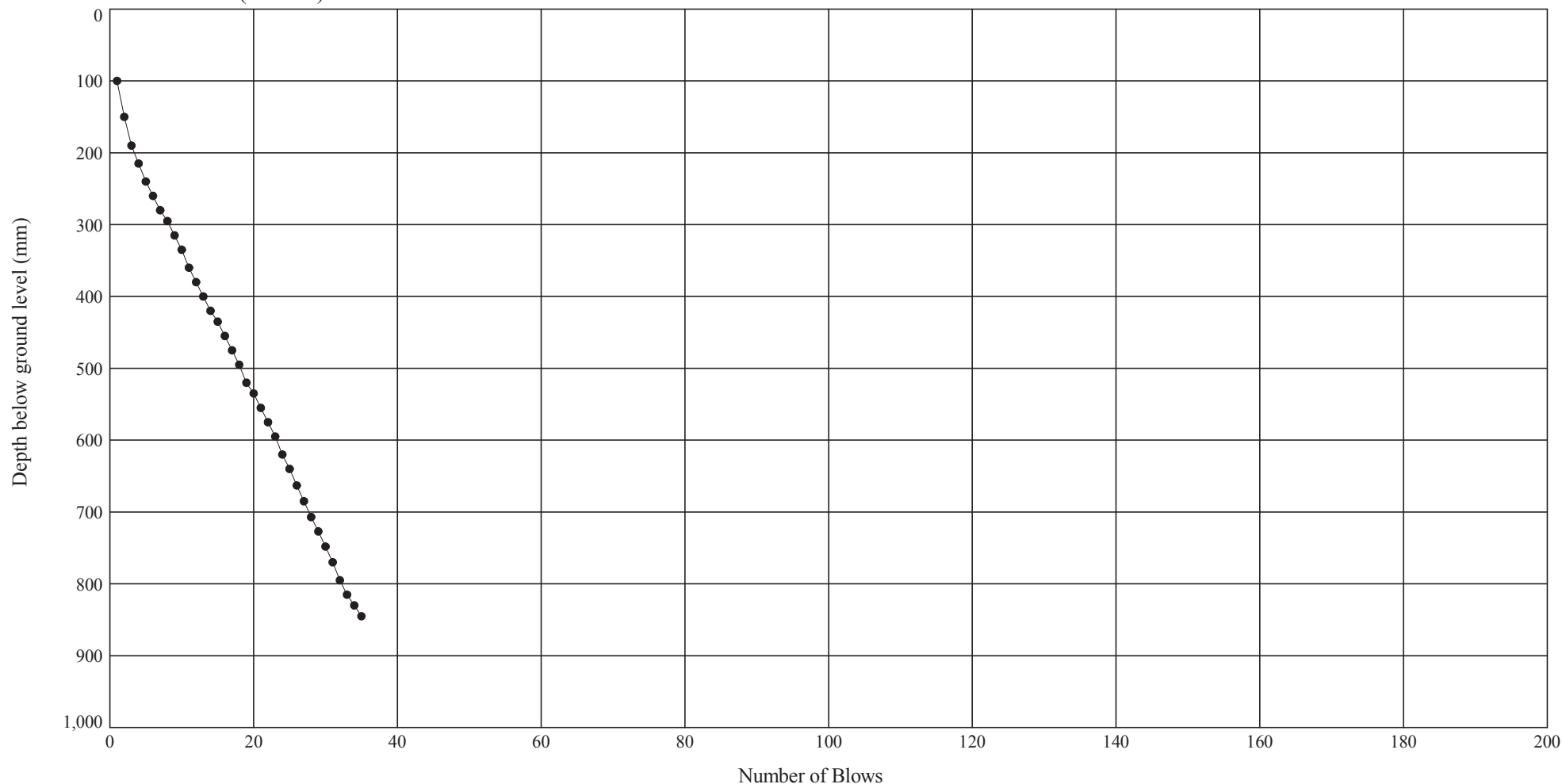
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **UG-CBR38**

