

PHOTOGRAPHS

Project Number : PCI76880

Project : Coed Darcy



TP35 length



TP35 redig length

PHOTOGRAPHS

Project Number : PCI76880

Project : Coed Darcy



TP35 side



TP35 redig side

PHOTOGRAPHS

Project Number : PCI76880

Project : Coed Darcy



TP35 spoil



TP35 redig spoil

Trial Pit

Project **COED DARC**Y

Engineer

ATKINS LIMITED

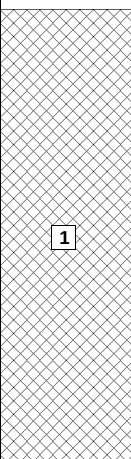
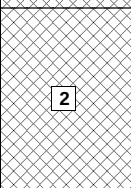
Trial Pit
Project No

TP36
PC176880

Client **ST MODWEN DEVELOPMENTS LIMITED**

National Grid Coordinates **270891.822 E**
195748.461 N

Ground Level **66.90** m OD

Samples and Tests				Strata	Scale 1:50			
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD	
				MADE GROUND: Brown and dark brown slightly sandy clayey gravel with a high cobble content of subangular to tabular sandstone. Gravel is angular to subrounded fine to coarse sandstone and brick. At 0.60m, tabular boulder of sandstone (0.55x0.32x0.16m) Below 1.10m, becoming grey and brown with a slight hydrocarbon odour.	G.L.		66.90	
				MADE GROUND: Brown and dark brown sandy slightly clayey gravel with a high cobble content of subangular and tabular sandstone. Gravel is subangular to subrounded fine to coarse sandstone and brick. Slight hydrocarbon odour.	3.00		63.90	
				End of Excavation	4.20		62.70	

Excavation				Groundwater		
Plant	Hyundai 145 LCR-9A	Width (B)	0.90	Depth Observed	Depth of Pit	Details
Date	11/10/2017	Length (C)	5.00			
Shoring	None.	Orientation	352 deg			None encountered during excavation
Stability	Unstable, constant sidewall collapse below 2.00m	Date Backfilled	11/10/2017			

Remarks	The Trial Pit was terminated at a depth of 4.20m on bedrock.
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Symbols and abbreviations are explained on the accompanying key sheet.

All dimensions are in metres.

Logged in accordance with BS5930:2015

Logged by **AJS**
 Checked by **DRB**
 Figure **1 of 1**
 08/12/2017

geotechnics

PHOTOGRAPHS

Project Number : PCI76880

Project : Coed Darcy



TP36 length



TP36 side

PHOTOGRAPHS

Project Number : PCI76880

Project : Coed Darcy



TP36 spoil

TRIAL PIT RECORD

Trial Pit

Project COED DARCY	Engineer ATKINS LIMITED	Trial Pit Project No TP37 PC176880
Client ST MODWEN DEVELOPMENTS LIMITED	National Grid Coordinates 270942.86 E 195608.363N	Ground Level 74.25 m OD

Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
				MADE GROUND: Dark brown sandy slightly clayey gravel with a high cobble content of angular to subangular sandstone and concrete. Gravel is angular to subangular fine to coarse sandstone, brick and concrete. Medium strong grey SANDSTONE, recovered as tabular and angular boulders (0.70 x 0.30 x 0.10m) End of Excavation	G.L. 0.30 0.50	 	74.25 73.95 73.75

Excavation				Groundwater		
Plant Kamatchi KX08	Width (B) 0.90	Depth Observed	Depth of Pit	Details		
Date 05/10/2017	Length (C) 4.00					
Shoring None.	Orientation 095 deg	None encountered during excavation				
Stability Stable during excavation.	Date Backfilled 05/10/2017					

Remarks  The Trial Pit was terminated at a depth of 0.50m in bedrock. Symbols and abbreviations are explained on the accompanying key sheet. All dimensions are in metres.	Logged by AJS Checked by DRB Figure 1 of 1 08/12/2017 
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PHOTOGRAPHS

