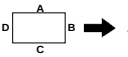


Trial Pit Log

Logged AW Checked AP	Start 14/10/2014 End 14/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 2.0m Terminated on bedrock.	Dimensions and Orientation Width 1.30 m Length 6.00 m 	Ground Level - Coordinates - National Grid - Chainage -		
Samples and Tests		Strata				
Depth	Type & No.	Date Records	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 Orangish brown clayey gravelly, fine to coarse SAND with low cobble and boulder content. Gravel is subrounded to rounded, fine to coarse of sandstone. Cobbles and boulders are subangular of sandstone. Frequent roots and rootlets. (VO = 0,0)	0.50		
1.50	ES 2		2 Greyish brown slightly silty sandy angular to subangular, fine to coarse GRAVEL of sandstone. Sand is coarse. (VO = 0,0)	(1.50)		
			EXPLORATORY HOLE ENDS AT 2.00 m	2.00		
			2.00 m Bedrock			
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Drizzle		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25			Project Coed Darcy Site-wide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW239 Sheet 1 of 1		

Trial Pit Log



Logged AW Checked AP		Start 28/10/2014 End 28/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 3.6m Terminated on bedrock.	Dimensions and Orientation Width 1.30 m Length 6.00 m A B C D		Ground Level Coordinates National Grid Chainage		- - -
Samples and Tests			Strata					
Depth	Type & No.	Date Records	Description			Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (MADE GROUND) Black and brown angular to subrounded fine to coarse GRAVEL of macadam, brick and concrete. (VO = 0,0)			0.20		
1.50	ES 2		2 Brown slightly silty gravelly fine to coarse SAND. Gravel is subangular to subrounded, fine to coarse of sandstone. (VO = 0,0)			(3.40)		
2.50	ES 3							
			EXPLORATORY HOLE ENDS AT 3.60 m			3.60		
			3.60 m Sandstone bedrock.					
Depth	Type & No.	Records Date						
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)			Stability Stable Shoring None Weather Dry		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. (c) ESG www.esg.co.uk 426.4818/02/2015 14:01:25			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited			Trial Pit NSW24 Sheet 1 of 1		

Trial Pit Log

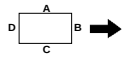
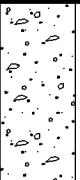
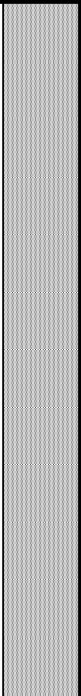
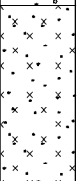
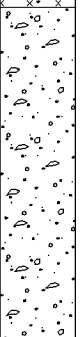


Logged SP Checked AP		Start 27/11/2014 End 27/11/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 0.5m Terminated on bedrock.	Dimensions and Orientation Width 1.50 m Length 3.00 m A B C D B C	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 Dark brown gravelly clayey, fine to coarse SAND with low cobble content. Gravel is angular to well rounded, fine to coarse of sandstone. Cobbles are angular to well rounded of sandstone. (VO = 0,0) EXPLORATORY HOLE ENDS AT 0.50 m	(0.50) 0.50		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)	Stability Shoring None Weather Cloudy		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. (c) ESG www.esg.co.uk 426.4813/01/2015 15:06:49			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW240 Sheet 1 of 1		

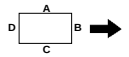
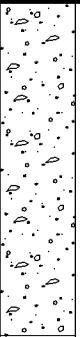
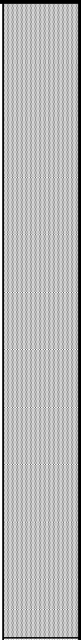
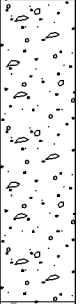
Trial Pit Log

Logged JC Checked AP		Start 14/10/2014 End 14/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 1.20m Unable to progress through cobbles.	Dimensions and Orientation Width 1.40 m Length 3.60 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No.	Date Records	Description			
0.20	ES 1		1 Brown silty slightly gravelly, fine to coarse SAND with low cobble content. Gravel is angular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded of sandstone. (VO = 0,0)	(0.40)		
0.80	ES 2		2 Light brown slightly silty SAND and GRAVEL with low to medium cobble content. Sand is fine to coarse. Gravel is angular to subrounded, fine to coarse of sandstone. Cobbles are angular to subangular tabular of sandstone. (VO = 0,0)	(0.80)		
			EXPLORATORY HOLE ENDS AT 1.20 m	1.20		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Cloudy,windy		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25			Project Coed Darcy Site-wide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW241 Sheet 1 of 1		

Trial Pit Log

Logged JC Checked AP	Start 14/10/2014 End 14/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 2.30m Unable to progress through cobbles.	Dimensions and Orientation Width 1.60 m Length 3.90 m 	Ground Level - Coordinates - National Grid - Chainage -		
Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.30	ES 1		1 Brown silty slightly gravelly, fine to coarse SAND with low cobble content. Gravel is angular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded of sandstone. (VO = 0,0)	(0.60)		
0.80	ES 2		2 Grey occasionally heavily stained dark grey silty, fine to coarse (predominantly fine to medium) SAND. Strong hydrocarbon odour. (VO = 3,3)	(0.60)		
1.30	ES 3		3 Orangish light brown silty gravelly, fine to coarse SAND with low to medium cobble content. Gravel is subangular to subrounded, fine to coarse of sandstone. Cobbles are angular to subangular of sandstone. (VO = 0,0)	(1.10)		
			EXPLORATORY HOLE ENDS AT 2.30 m	2.30		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Cloudy,windy,rain		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW242 Sheet 1 of 1		