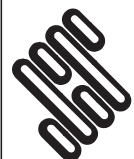
Test Date : **4.4.13**

Ground Level (m AOD): **11.64**

National Grid Co-ordinates: **E:341354.1 N:159487.5**



Notes: **Test conducted in pasture land. Location: Sandford.**



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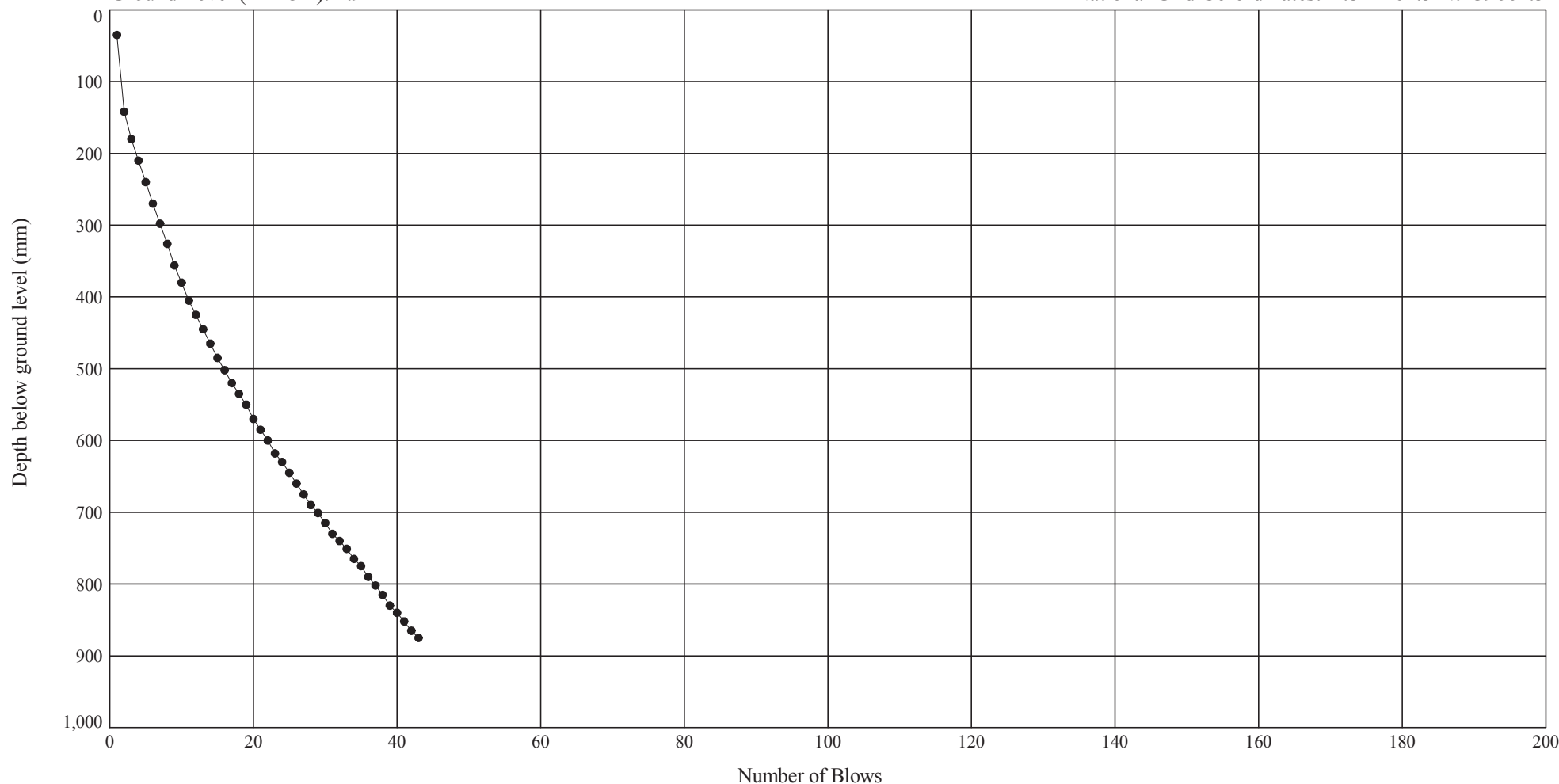
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **UG-CBR39**