Project Number : PCI76880

Project : Coed Darcy



TP37 length



TP37 side

PHOTOGRAPHS

Project Number : PCI76880

Project : Coed Darcy



TP37 spoil

Trial Pit

Project **COED DARC**Y

Engineer

ATKINS LIMITED

Trial Pit
Project No

TP38
PC176880

Client **ST MODWEN DEVELOPMENTS LIMITED**

National Grid	271005.579E
Coordinates	195642.045N

Ground Level **73.21** m OD

Samples and Tests				Strata	Scale 1:50				
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD		
				MADE GROUND: Dark brown sandy slightly clayey gravel with a high cobble content of angular sandstone. Gravel is angular to subangular fine to coarse sandstone, brick and ceramic. Medium strong dark brown and grey SANDSTONE, recovered as tabular and subangular boulders, largest being 0.7x0.5x0.15m in size. End of Excavation	G.L. 0.30 0.50	1 2	73.21 72.91 72.71		
Excavation				Groundwater					
Plant	Kamatchi KX08			Width (B)	0.90	Depth Observed	Depth of Pit	Details	
Date	05/10/2017			Length (C)	4.00				
Shoring	None.			Date Backfilled	05/10/2017			None encountered during excavation	
Stability	Stable during excavation.								
Remarks	The Trial Pit was terminated at a depth of 0.50m in bedrock.							Logged by	AJS
								Checked by	DRB
								Figure	1 of 1
Symbols and abbreviations are explained on the accompanying key sheet.							08/12/2017		
All dimensions are in metres.							geotechnics		
Logged in accordance with BS5930:2015									

PHOTOGRAPHS

Project Number : PCI76880

Project : Coed Darcy



TP38 length



TP38 side

PHOTOGRAPHS

Project Number : PCI76880

Project : Coed Darcy



TP38 spoil

TRIAL PIT RECORD

Trial Pit

Project **COED DARCY**

Engineer

ATKINS LIMITED

Trial Pit
Project No

TP42
PC176880

Client **ST MODWEN DEVELOPMENTS LIMITED**

National Grid
Coordinates **270974.956 E**
195571.282 N

Ground Level **75.70** m OD

Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
				MADE GROUND: Dark brown and blackish brown sandy slightly clayey gravel with a high cobble content of angular sandstone. Gravel is angular to subrounded fine to coarse sandstone, brick and quartzite. Weak to medium strong dark brown and grey SANDSTONE, recovered as tabular and subangular cobbles and boulders. End of Excavation	G.L. 0.20 0.60	1 2	75.70 75.50 75.10

Excavation				Groundwater		
Plant	Kamatchi KX08	Width (B)	0.90	Depth Observed	Depth of Pit	Details
Date	05/10/2017	Length (C)	4.00			
Shoring	None.	Orientation	005 deg			None encountered during excavation
Stability	Unstable sidewalls below 0.20m	Date Backfilled	05/10/2017			

Remarks	The Trial Pit was terminated at a depth of 0.60m in bedrock.					Logged by	AJS
						Checked by	DRB
						Figure	1 of 1
							08/12/2017

Symbols and abbreviations are explained on the accompanying key sheet.

All dimensions are in metres.

Logged in accordance with BS5930:2015

geotechnics

PHOTOGRAPHS

Project Number : PCI76880

Project : Coed Darcy



TP42 length



TP42 side

PHOTOGRAPHS

Project Number : PCI76880

Project : Coed Darcy



TP42 spoil

TRIAL PIT RECORD

Trial Pit

Project COED DARCY	Engineer ATKINS LIMITED	Trial Pit Project No TP43 PC176880
Client ST MODWEN DEVELOPMENTS LIMITED	National Grid Coordinates 271162.219E 195822.145N	Ground Level 61.49 m OD

Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
				MADE GROUND: Brown sandy clayey gravel with a high cobble content of subangular sandstone and brick. Gravel is angular to subrounded fine to coarse sandstone, brick, concrete, quartzite, metal, ceramic and wood. Below 0.50m, occasional pockets up to 50mm in size of soft grey clay with a strong hydrocarbon odour. At 0.60m, large disused metal pipe (2.00 x 0.10 x 0.10m)	G.L.	1	61.49
				Medium strong dark grey and greyish brown SANDSTONE, recovered as angular to subangular tabular and subangular boulders.	1.50	2	59.99
				End of Excavation	1.80		59.69

Excavation				Groundwater		
Plant Kamatchi KX08	Width (B) 0.90	Depth Observed	Depth of Pit	Details		
Date 05/10/2017	Length (C) 4.10					
Shoring None.	Orientation 088 deg	None encountered during excavation				
	Date Backfilled 05/10/2017					
Stability Stable during excavation.						