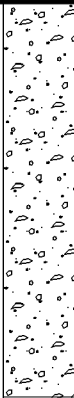
Trial Pit Log

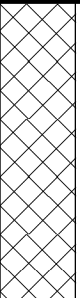
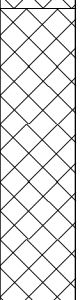
Logged JC Checked AP	Start 14/10/2014 End 14/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 2.10m Unable to progress through cobbles.	Dimensions and Orientation Width 1.60 m Length 4.10 m 	Ground Level - Coordinates - National Grid - Chainage -		
Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 Brown silty locally silty gravelly, fine to coarse SAND with low cobble content. Gravel is angular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded of sandstone. (VO = 0,0)	(1.10)		
1.50	ES 2		2 Orangish light brown silty slightly gravelly, fine to coarse (predominantly fine to medium) SAND with occasional cobbles. Gravel is subangular to subrounded of sandstone. Cobbles are angular to subangular of sandstone. (VO 0,0)	1.10 (1.00)		
			EXPLORATORY HOLE ENDS AT 2.10 m	2.10		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)		Stability Stable Shoring None Weather Cloudy,windy	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25			Project Coed Darcy Site-wide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit NSW243 Sheet 1 of 1	

Logged JC Checked AP	Start 14/10/2014 End 14/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 1.30m Unable to progress through cobbles.	Dimensions and Orientation Width 1.60 m Length 3.80 m 		Ground Level Coordinates National Grid Chainage	-	-	-
Samples and Tests			Strata					
Depth	Type & No.	Date Records	Description			Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 Brown and reddish silty locally silty SAND and GRAVEL with medium cobble content. Sand is fine to coarse. Gravel is angular to subrounded, fine to coarse of sandstone. Cobbles are angular to subangular of sandstone, brick and shale. (VO = 0,0)			(0.70)		
1.00	ES 2		2 Orangish light brown silty slightly gravelly, fine to coarse SAND with low cobble content. Gravel is angular to subrounded, fine to coarse of sandstone. Cobbles are angular to subangular of sandstone. (VO = 0,0)			0.70 (0.60)		
			EXPLORATORY HOLE ENDS AT 1.30 m			1.30		
Depth	Type & No.	Records Date						
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)			Stability Stable Shoring None Weather Cloudy,windy		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4808/01/2015 16:02:30 			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited			Trial Pit NSW244 Sheet 1 of 1		

Logged JC Checked AP	Start 14/10/2014 End 14/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 1.10m Unable to progress through cobbles.	Dimensions and Orientation Width 1.40 m Length 3.70 m A B C →	Ground Level - Coordinates - National Grid - Chainage -		
Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 Light brown silty locally silty slightly gravelly, fine to coarse SAND with low cobble content. Gravel is subangular to subrounded of sandstone. Cobbles are angular to subangular of sandstone. (VO = 0,0)	(1.10)		
			EXPLORATORY HOLE ENDS AT 1.10 m	1.10		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Dry		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4808/01/2015 16:02:33 			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW245 Sheet 1 of 1		

Logged JC Checked AP	Start 14/10/2014 End 14/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 1.00m Unable to progress thralgh cobbles.	Dimensions and Orientation Width 1.50 m Length 4.10 m A B C →	Ground Level Coordinates National Grid Chainage		
Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 Brown slightly silty gravelly, fine to coarse SAND with low cobble content. Gravel is angular to subrounded, fine to coarse of sandstone. Cobbles are angular to subangular of sandstone. (VO = 0,0)	(1.00)		
			EXPLORATORY HOLE ENDS AT 1.00 m	1.00		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)		Stability Stable Shoring None Weather Cloudy,windy	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4808/01/2015 16:04:46			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit NSW246 Sheet 1 of 1	

Logged JC Checked AP	Start 14/10/2014 End 14/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 1.30m Unable to progress through cobbles.	Dimensions and Orientation Width 1.50 m Length 3.80 m A B C →	Ground Level Coordinates National Grid Chainage		
Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 Brown slightly silty locally silty, fine to coarse SAND and angular to subrounded, fine to coarse GRAVEL of sandstone with medium cobble content. Cobbles are angular to subangular tabular of sandstone. (VO = 0,0)	(1.30)		
			EXPLORATORY HOLE ENDS AT 1.30 m	1.30		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Cloudy,windy		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4808/01/2015 16:04:48 			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW247 Sheet 1 of 1		

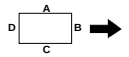
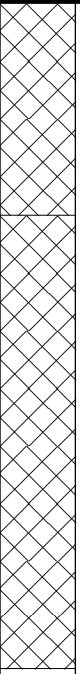
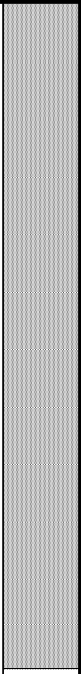
Logged NK Checked AP	Start 14/10/2014 End 14/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 2.0m Terminated on bedrock.	Dimensions and Orientation Width 1.00 m Length 3.50 m A D B C ➔		Ground Level Coordinates National Grid Chainage	
Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level (Thickness)	Legend	Backfill/ Instrument
0.50	ES 1		1 (MADE GROUND) Light brown slightly silty gravelly, fine to coarse SAND with medium cobble content. Gravel is subangular to subrounded, fine to coarse of mixed lithologies including sandstone and brick. Cobbles are subangular to subrounded, fine to coarse of sandstone and concrete. Occasional gravel sized pockets of orange medium sand. Rare rootlets. (VO = 1,1)	(1.00)		
1.50	ES 2		2 (MADE GROUND) Dark brown gravelly, fine to coarse SAND with high cobble content. Gravel is subangular to subrounded, fine to coarse of mixed lithologies including sandstone, clinker and concrete. Cobbles are subangular to subrounded tabular, fine to coarse of sandstone. (VO = 1,0)	(1.00)		
			EXPLORATORY HOLE ENDS AT 2.00 m	2.00		