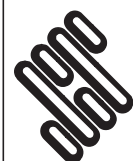
Test Date : **4.4.13**

Ground Level (m AOD): **7.94**

National Grid Co-ordinates: **E:341267.3 N:159667.3**



Notes: **Test conducted in pasture land. Location: Sandford.**



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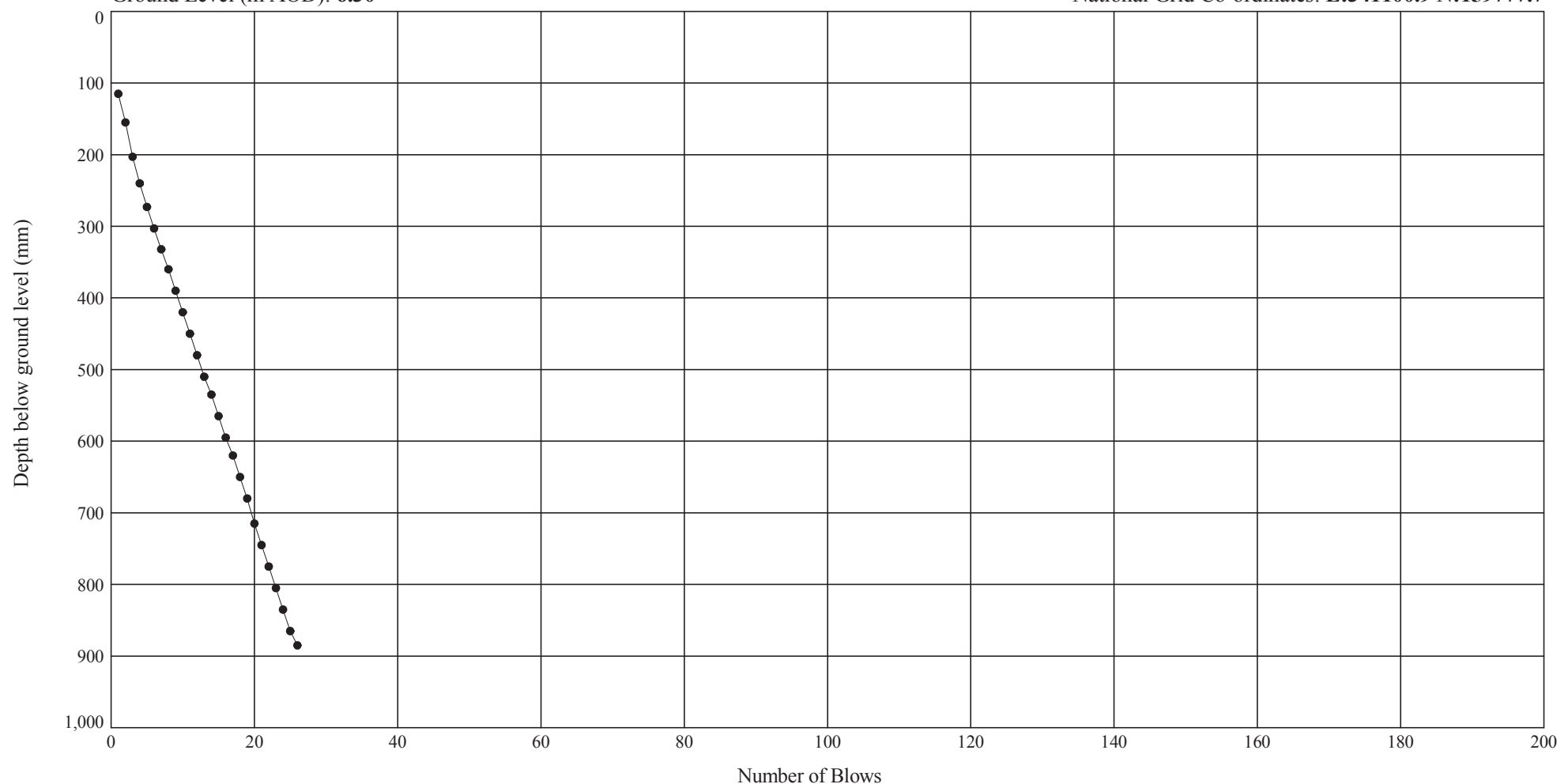
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **UG-CBR40**