Remarks  The Trial Pit was terminated at a depth of 1.80m in bedrock.	Logged by ATS Checked by DRB Figure 1 of 1 08/12/2017 
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Symbols and abbreviations are explained on the accompanying key sheet.

All dimensions are in metres. Logged in accordance with BS5930:2015

PHOTOGRAPHS

Project Number : PCI76880

Project : Coed Darcy



TP43 length



TP43 side

PHOTOGRAPHS

Project Number : PCI76880

Project : Coed Darcy



TP43 spoil

Trial Pit

Project **COED DARC**Y

Engineer

ATKINS LIMITED

Trial Pit
Project No

TP44
PC176880

Client **ST MODWEN DEVELOPMENTS LIMITED**

National Grid Coordinates **271264.37 E**
 195871.038 N

Ground Level **54.21** m OD

Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
				MADE GROUND: Brown and dark brown slightly sandy clayey gravel with a high cobble content of angular to subangular sandstone. Gravel is angular to subrounded fine to coarse sandstone, brick, concrete and ceramic. Below 0.10m, frequent pockets up to 30mm in size of soft brown sandy gravelly clay Below 0.20m, Slight hydrocarbon odour At 0.80m , tabular sandstone boulder (0.60 x 0.30 x 0.10m) Below 1.00m, angular and subangular sandstone gravel At 2.50m, subangular sandstone boulder (0.50 x 0.40 x 0.15m)	G.L.	1	54.21
				End of Excavation	4.50		49.71
Excavation				Groundwater			
Plant	Hyundai 145 LCR-9A		Width (B)	0.90	Depth Observed	Depth of Pit	Details
Date	06/10/2017		Length (C)	5.00			None encountered during excavation
Shoring	None.		Orientation	280 deg			
Stability	Unstable, sidewall collapse below 0.80m		Date Backfilled	06/10/2017			
Remarks  The Trial Pit was terminated at a depth of 5.00m on the instruction of the Engineer.							
Symbols and abbreviations are explained on the accompanying key sheet.							
All dimensions are in metres.							
Logged in accordance with BS5930:2015							
						Logged by AJS Checked by DRB Figure 1 of 1 08/12/2017	
							

PHOTOGRAPHS

Project Number : PCI76880

Project : Coed Darcy



TP44 length



TP44 side

PHOTOGRAPHS

Project Number : PCI76880

Project : Coed Darcy



TP44 redig length



TP44 redig spoil

TRIAL PIT RECORD

Trial Pit

Project COED DARCY	Engineer ATKINS LIMITED	Trial Pit Project No TP45 PC176880
Client ST MODWEN DEVELOPMENTS LIMITED	National Grid Coordinates 271126.446 E 195900.038 N	Ground Level 60.12 m OD

Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
				MADE GROUND: Soft dark brown and brown slightly sandy gravelly clay with a low to medium cobble content of subangular sandstone and concrete. Gravel is angular to subangular fine to coarse sandstone, brick and concrete. MADE GROUND: Soft dark brown slightly gravelly sandy clay with a low cobble content of subrounded sandstone. Gravel is subangular to subrounded fine to coarse sandstone. At 1.50m subrounded sandstone boulder (0.40 x 0.32 x 0.10m). Between 2.50-3.50m, a low to a medium cobble content of subrounded sandstone.	G.L. 0.40 5.00	1 2	60.12 59.72 55.12
				End of Excavation			

Excavation				Groundwater		
Plant	Hyundai 145 LCR-9A	Width (B)	0.90	Depth Observed	Depth of Pit	Details
Date	12/10/2017	Length (C)	5.00			
Shoring	None.	Orientation	300 deg			None encountered during excavation
Stability	Stable during excavation.	Date Backfilled	12/10/1720			

Remarks  The Trial Pit was terminated at a depth of 5.00m on the instruction of the Engineer.	Logged by SI Checked by DRB Figure 1 of 1 08/12/2017
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Symbols and abbreviations are explained on the accompanying key sheet.