Logged NK Checked AP	Start 14/10/2014 End 14/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 3.1m Terminated on bedrock.	Dimensions and Orientation Width 1.00 m Length 4.00 m		A B C D ➔		Ground Level Coordinates National Grid Chainage
Samples and Tests			Strata				
Depth	Type & No.	Date Records	Description	Depth, Level (Thickness)	Legend	Backfill/ Instrument	
0.50	ES 1		1 (MADE GROUND) Light brown slightly sandy gravelly SILT with medium cobble content. Sand is fine to coarse. Gravel is subangular to subrounded, fine to coarse of mixed lithologies including sandstone, concrete, brick and clinker. Localised blackened areas. (VO = 3,1)	(0.90)			
1.50	ES 2		2 (MADE GROUND) Greyish brown slightly silty gravelly, fine to coarse SAND with medium cobble content. Gravel is subangular to subrounded, fine to coarse of mixed lithologies including sandstone, brick and clinker. Cobbles are subangular to subrounded, fine to coarse of sandstone. (VO = 1,2)	0.90			
2.50	ES 3			(2.20)			
			EXPLORATORY HOLE ENDS AT 3.10 m	3.10			
Depth	Type & No.	Records Date					
Groundwater Entries No. Struck Post Strike Behaviour (m)			Depth Related Remarks * From to (m)			Stability Stable Shoring None Weather Cloudy	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4813/01/2015 09:00:27			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited			Trial Pit NSW249 Sheet 1 of 1	

Trial Pit Log

Logged NK Checked AP	Start 27/10/2014 End 27/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 3.4m Terminated on bedrock.	Dimensions and Orientation Width 1.00 m Length 4.00 m 	Ground Level - Coordinates - National Grid - Chainage -		
Samples and Tests			Strata	Depth, Level, (Thickness)		
Depth	Type & No.	Date Records	Description	Depth, Level, (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (MADE GROUND) Orangish brown slightly gravelly sandy SILT with low cobble content. Gravel is subangular to subrounded, fine to coarse of mixed lithologies including sandstone. Sand is fine to coarse of ash. Cobbles are subangular to subrounded of sandstone. Occasional cobble sized pockets of ash. Rare rootlets. (VO = 0,0)	(1.10)		
1.50	ES 2		2 Medium brown gravelly slightly silty fine to medium SAND with medium cobble content. Gravel is subangular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded of sandstone. (VO = 0,0)	1.10		
2.50	ES 3			(2.30)		
			EXPLORATORY HOLE ENDS AT 3.40 m	3.40		
			3.40 m Bedrock			
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m)			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Cloudy		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW25 Sheet 1 of 1		

Trial Pit Log

Logged NK Checked AP		Start 14/10/2014 End 14/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 2.2m Terminated on bedrock.	Dimensions and Orientation Width 1.00 m Length 4.00 m 		Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata				
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments	
0.50	ES 1		1 (MADE GROUND) Orangish brown slightly sandy slightly gravelly SILT. Sand is fine to medium. Gravel is subangular to subrounded, fine to coarse of mixed lithologies including sandstone and clinker. Occasional rootlets. (VO = 0,0)	(0.70)			
1.50	ES 2		2 (MADE GROUND) Brown gravelly, fine to coarse SAND with low cobble content. Gravel is subangular to subrounded, fine to coarse of mixed lithologies including sandstone and clinker. Cobbles are subangular to subrounded, fine to coarse of sandstone. (VO = 0,1)	(1.50)			
			EXPLORATORY HOLE ENDS AT 2.20 m 2.20 m Bedrock	2.20			
Depth	Type & No.	Records Date					
Groundwater Entries No. Struck Post Strike Behaviour (m)			Depth Related Remarks * From to (m)		Stability Stable Shoring None Weather Light rain		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit NSW250 Sheet 1 of 1		

Trial Pit Log

[illegible]

Trial Pit Log

Logged NK Checked AP		Start 14/10/2014 End 14/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 3.1m Terminated on bedrock.	Dimensions and Orientation Width 1.00 m Length 4.00 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata	Depth, Level, (Thickness)		
Depth	Type & No.	Date Records	Description	Depth, Level, (Thickness)	Legend	Backfill/ Instruments
0.40	ES 1		1 (MADE GROUND) Light brown sandy gravelly SILT. Sand is fine to medium. Gravel is subangular to subrounded, fine to coarse of mixed lithologies including sandstone, brick and clinker. Frequent rootlets. (VO = 1,1)	0.40		
1.40	ES 2		2 (MADE GROUND) Dark brown slightly silty, gravelly fine to coarse SAND with medium cobble content. Gravel is subangular to subrounded, fine to coarse of mixed lithologies including sandstone, brick and clinker. Cobbles are subangular to subrounded, fine to coarse of sandstone and brick. Occasional rootlets. Localised blackened areas. (VO = 2,1)	1.40		
2.40	ES 3		3 Greyish brown slightly silty gravelly fine to coarse SAND with low cobble content. Gravel is subangular to subrounded, fine to coarse of mixed lithologies including sandstone and clinker. Cobbles are subangular to subrounded occasionally tabular of sandstone. Frequent blackened areas. (VO = 3,4)	1.80		
			EXPLORATORY HOLE ENDS AT 3.10 m 3.10 m Bedrock	3.10		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m)			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Rain		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4908/01/2015 16.04.50			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW252 Sheet 1 of 1		