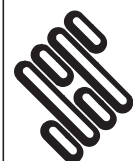
Test Date : **4.4.13**

Ground Level (m AOD): **6.30**

National Grid Co-ordinates: **E:341100.9 N:159777.7**



Notes: **Test conducted in pasture land. Location: Sandford.**



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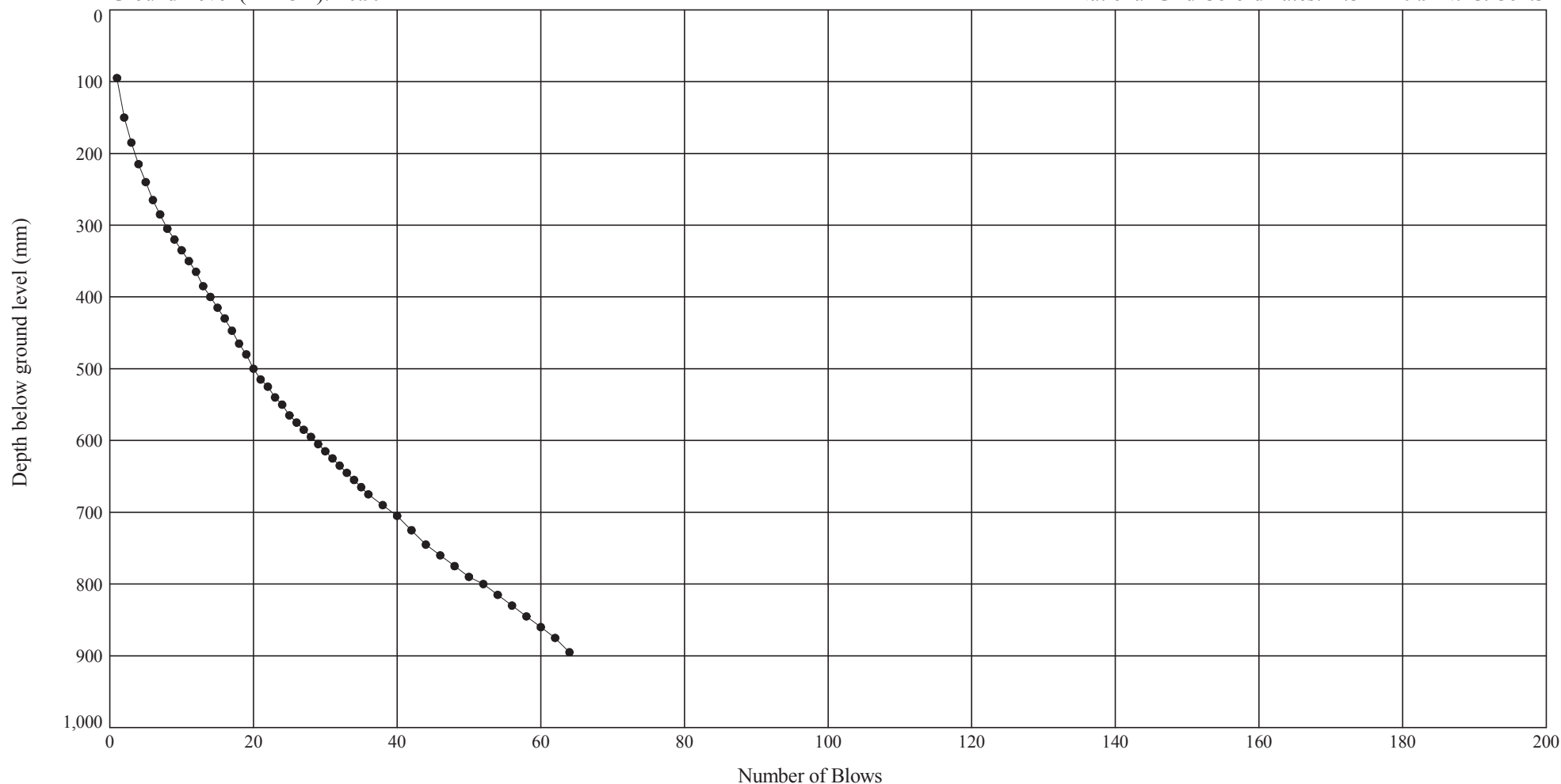
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **UG-CBR41**