All dimensions are in metres.



Logged in accordance with BS5930:2015

PHOTOGRAPHS

Project Number : PCI76880

Project : Coed Darcy



TP45 length



TP45 side

PHOTOGRAPHS

Project Number : PCI76880

Project : Coed Darcy

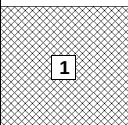
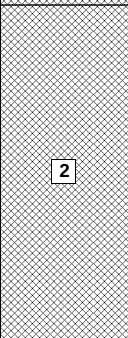


TP45 spoil

TRIAL PIT RECORD

Trial Pit

Project	COED DARCY	Engineer	ATKINS LIMITED	Trial Pit Project No	TP46 PC176880
Client	ST MODWEN DEVELOPMENTS LIMITED	National Grid Coordinates	271085.862E 195929.853N	Ground Level	60.33 m OD

Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
				MADE GROUND: Soft dark brown and brown slightly sandy slightly gravelly clay with a low cobble content of subangular sandstone. Gravel is angular to subangular fine to coarse sandstone, brick and concrete.	G.L.		60.33
				MADE GROUND: Soft dark brown slightly gravelly sandy clay with a low cobble content of subrounded sandstone. Gravel is subangular to subrounded fine to coarse sandstone.	0.80		59.53
				At 1.80m, subrounded sandstone boulder (0.60 x 0.4 x 0.30m).			
				End of Excavation	3.00		57.33

Excavation				Groundwater		
Plant	Hyundai 145 LCR-9A	Width (B)	0.90	Depth Observed	Depth of Pit	Details
Date	12/10/2017	Length (C)	4.30			
Shoring	None.	Orientation	102 deg			None encountered during excavation
Stability	Stable during excavation.	Date Backfilled	12/10/1720			

Remarks	The Trial Pit was terminated at a depth of 3.00m on possible bedrock.					Logged by	SI
Symbols and abbreviations are explained on the accompanying key sheet.						Checked by	DRB
						Figure	1 of 1
							08/12/2017
						geotechnics	
All dimensions are in metres.	Logged in accordance with BS5930:2015						

PHOTOGRAPHS

Project Number : PCI76880

Project : Coed Darcy



TP46 length



TP46 side

PHOTOGRAPHS

Project Number : PCI76880

Project : Coed Darcy

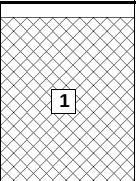


TP46 spoil

TRIAL PIT RECORD

Trial Pit

Project **COED DARCY** Engineer **ATKINS LIMITED** Trial Pit **TP47**
 Project No **PC176880**
 Client **ST MODWEN DEVELOPMENTS LIMITED** National Grid Coordinates **271099.138 E**
195979.983 N Ground Level **59.06** m OD

Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
				MADE GROUND: Dark brown and grey slightly sandy slightly clayey gravel with a high cobble content of subangular sandstone. Gravel is subangular to subrounded fine to coarse sandstone. Below 0.50m, with occasional pockets up to 10mm in size of clay. At 1.10m, sandstone bedrock. End of Excavation	G.L. 1.10	 1	59.06 57.96

Excavation				Groundwater		
Plant	Hyundai 145 LCR-9A			Width (B)	0.90	None encountered during excavations
Date	12/10/2017			Length (C)	4.00	
Shoring	None.			Orientation	178 deg	
Stability	Stable during excavation.			Date Backfilled	11/10/2017	

Remarks  The Trial Pit was terminated at a depth of 1.10m on possible bedrock.

Symbols and abbreviations are explained on the accompanying key sheet.

All dimensions are in metres.