Logged NK Checked AP	Start 14/10/2014 End 14/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 1.4m Terminated on bedrock.	Dimensions and Orientation Width 1.00 m Length 4.00 m		Ground Level - Coordinates - National Grid - Chainage -
Samples and Tests			Strata		
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend
		*	1 (MADE GROUND) Dark brown slightly silty gravelly fine to coarse SAND with low cobble content. Gravel is subangular to subrounded, fine to coarse of mixed lithologies including sandstone, brick and clinker. Cobbles are subangular to subrounded of sandstone, brick and wood. Frequent rootlets and wood fragments. (VO = 2,3)	(1.40)	
			EXPLORATORY HOLE ENDS AT 1.40 m 1.40 m Sandstone bedrock.	1.40	
Depth	Type & No.	Records Date			
Groundwater Entries No. Struck Post Strike Behaviour (m)			Depth Related Remarks * From to (m) 0.00 1.40 No samples obtained.		Stability Stable Shoring None Weather Cloudy
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4804/02/2015 13:38:50			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit NSW254 Sheet 1 of 1

Trial Pit Log

Logged KN Checked AP		Start 17/10/2014 End 17/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 4.3m Terminated on bedrock.	Dimensions and Orientation Width 1.00 m Length 4.00 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata	Depth, Level/ (Thickness) Legend Backfill/ Instruments		
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (MADE GROUND) Light brown slightly sandy gravelly SILT with low cobble content. Sand is fine to medium. Gravel is subangular to subrounded, fine to coarse of mixed lithologies including sandstone and clinker. Cobbles are subangular to subrounded, fine to coarse of sandstone. Occasional rootlets. (VO = 0,1)	(0.80)		
1.50	ES 2		2 (MADE GROUND) Greyish brown gravelly fine to coarse SAND with low cobble content. Gravel is subangular to subrounded, fine to coarse of mixed lithologies including sandstone and clinker. Cobbles are subangular to subrounded, fine to coarse of sandstone. Localised blackened areas. (VO = 3,4)	0.80		
2.50	ES 3			(3.50)		
3.50	ES 4					
			EXPLORATORY HOLE ENDS AT 4.30 m 4.30 m Bedrock	4.30		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m)			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Cloudy		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4807/01/2015 16:03:55			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW255 Sheet 1 of 1		

Trial Pit Log



Logged NK Checked AP		Start 16/10/2014 End 16/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 1.6m Terminated on concrete slab.	Dimensions and Orientation Width 1.00 m Length 4.00 m 		Ground Level Coordinates National Grid Chainage	
Samples and Tests			Strata				
Depth	Type & No.	Date Records	Description		Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (MADE GROUND) Greyish brown gravelly fine to coarse SAND with high cobble content. Gravel is subangular to subrounded, fine to coarse of mixed lithologies including sandstone, clinker, brick and concrete. Cobbles are subangular to subrounded of sandstone and brick. Localised blackened areas. (VO = 2,3)		(1.60)		
1.50	ES 2				1.60		
			EXPLORATORY HOLE ENDS AT 1.60 m		1.60 m Concrete slab.		
Depth	Type & No.	Records Date					
Groundwater Entries No. Struck Post Strike Behaviour (m)			Depth Related Remarks * From to (m)		Stability Stable Shoring None Weather Sunny		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit NSW256 Sheet 1 of 1		



Logged NK Checked AP		Start 16/10/2014 End 16/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 1.0m Terminated due water ingress.	Dimensions and Orientation Width 1.00 m Length 3.50 m A B C D	
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Logged NK Checked AP		Start 16/10/2014 End 16/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 1.0m Terminated due to water ingress.	Dimensions and Orientation Width 1.00 m Length 3.50 m		A B C D <	
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Trial Pit Log

Logged NK Checked AP		Start 16/10/2014 End 16/10/2014	Equipment, Methods and Remarks Komatsu PC210 machine excavated trial pit from GL to 4.1m Terminated on bedrock.	Dimensions and Orientation Width 1.00 m Length 4.00 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata	Depth, Level/ (Thickness) Legend Backfill/ Instruments		
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (MADE GROUND) Light brown sandy gravelly SILT with low cobble content. Sand is fine to medium. Gravel is subangular to subrounded, fine to coarse of mixed lithologies including sandstone, brick and concrete. Cobbles are subangular to subrounded of sandstone. Rare rootlets. (VO = 0,1)	(0.70)		
1.50	ES 2		2 (MADE GROUND) Dark brown gravelly fine to coarse SAND with medium cobble content. Gravel is subangular to subrounded, fine to coarse of mixed lithologies including sandstone and clinker. Cobbles are subangular to subrounded of sandstone. Localised blackened areas. (VO = 2,4)	0.70		
2.50	ES 3			(3.40)		
3.50	ES 4					
			EXPLORATORY HOLE ENDS AT 4.10 m 4.10 m Bedrock	4.10		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m)			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Cloudy		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4908/01/2015 16.04:59			Project Coed Darcy Site-wide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW259 Sheet 1 of 1		