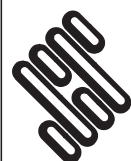
Test Date : **4.4.13**

Ground Level (m AOD): **10.99**

National Grid Co-ordinates: **E:341219.9 N:159867.3**



Notes: **Test conducted in pasture land. Location: Sandford.**



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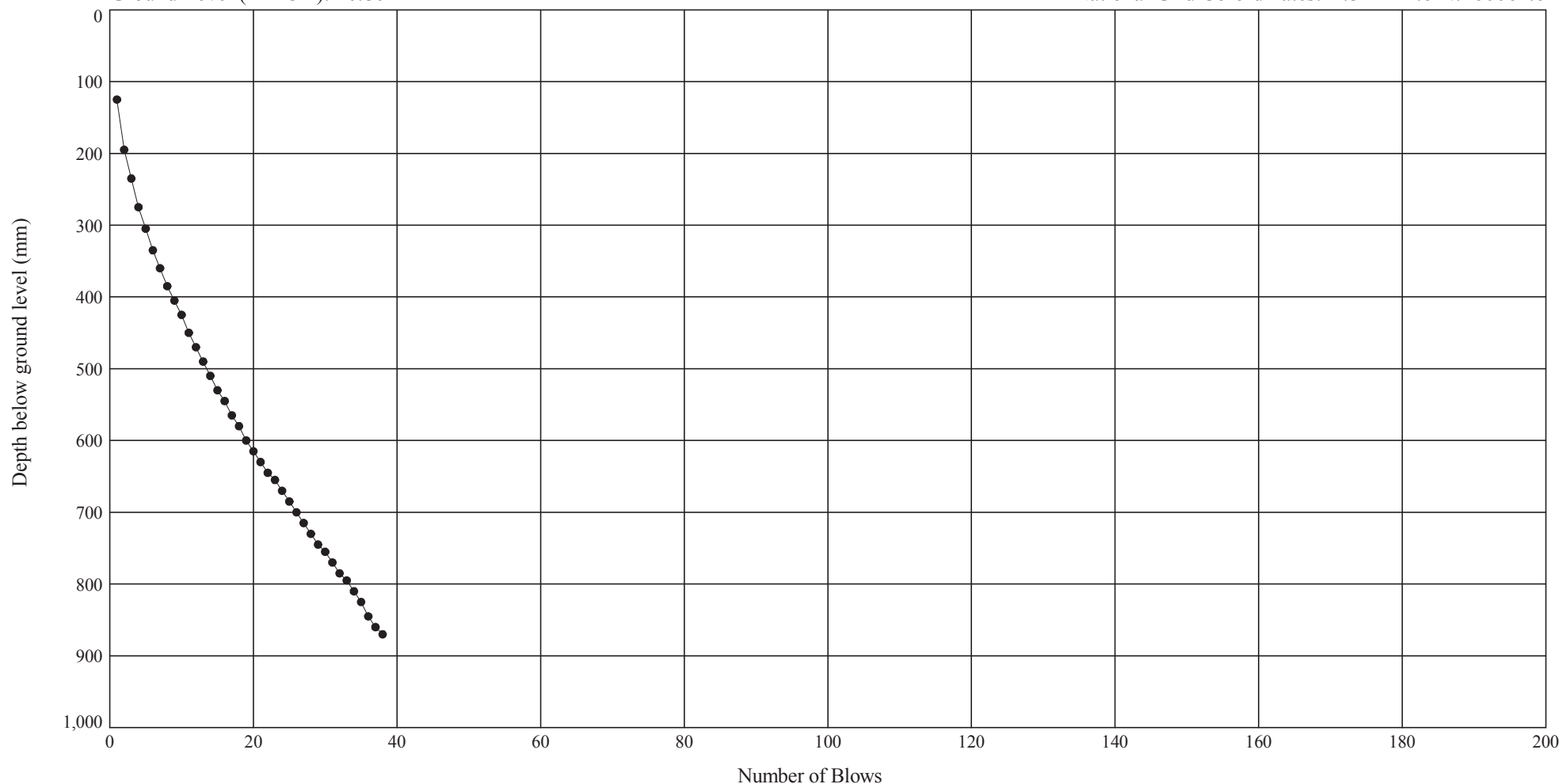
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **UG-CBR42**

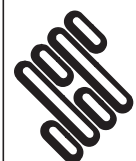
Test Date : **5.4.13**

Ground Level (m AOD): **10.80**

National Grid Co-ordinates: **E:341242.6 N:160062.6**



Notes: **Test conducted in pasture land. Location: Sandford.**



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Contract Hinkley to Seabank 400kV Connection								