Logged in accordance with BS5930:2015

Logged by **SI**
 Checked by **DRB**
 Figure **1 of 1**
 08/12/2017



PHOTOGRAPHS

Project Number : PCI76880

Project : Coed Darcy



TP47 length



TP47 side

PHOTOGRAPHS

Project Number : PCI76880

Project : Coed Darcy



TP47 spoil

TRIAL PIT RECORD

Trial Pit

Project **COED DARCY**

Engineer

ATKINS LIMITED

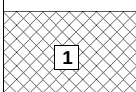
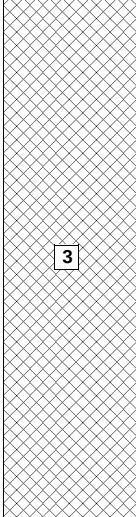
Trial Pit
Project No

TP48
PC176880

Client **ST MODWEN DEVELOPMENTS LIMITED**

National Grid
Coordinates **271195.198 E**
195981.913 N

Ground Level **51.59** m OD

Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
				MADE GROUND: Brown slightly sandy clayey gravel with a medium cobble content of subangular to subrounded sandstone. Gravel is subangular to subrounded fine to coarse sandstone	G.L.		51.59
				MADE GROUND: Soft grey and brownish grey slightly gravelly sandy clay with a high cobble content of subrounded sandstone. Gravel is angular and subrounded fine to coarse of sandstone.	0.60		50.99
				MADE GROUND: Firm dark grey and grey slightly gravelly sandy clay with medium cobble content of subrounded sandstone. Gravel is angular and subrounded fine to coarse sandstone. At 1.60m, subangular sandstone boulder (0.60 x 1.00 x 0.50m)	1.20		50.39
				End of Excavation	4.70		46.89

Excavation				Groundwater		
Plant	Hyundai 145CCR-9A	Width (B)	0.90	Depth Observed	Depth of Pit	Details
Date	13/10/2017	Length (C)	5.50	0.50		Perched water.
Shoring	None.	Orientation	044 deg			
Stability	Stable during excavation.	Date Backfilled	13/10/2017			

Remarks	The Trial Pit was terminated at a depth of 4.70m on possible bedrock.					
Symbols and abbreviations are explained on the accompanying key sheet.						
All dimensions are in metres.						
Logged in accordance with BS5930:2015						
						Logged by Checked by Figure
						AJS DRB 1 of 1 08/12/2017
						

PHOTOGRAPHS

Project Number : PCI76880

Project : Coed Darcy



TP48 length



TP48 side

PHOTOGRAPHS

Project Number : PCI76880

Project : Coed Darcy



TP48 spoil

TRIAL PIT RECORD

Trial Pit

Project **COED DARCY**

Engineer

ATKINS LIMITED

Trial Pit

TP49

Project No

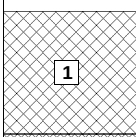
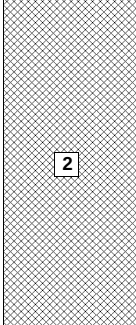
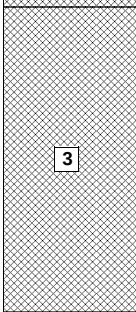
PC176880

Client **ST MODWEN DEVELOPMENTS LIMITED**

National Grid
Coordinates

**271154.242E
196072.596N**

Ground Level **50.14** m OD

Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
				MADE GROUND: Grey sandy slightly clayey gravel with a high cobble content of subangular to subrounded sandstone, concrete and brick. Gravel is angular and subangular fine to coarse brick, concrete and sandstone. Below 0.10m, slight hydrocarbon odour.	G.L.		50.14
				MADE GROUND: Soft brownish grey and brown slightly gravelly sandy clay with a medium cobble content of subangular to subrounded sandstone. Gravel is subangular to subrounded sandstone. Slight hydrocarbon odour. Below 1.50m, high cobble content of subangular sandstone. Below 2.20m, becoming gravelly.	0.80		49.34
				MADE GROUND: Firm to stiff dark grey and grey slightly gravelly sandy clay with a high cobble content at subrounded sandstone and a slight hydrocarbon odour. Gravel is subangular to subrounded fine to coarse sandstone.	3.00		47.14
				End of Excavation	5.00		45.14

Excavation				Groundwater		
Plant	Hyundai 145 LCCR-9A	Width (B)	0.90	Depth Observed	Depth of Pit	Details
Date	12/10/2017	Length (C)	4.00	0.50	1.00	Slow inflow.
Shoring	None.	Orientation	210 deg			
Stability	Stable during excavation.	Date Backfilled	12/10/2017			