Trial Pit Log

Logged NK Checked AP		Start 27/10/2014 End 27/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 3.3m Terminated on bedrock.	Dimensions and Orientation Width 1.00 m Length 3.50 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (MADE GROUND) Light brown slightly gravelly SAND with low cobble content. Sand is fine to medium. Gravel is subangular to subrounded, fine to coarse of mixed lithologies including sandstone, shale and ash. Cobbles are subangular to subrounded of sandstone. (VO = 0,0)	(0.90)		
1.50	ES 2		2 Brown gravelly fine to coarse SAND with low cobble content. Gravel is subangular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded occasionally tabular of sandstone. (VO = 1,0)	0.90		
2.50	ES 3			(2.40)		
			EXPLORATORY HOLE ENDS AT 3.30 m 3.30 m Bedrock	3.30		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Cloudy		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4809/02/2015 14:57:36			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW26 Sheet 1 of 1		

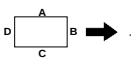
Trial Pit Log

Logged NK Checked AP		Start 16/10/2014 End 16/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 5.1m Terminated on bedrock.	Dimensions and Orientation Width 1.00 m Length 4.00 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata	Depth, Level/ (Thickness) Legend Backfill/ Instruments		
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (MADE GROUND) Mainly dark brown slightly silty slightly gravelly fine to coarse SAND with low cobble content. Gravel is subangular to subrounded, fine to coarse of mixed lithologies including sandstone and brick. Cobbles are subangular to subrounded of sandstone and concrete. (VO = 0,1)	(1.00)		
1.50	ES 2		2 (MADE GROUND) Light brown sandy gravelly SILT with low cobble content. Sand is fine to coarse. Gravel is subangular to subrounded of mixed lithologies including sandstone and clinker. Cobbles are subangular to subrounded of sandstone. (VO = 1,0)	(1.40)		
2.50	ES 3		3 (MADE GROUND) Greyish brown slightly silty gravelly fine to coarse SAND with medium cobble content. Gravel is subangular to subrounded, fine to coarse of mixed lithologies including sandstone and clinker. Cobbles are subangular to subrounded of sandstone. Localised blackened areas. (VO = 3,3)	(2.70)		
3.50	ES 4					
4.50	ES 5					
Depth	Type & No.	Records Date	Stratum continues to 5.10 m			
Groundwater Entries No. Struck Post Strike Behaviour (m)			Depth Related Remarks * From to (m)		Stability Stable Shoring None Weather Cloudy	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit NSW260 Sheet 1 of 2	

Trial Pit Log



Logged NK Checked AP		Start 16/10/2014 End 16/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 5.1m Terminated on bedrock.	Dimensions and Orientation Width 1.00 m Length 4.00 m A B C D	Ground Level - Coordinates - National Grid - Chainage -
Samples and Tests			Strata		
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend Backfill/ Instruments
			3 (MADE GROUND) Greyish brown slightly silty gravelly fine to coarse SAND with medium cobble content. Gravel is subangular to subrounded, fine to coarse of mixed lithologies including sandstone and clinker. Cobbles are subangular to subrounded of sandstone. Localised blackened areas. (VO = 3,3) 5.10 m Bedrock EXPLORATORY HOLE ENDS AT 5.10 m	5.10	
Depth	Type & No.	Records Date			
Groundwater Entries No. Struck Post Strike Behaviour (m)			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Cloudy	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4818/01/2015 14:54:51 AGS			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW260 Sheet 2 of 2	

Logged NK Checked AP		Start 15/10/2014 End 15/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 1.2m Terminated due to collapse.		Dimensions and Orientation Width 1.00 m Length 3.50 m 		Ground Level Coordinates National Grid Chainage	
Samples and Tests			Strata					
Depth	Type & No.	Date Records	Description			Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (MADE GROUND) Dark brown slightly silty gravelly, fine to coarse SAND with low cobble content. Gravel is subangular to subrounded, fine to coarse of mixed lithologies including sandstone, brick and clinker. Cobbles are subangular to subrounded, fine to coarse of sandstone and brick. Localised blackened areas. (VO = 2,2)			(1.20)		
			EXPLORATORY HOLE ENDS AT 1.20 m			1.20		
Depth	Type & No.	Records Date						
Groundwater Entries No. Struck Post Strike Behaviour (m)			Depth Related Remarks * From to (m)			Stability Unstable Shoring None Weather Cloudy		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4815/01/2015 15:30:09 			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited			Trial Pit NSW261 Sheet 1 of 1		

Trial Pit Log

Logged NK Checked AP	Start 15/10/2014 End 15/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 1.8m Terminated due to collapse.	Dimensions and Orientation Width 1.00 m Length 4.00 m A B C D ➡		Ground Level Coordinates National Grid Chainage	
Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (MADE GROUND) Greyish brown slightly sandy gravelly SILT with medium cobble content. Sand is fine to coarse. Gravel is subangular to subrounded, fine to coarse of mixed lithologies including sandstone, brick and clinker. Cobbles are subangular to subrounded, fine to coarse of sandstone and brick. Localised blackened areas. (VO = 3,3)	(1.80)		
1.50	ES 2					
			EXPLORATORY HOLE ENDS AT 1.80 m	1.80		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m)			Depth Related Remarks * From to (m)	Stability Unstable Shoring None Weather Rain		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4815/01/2015 15:30:12 			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW262 Sheet 1 of 1		