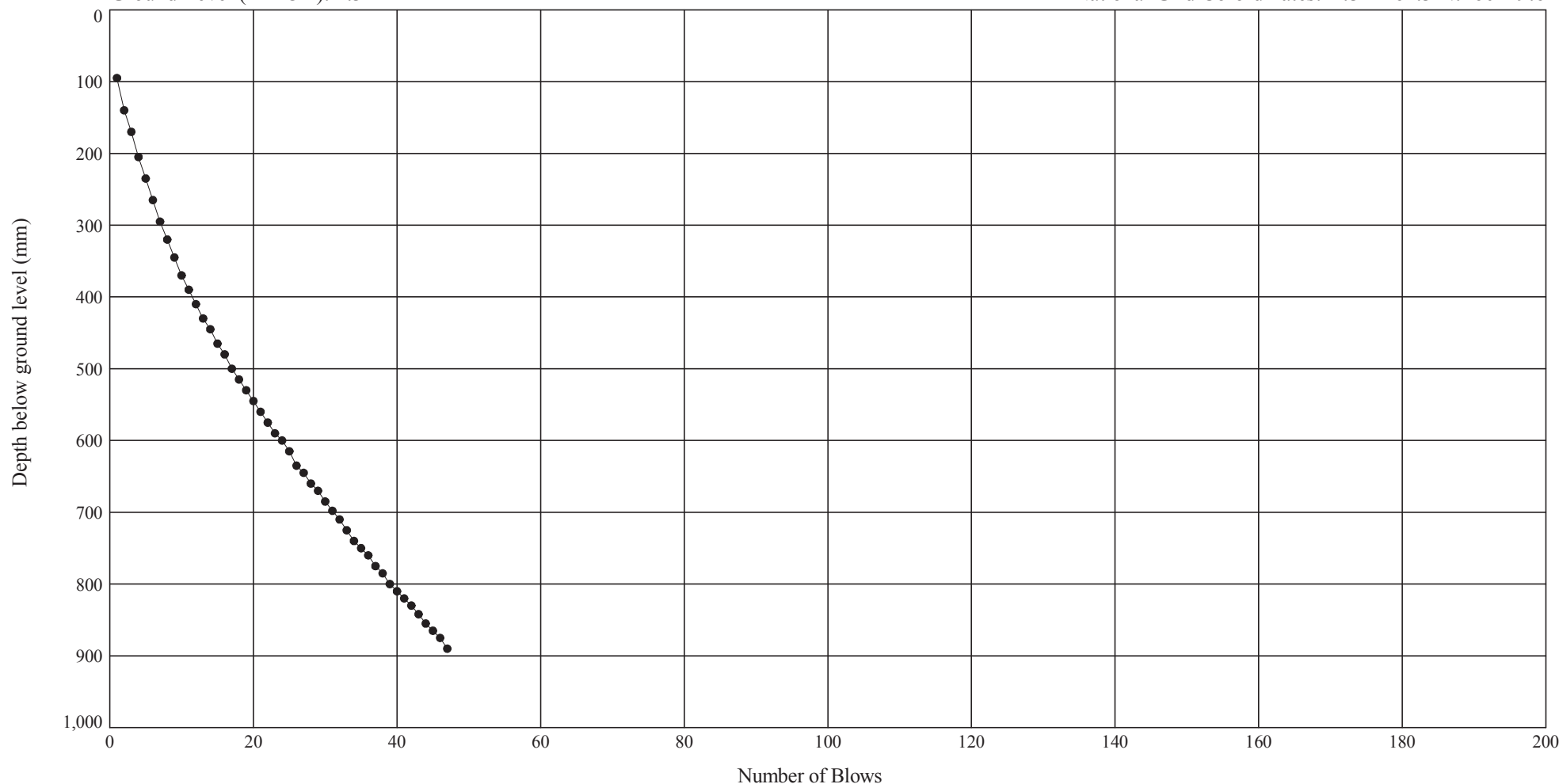
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **UG-CBR43**

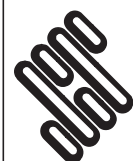
Test Date : **5.4.13**

Ground Level (m AOD): **7.32**

National Grid Co-ordinates: **E:341262.3 N:160249.6**



Notes: **Test in conducted pasture land. Location: Sandford.**



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Contract Hinkley to Seabank 400kV Connection						