Remarks	The Trial Pit was terminated at a depth of 5.00m on the instruction of the Engineer.					Logged by	AJS
Symbols and abbreviations are explained on the accompanying key sheet.						Checked by	DRB
All dimensions are in metres.						Figure	1 of 1
							08/12/2017
							

PHOTOGRAPHS

Project Number : PCI76880

Project : Coed Darcy



TP49 length



TP49 length and spoil

TRIAL PIT RECORD

Trial Pit

Project **COED DARCY**

Engineer

ATKINS LIMITED

Trial Pit
Project No

TP50
PC176880

Client **ST MODWEN DEVELOPMENTS LIMITED**

National Grid
Coordinates **271089.86 E**
196019.63 N

Ground Level **59.18** m OD

Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
				MADE GROUND: Brown slightly sandy clayey gravel with a high cobble content of subangular to subrounded sandstone and concrete. Gravel is angular to subrounded fine to coarse sandstone, brick and concrete. MADE GROUND: Firm greyish brown and dark grey slightly sandy gravelly clay with a medium cobble content of subangular to subrounded sandstone. Gravel is subangular to subrounded fine to coarse sandstone. Slight hydrocarbon odour. At 0.60m, subangular concrete boulder with brick cemented to it (1.00 x 0.60 x 0.70m). Below 2.00m, becoming slightly gravelly. MADE GROUND: Firm grey and dark grey occasional orangish brown slightly sandy gravelly clay with a medium cobble content of subrounded sandstone. Gravel is subangular to subrounded fine to coarse sandstone. Slight hydrocarbon odour. End of Excavation	G.L. 0.50 2.60 5.00	1 2 3	59.18 58.68 56.58 54.18

Excavation				Groundwater		
Plant	Hyundai 145 LCR-9A	Width (B)	0.90	Depth Observed	Depth of Pit	Details
Date	13/10/2017	Length (C)	5.00			
Shoring	None.	Orientation	194 deg			None encountered during excavation
Stability	Stable during excavation.	Date Backfilled	13/10/2017			

Remarks		The Trial Pit was terminated at a depth of 5.00m on the instruction of the Engineer.		Logged by	AJS
				Checked by	DRB
				Figure	1 of 1
					08/12/2017
Symbols and abbreviations are explained on the accompanying key sheet.					
All dimensions are in metres.		Logged in accordance with BS5930:2015			

PHOTOGRAPHS

Project Number : PCI76880

Project : Coed Darcy



TP50 length



TP50 side

PHOTOGRAPHS

Project Number : PCI76880

Project : Coed Darcy

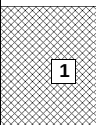
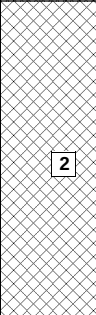


TP50 spoil

TRIAL PIT RECORD

Trial Pit

Project **COED DARCY** Engineer **ATKINS LIMITED** Trial Pit **TP51**
 Project No **PC176880**
 Client **ST MODWEN DEVELOPMENTS LIMITED** National Grid Coordinates **271291.044 E**
195767.862 N Ground Level **61.49** m OD

Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
				MADE GROUND: Grass over soft brown slightly sandy gravelly clay. Gravel is angular to subrounded fine to coarse sandstone, brick and wood.	G.L.		61.49
				MADE GROUND: Grey and dark grey slightly sandy clayey gravel with a high cobble content of angular to subangular sandstone and brick. Gravel is angular to subrounded fine to coarse sandstone, brick, metal, concrete and ceramic. Slight hydrocarbon odour. Below 1.50m, becoming very clayey.	0.85		60.64
				End of Excavation	3.00		58.49

Excavation				Groundwater		
Plant	Hyundai 145 LCR-9A	Width (B)	0.90	Depth Observed	Depth of Pit	Details
Date	10/10/2017	Length (C)	5.00	1.00	2.00	Perched water
Shoring	None.	Orientation	005 deg			
Stability	Unstable, constant sidewall collapse	Date Backfilled	10/10/2017			

Remarks  The Trial Pit was terminated at a depth of 3.00m due to instability of the pit sides.