Trial Pit Log

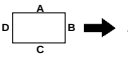
Logged NK Checked AP		Start 15/10/2014 End 15/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 4.0m Terminated on bedrock.	Dimensions and Orientation Width 1.00 m Length 4.00 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No.	Date Records	Description			
0.50	ES 1		1 (MADE GROUND) Light brown slightly sandy gravelly SILT with low cobble cntent. Sand is fine to medium. Gravel is subangular to subrounded, fine to coarse of mixed lithologies including sandstone, concrete and brick. Cobbles are subangular to subrounded of sandstone and brick. Occasional rootlets. (VO = 1,0)	(1.10)		
1.50	ES 2		2 (MADE GROUND) Greyish brown gravelly fine to coarse SAND with medium cobble content. Gravel is subangular to subrounded, fine to coarse of mixed lithologies including sandstone and clinker. Cobbles are subangular to subrounded of sandstone. Localised blackened areas. (VO = 2,4)	1.10		
2.50	ES 3			(2.90)		
3.50	ES 4					
			EXPLORATORY HOLE ENDS AT 4.00 m 4.00 m Bedrock.	4.00		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m)			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Rain		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW263 Sheet 1 of 1		

Trial Pit Log

Logged NK Checked AP		Start 15/10/2014 End 15/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 4.2m Terminated on bedrock.	Dimensions and Orientation Width 1.00 m Length 4.00 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata	Depth, Level/ (Thickness) Legend Backfill/ Instruments		
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (MADE GROUND) Light brown slightly sandy gravelly SILT with low cobble content. Sand is fine to medium. Gravel is subangular to subrounded, fine to coarse of mixed lithologies including sandstone, brick and clinker. Cobbles are subangular to subrounded of sandstone and brick. Frequent rootlets. (VO = 1,1)	(0.90)		
1.50	ES 2		2 (MADE GROUND) Greyish brown gravelly fine to coarse SAND with medium cobble content. Gravel is subangular to subrounded, fine to coarse of mixed lithologies including sandstone and clinker. Cobbles are subangular to subrounded of sandstone. Rare rootlets. (VO = 2,3)	0.90		
2.50	ES 3			(3.30)		
3.50	ES 4					
			EXPLORATORY HOLE ENDS AT 4.20 m 4.20 m Bedrock	4.20		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Cloudy		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4824/01/2015 15:43:21			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW264 Sheet 1 of 1		

Logged NK Checked AP	Start 15/10/2014 End 15/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 4.2m Terminated on bedrock.	Dimensions and Orientation Width 1.00 m Length 4.00 m A B C D E	Ground Level Coordinates National Grid Chainage		
Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (MADE GROUND) Light brown sandy gravelly SILT with medium cobble content. Sand is fine to medium. Gravel is subangular to subrounded, fine to coarse of mixed lithologies including sandstone, wood and clinker. Cobbles are subangular to subrounded, fine to coarse consisting of sandstone. Frequent rootlets. (VO = 1,1)			
1.50	ES 2			(3.20)		
2.50	ES 3					
3.50	ES 4		2 (MADE GROUND) Blackish grey gravelly, fine to coarse SAND with low cobble content. Gravel is subangular to subrounded, fine to coarse of mixed lithologies including sandstone and clinker. Cobbles are subangular to subrounded, fine to coarse consisting of sandstone. (VO = 3,3)	3.20 (1.00)		
			EXPLORATORY HOLE ENDS AT 4.20 m	4.20		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)		Stability Stable Shoring None Weather Cloudy	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4815/01/2015 15:30:14			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit NSW265 Sheet 1 of 1	

Trial Pit Log

Logged NK Checked AP		Start 15/10/2014 End 15/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 3.7m Terminated on bedrock.	Dimensions and Orientation Width 1.00 m Length 4.50 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No.	Date Records	Description			
0.50	ES 1		1 (MADE GROUND) Light brown slightly silty gravelly, fine to coarse SAND with medium cobble content. Gravel is subangular to subrounded, fine to coarse of mixed lithologies including sandstone and brick. Cobbles are subangular to subrounded, fine to coarse of sandstone. Occasional rootlets. (VO = 1,0)			
1.50	ES 2					
2.50	ES 3					
3.50	ES 4		2 (MADE GROUND) Greyish brown slightly silty gravelly, fine to coarse SAND with medium cobble content. Gravel is subangular to subrounded, fine to coarse of mixed lithologies including sandstone and clinker. Cobbles are subangular to subrounded, fine to coarse of sandstone. (VO = 2,1)	3.40 (0.30)		
			3.70 m Bedrock EXPLORATORY HOLE ENDS AT 3.70 m	3.70		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Cloudy		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4815/01/2015 15:30:17 			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW266 Sheet 1 of 1		

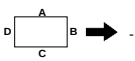
Trial Pit Log

Logged NK Checked AP		Start 15/10/2014 End 15/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 4.9m Terminated on bedrock.	Dimensions and Orientation Width 1.00 m Length 4.00 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata	Depth, Level/ (Thickness) Legend Backfill/ Instruments		
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (MADE GROUND) Light brown slightly sandy slightly gravelly SILT. Sand is fine to medium. Gravel is subangular to subrounded, fine to coarse of mixed lithologies including sandstone, clinker and brick. Frequent rootlets. (VO = 1,0)	(1.00)		
1.50	ES 2		2 (MADE GROUND) Light brown sandy gravelly SILT with medium cobble content. Sand is fine to coarse. Gravel is subangular to subrounded, fine to coarse of sandstone and clinker. Cobbles are subangular to subrounded, fine to coarse of sandstone. Occasional rootlets. Localised blackened areas. (VO = 2,3)	1.00 (0.60)		
2.50	ES 3		3 (MADE GROUND) Blackish grey gravelly, medium to coarse SAND with medium cobble content. Gravel is subangular to subrounded, fine to coarse of sandstone and clinker. Cobbles are subangular to subrounded, fine to coarse of sandstone. Frequent blackened areas. (VO = 4,3)	1.60		
3.50	ES 4			(3.30)		
4.50	ES 5					
			EXPLORATORY HOLE ENDS AT 4.90 m	4.90		
			4.90 m Bedrock			
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m)			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Cloudy		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW267 Sheet 1 of 1		