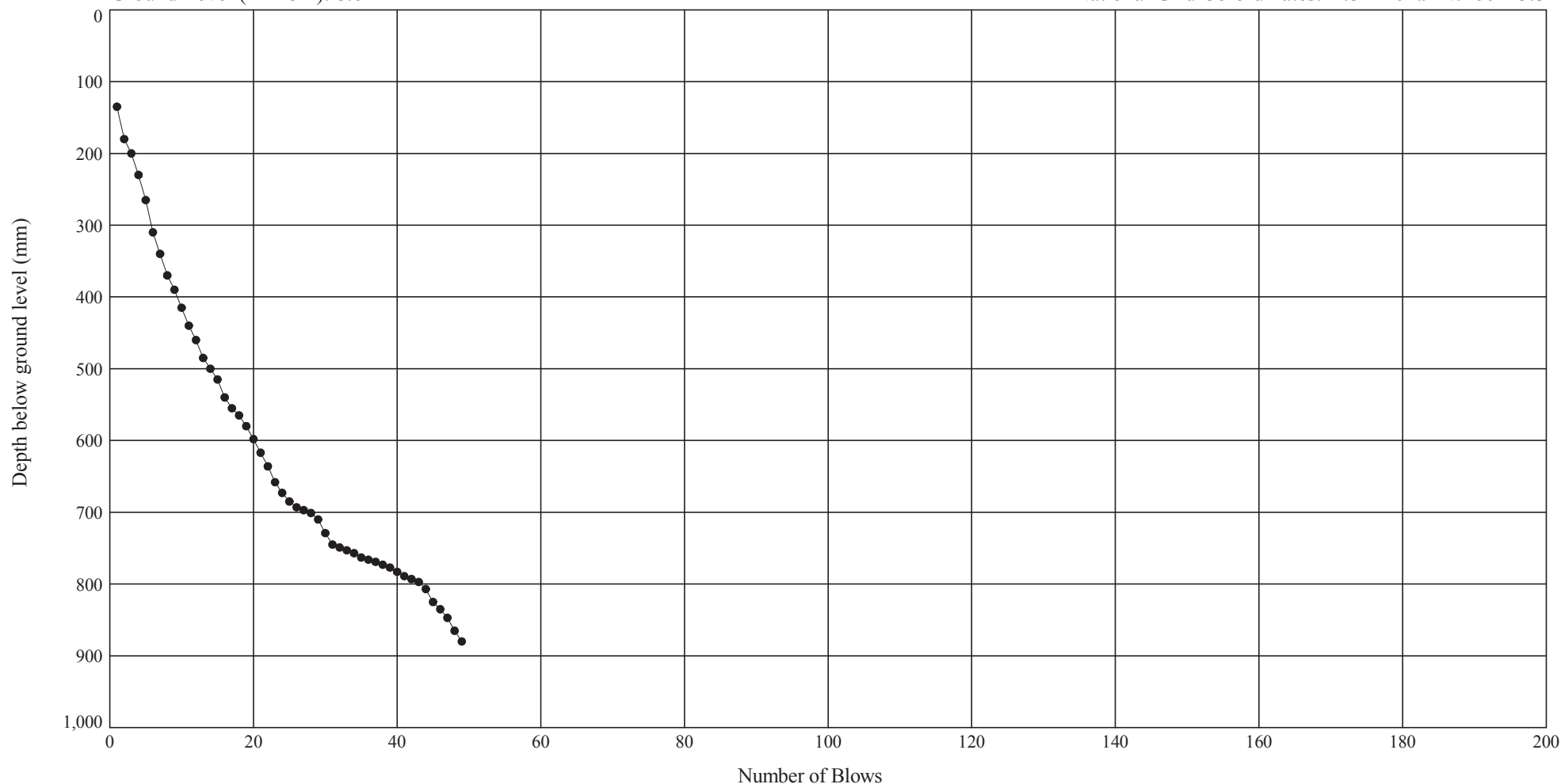
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **UG-CBR44**