Symbols and abbreviations are explained on the accompanying key sheet.

All dimensions are in metres.

Logged in accordance with BS5930:2015

Logged by **AJS**
 Checked by **DRB**
 Figure **1 of 1**
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PHOTOGRAPHS

Project Number : PCI76880

Project : Coed Darcy



TP51 length



TP51 side

PHOTOGRAPHS

Project Number : PCI76880

Project : Coed Darcy



TP51 spoil

TRIAL PIT RECORD

Trial Pit

Project **COED DARCY**

Engineer

ATKINS LIMITED

Trial Pit

TP53

Project No

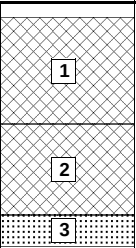
PC176880

Client **ST MODWEN DEVELOPMENTS LIMITED**

National Grid
Coordinates

**271406.689E
195809.811N**

Ground Level **51.27** m OD

Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
				MADE GROUND: Brown and dark brown sandy slightly clayey gravel with a high cobble content of subangular and tabular sandstone and brick. Gravel is angular to subangular fine to coarse brick and sandstone. Below 0.50m, slight hydrocarbon odour. MADE GROUND: Grey and dark grey sandy slightly clayey gravel with a high cobble content of subangular sandstone, brick and hydrocarbon odour. Gravel is angular to subrounded fine to coarse sandstone and brick. Medium strong grey SANDSTONE, recovered as subangular and tabular cobbles. End of Excavation	G.L. 0.70 1.30 1.50		51.27 50.57 49.97 49.77

Excavation				Groundwater		
Plant	Hyundai 145 LCR-9A	Width (B)	0.90	Depth Observed	Depth of Pit	Details
Date	11/10/2017	Length (C)	5.30			
Shoring	None.	Orientation	092 deg			None encountered during excavation
Stability	Stable during excavation.	Date Backfilled	11/10/2017			

Remarks		The Trial Pit was terminated at a depth of 1.50m in bedrock.		Logged by		AJS
				Checked by		DRB
				Figure		1 of 1
						08/12/2017
Symbols and abbreviations are explained on the accompanying key sheet.				geotechnics		
All dimensions are in metres.		Logged in accordance with BS5930:2015				

PHOTOGRAPHS

Project Number : PCI76880

Project : Coed Darcy



TP53 length



TP53 side

PHOTOGRAPHS

Project Number : PCI76880

Project : Coed Darcy



TP53 spoil

APPENDIX 6

Dynamic Cone Test Results

DATA SHEET - Symbols and Abbreviations used on Records



Sample Types

B	Bulk disturbed sample
BLK	Block sample
C	Core sample
D	Small disturbed sample (tub/jar)
E	Environmental test sample
ES	Environmental soil sample
EW	Environmental water sample
G	Gas sample
L	Liner sample
LB	Large bulk disturbed sample
P	Piston sample (PF - failed P sample)
TW	Thin walled push in sample
U	Open Tube - 102mm diameter with blows to take sample. (UF - failed U sample)
UT	Thin wall open drive tube sampler - 102mm diameter with blows to take sample. (UTF - failed UT sample)
V	Vial sample
W	Water sample
#	Sample Not Recovered

Insitu Testing / Properties

CBRP	CBR using TRL probe
CHP	Constant Head Permeability Test
COND	Electrical conductivity
TC	Thermal Conductivity
TR	Thermal Resistivity
HV	Strength from Hand Vane
ICBR	CBR Test
IDEN	Density Test
IRES	Resistivity Test
MEX	CBR using Mexecon Probe Test
PKR	Packer Permeability Test
PLT	Plate Load Test
PP	Strength from Pocket Penetrometer
Temp	Temperature
VHP	Variable Head Permeability Test
VN	Strength from Insitu Vane
w%	Water content
(All other strengths from undrained triaxial testing)	
S	Standard Penetration Test (SPT)
C	SPT with cone
N	SPT Result
-/-	Blows/penetration (mm) after seating drive
-*/- (mm)	Total blows/penetration
()	Extrapolated value