Scale 1:25

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Trial Pit Log

Logged NK Checked AP	Start 27/10/2014 End 27/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 3.9m Terminated on bedrock.	Dimensions and Orientation Width 1.00 m Length 4.00 m 		Ground Level Coordinates - National Grid Chainage -
Samples and Tests			Strata		
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend Backfill/ Instruments
0.50	ES 1		1 Orangish brown slightly gravelly SILT. Gravel is subangular to subrounded, fine to coarse of sandstone. Occasional rootlets. (VO = 0,0)	(1.10)	
1.50	ES 2		2 Dark grey gravelly medium to coarse SAND with medium cobble content. Gravel is subangular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded occasionally tabular of sandstone. Localised blackened areas. (VO = 2,3)	1.10	
2.50	ES 3			(2.80)	
3.50	ES 4				
			EXPLORATORY HOLE ENDS AT 3.90 m	3.90	
Depth	Type & No.	Records Date			
Groundwater Entries No. Struck Post Strike Behaviour (m)			Depth Related Remarks * From to (m)		Stability Stable Shoring None Weather Cloudy
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. (c) ESG www.esg.co.uk 426.4809\02\2015 14:57:42			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit NSW27 Sheet 1 of 1

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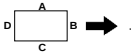
Trial Pit Log

Logged JC Checked AP		Start 16/10/2014 End 16/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 3.00m Unable to progress through cobbles.	Dimensions and Orientation Width 1.70 m Length 4.30 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 Brown slightly silty gravelly, fine to coarse SAND with low cobble content. Gravel is angular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded of sandstone. (VO = 0,0)	(1.20)		
1.50	ES 2		2 Orangish light brown silty slightly gravelly, fine to coarse (predominantly fine to medium) SAND with low cobble content. Gravel is angular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded of sandstone. (VO = 0,0)	1.20 (0.70)		
2.50	ES 3		3 Light grey occasionally stained grey slightly silty SAND and GRAVEL with low cobble content. Sand is fine to coarse. Gravel is subangular to subrounded, fine to coarse of sandstone. Cobbles are angular to subangular of sandstone. Strong hydrocarbon odour. (VO = 1,3)	1.90 (1.10)		
			EXPLORATORY HOLE ENDS AT 3.00 m	3.00		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Cloudy,sl.wind		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW271 Sheet 1 of 1		

Logged JC Checked AP	Start 16/10/2014 End 16/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 4.10m Terminated on bedrock.	Dimensions and Orientation Width 1.80 m Length 4.60 m A B C D ➔		Ground Level Coordinates National Grid Chainage	- - -
Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 Light brown slightly silty gravelly, fine to coarse SAND with low cobble content. Gravel is angular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded of sandstone. (VO = 0,0)	(1.90)		
1.50	ES 2			1.90		
2.50	ES 3		2 Very soft to soft orangish light brown sandy SILT. (VO = 0,0)	(1.30)		
3.50	ES 4		3 Light grey frequently stained dark grey silty SAND and GRAVEL with low to medium cobble content. Sand is fine to coarse. Gravel is angular to subrounded, fine to coarse of sandstone. Cobbles are angular to subangular of sandstone. Strong hydrocarbon odour. (VO = 2,4)	3.20 (0.90)		
			EXPLORATORY HOLE ENDS AT 4.10 m	4.10		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)		Stability Stable Shoring None Weather Cloudy,sl.breeze	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4818/01/2015 14:54:59			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit NSW272 Sheet 1 of 1	

Trial Pit Log

Logged JC Checked AP		Start 15/10/2014 End 15/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 1.90m Terminated due to flooding.	Dimensions and Orientation Width 1.50 m Length 4.20 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No.	Date Records	Description			
0.50	ES 1		1 Orangish light brown silty gravelly, fine to coarse SAND with low cobble content. Gravel is angular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded of sandstone. (VO = 0,0)	(1.90)		
1.50	ES 2					
			EXPLORATORY HOLE ENDS AT 1.90 m	1.90		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour 1 0.00 Remained at 0.00 m after 0 minutes. Surface water.			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Cloudy,raining		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW273 Sheet 1 of 1		