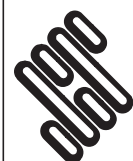
Test Date : **5.4.13**

Ground Level (m AOD): **8.64**

National Grid Co-ordinates: **E:341407.9 N:160423.5**



Notes: **Test conducted in pasture land. Location: Sandford.**



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Date

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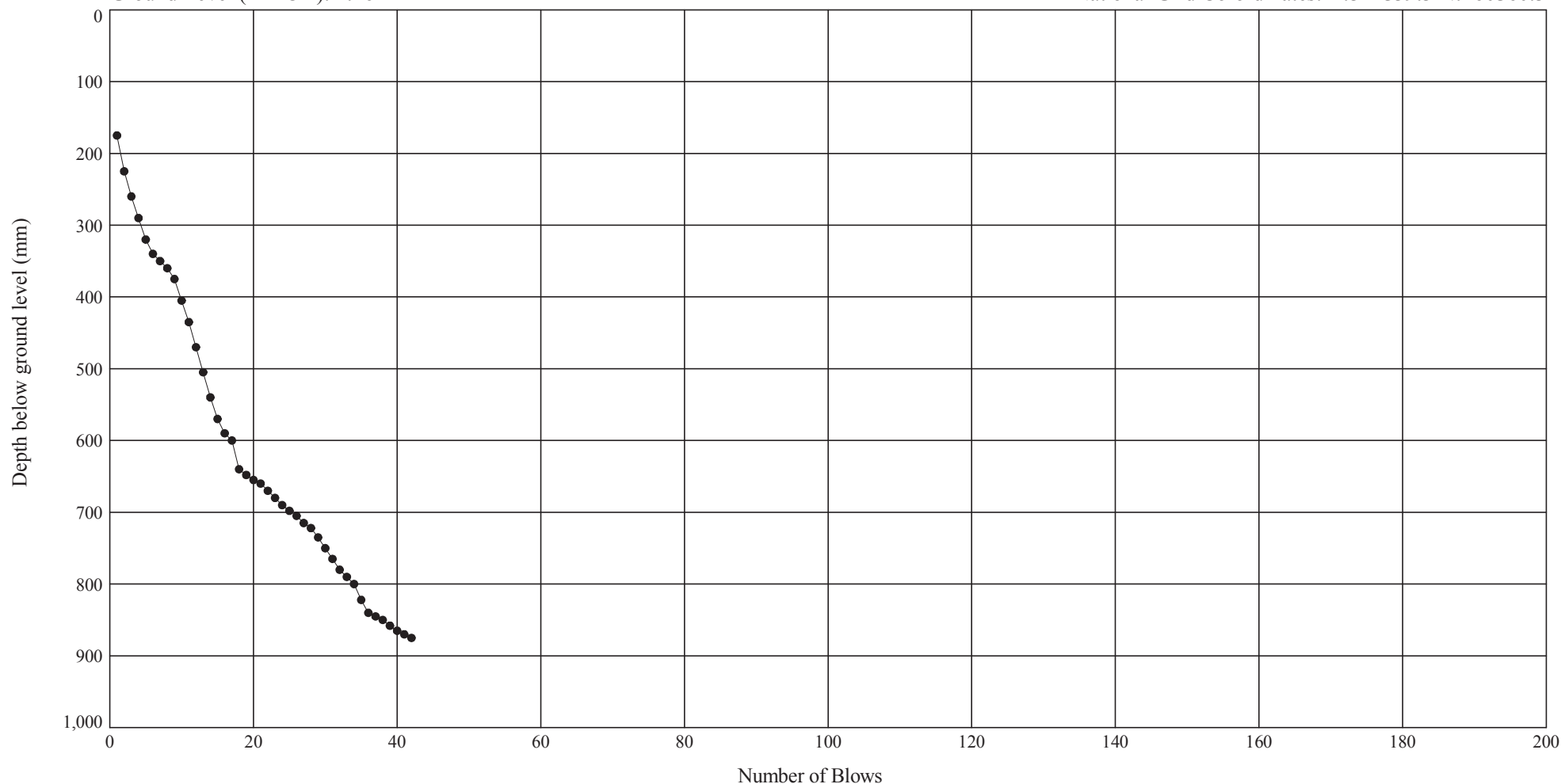
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Number : **UG-CBR45**

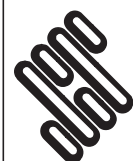
Test Date : **5.4.13**

Ground Level (m AOD): **7.46**

National Grid Co-ordinates: **E:341539.3 N:160560.3**



Notes: **Test conducted in pasture land. Location: Sandford (North Mendips Sealing End).**



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Contract	<div>Hinkley to Seabank 400kV Connection</div>					