Groundwater

Water Strike	
Depth Water Rose To	

Instrumentation

Seal

Filter

Seal

Strata

Made Ground Granular
Made Ground Cohesive
Topsoil
Cobbles and Boulders
Gravel
Sand
Silt
Clay
Peat

Note: Composite soil types shown by combined symbols

Chalk

Limestone

Sandstone

Coal

Strata, Continued

Mudstone

Siltstone

Metamorphic Rock

Fine Grained

Medium Grained

Coarse Grained

Igneous Rock

Fine Grained

Medium Grained

Coarse Grained

Backfill Materials

Arisings

Bentonite Seal

Concrete

Fine Gravel Filter

General Fill

Gravel Filter

Grout

Sand Filter

Tarmacadam

Rotary Core

RQD Rock Quality Designation (% of intact core >100mm)

FRACTURE INDEX

Fractures/metre

FRACTURE Maximum

SPACING (m) Minimum

NI Non-intact core

NR No core recovery

AZCL Assumed zone of core loss

(where core recovery is unknown it is assumed to be at the base of the run)

In Situ Testing - Dynamic Cone Penetration Test

Project COED DARCY
Client ST MODWEN DEVELOPMENTS LIMITED

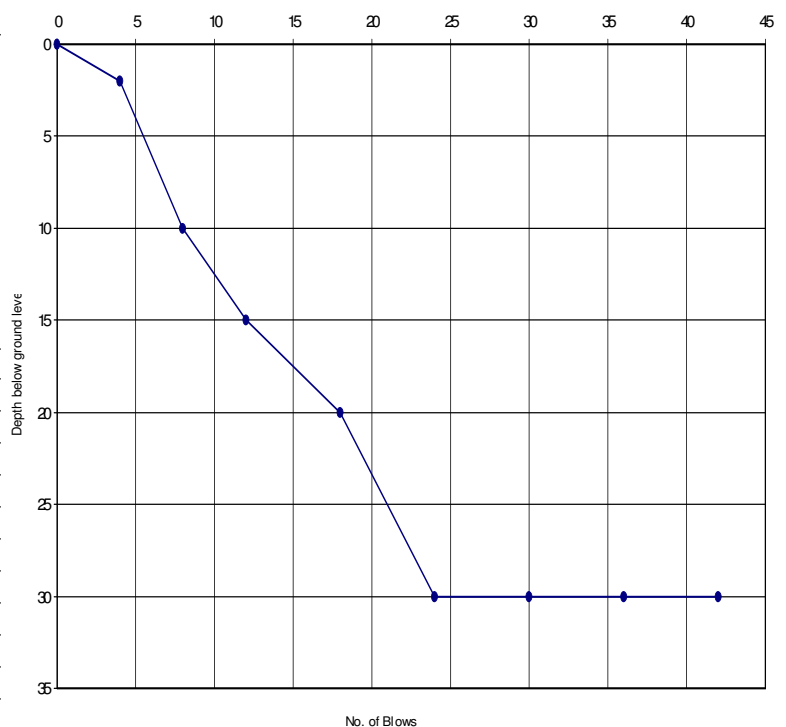
Location No. DCP01
Project No. PC176880
Test No. 2
Test Date 23/10/2017

Blows No.	Blows Total	Rod No.	Reading (mm)	Corrected Depth (mm)
0	0	1	0	0
4	4	1	2	2
4	8	1	10	10
4	12	1	15	15
6	18	1	20	20
6	24	1	30	30
6	30	1	30	30
6	36	1	30	30
6	42	1	30	30

Test Started at	0.00 m
Operator	AJS
Checked by	

Rod No.	Zero Reading (mm)
1	0

Depth bgl (mm) Top	Base	Blows No. Top	Base	DCP mm/blow	CBR %
0	2	0	4	1	628.3
2	10	4	8	2	145.1
10	15	8	12	1	238.5
15	20	12	18	1	366.2
20	30	18	24	2	176.0
30	30	24	42		



Remarks
CBR estimated using correlation in Highways Agency Interim Advice Note 73/06

Printed: 08/12/2017

GEOTECHNICS