Logged JC	Start 15/10/2014	Equipment, Methods and Remarks		Dimensions and Orientation		Ground Level		
Checked AP	End 15/10/2014	Komatsu PC210 Machine excavated trial pit from GL to 1.20m Terminated due to water ingress.		Width 1.60 m		Coordinates		
				Length 3.50 m		National Grid		
Samples and Tests			Strata			Chainage		
Depth	Type & No.	Date Records	Description			Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 Brown slightly silty gravelly, fine to coarse SAND with low cobble content. Gravel is angular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded of sandstone. (VO = 0,0)			(1.20)		
			EXPLORATORY HOLE ENDS AT 1.20 m			1.20		
Depth	Type & No.	Records Date						
Groundwater Entries			Depth Related Remarks *			Stability Stable		
No. Struck Post Strike Behaviour (m)			From to (m)			Shoring None		
1 0.00 Rose to 0.70 m after 5 minutes. Surface water.						Weather Cloudy,rain,windy		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.			Project Coed Darcy Sitewide Trial Pitting			Trial Pit		
(c) ESG www.esg.co.uk 426.4808/01/2015 16:05:04			Project No. H4039-14			NSW274		
Scale 1:25			Carried out for St Modwen Developments Limited			Sheet 1 of 1		

Logged SP Checked AP	Start 24/11/2014 End 24/11/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 4.5m Terminated due to water ingress.	Dimensions and Orientation Width 1.50 m Length 3.00 m A B C D E F G		Ground Level Coordinates National Grid Chainage	
Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (MADE GROUND) Greyish black gravelly, fine to coarse SAND with medium cobble content. Gravel is angular to well rounded of mixed lithologies including sandstone and occasional brick. Cobbles are angular to well rounded of sandstone and occasional brick. (VO = 1,1)	0.50		
1.50	ES 2		2 Light orangish brown very clayey slightly gravelly, fine to coarse SAND. Gravel is subangular to subrounded fine to coarse of sandstone. (VO = 0,0)	(1.00)		
2.50	ES 3		3 Light grey clayey slightly gravelly, fine to coarse SAND with low cobble content. Gravel is subangular to well rounded, fine to coarse of sandstone. Cobbles are subangular to well rounded of sandstone. (VO = 2,2)	1.50		
3.50	ES 4			(3.00)		
			EXPLORATORY HOLE ENDS AT 4.50 m	4.50		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) 1 3.00 Small flow			Depth Related Remarks * From to (m)		Stability Stable Shoring None Weather Cold	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4816/01/2015 14.42:28 			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit NSW275 Sheet 1 of 1	

Trial Pit Log

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Trial Pit Log



Logged AW Checked AP		Start 16/10/2014 End 16/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 5.0m Terminated at maximum reach of excavator.	Dimensions and Orientation Width 1.30 m Length 6.00 m A B C D		Ground Level Coordinates National Grid Chainage	
Samples and Tests			Strata				
Depth	Type & No.	Date Records	Description		Depth, Level (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (TOPSOIL) Brown slightly silty fine to coarse SAND.		0.20		
1.50	ES 2		2 Grey slightly silty gravelly fine to coarse SAND. Gravel is subangular to subrounded, fine to coarse of sandstone. (VO = 2,2)				
2.50	ES 3				(4.80)		
3.50	ES 4						
4.50	ES 5						
Depth	Type & No.	Records Date	EXPLORATORY HOLE ENDS AT 5.00 m				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)		Stability Stable Shoring None Weather Dry		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. (c) ESG www.esg.co.uk 426.4818/01/2015 14:55:03 AGS			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit NSW277 Sheet 1 of 1		

Trial Pit Log



Logged AW Checked AP		Start 16/10/2014 End 16/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 1.20m Terminated on concrete obstruction.	Dimensions and Orientation Width 1.50 m Length 4.00 m A B C D →		Ground Level Coordinates National Grid Chainage		- - -
Samples and Tests			Strata					
Depth	Type & No.	Date Records	Description			Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (MADE GROUND) Greyish brown slightly silty gravelly fine to coarse SAND with low boulder content. Gravel is subangular to subrounded, fine to coarse of sandstone and clinker. Boulders are subangular of concrete. Occasional roots. (VO = 1,0)			(1.20)		
1.20	ES 2		EXPLORATORY HOLE ENDS AT 1.20 m 1.20 m Concrete obstruction.			1.20		
Depth	Type & No.	Records Date						
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)			Stability Stable Shoring None Weather Dry		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4818/01/2015 14:55:06			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited			Trial Pit NSW278 Sheet 1 of 1		

Trial Pit Log



Logged AW Checked AP		Start 16/10/2014 End 16/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 4.00m Terminated due to collapse.	Dimensions and Orientation Width 1.30 m Length 6.00 m A B C D		Ground Level Coordinates National Grid Chainage	
Samples and Tests			Strata				
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments	
0.50	ES 1		1 Brown slightly silty gravelly fine to coarse SAND. Gravel is subangular to subrounded, fine to coarse of sandstone. Frequent roots and rootlets. (VO = 0,0)	(1.00)			
1.50	ES 2		2 Grey slightly silty gravelly fine to coarse SAND. Gravel is subangular to subrounded, fine to coarse of sandstone. (VO = 1,2)	1.00			
2.50	ES 3			(3.00)			
3.50	ES 4						
			EXPLORATORY HOLE ENDS AT 4.00 m	4.00			
Depth	Type & No.	Records Date					
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)		Stability Some collapse. Shoring None Weather Dry		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. (c) ESG www.esg.co.uk 426.4818/01/2015 14:55:09 AGS			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit NSW279 Sheet 1 of 1		

[illegible]

Logged AW	Start 16/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 3.2m Unable to progress beyond 3.20m depth.	Dimensions and Orientation Width 1.30 m Length 6.00 m	Ground Level Coordinates National Grid Chainage		
Checked AP	End 16/10/2014		A B C D			
Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level (Thickness)	Legend	Backfill/ Instrument
0.50	ES 1		1 Grey slightly silty gravelly, fine to coarse SAND. Gravel is subangular to subrounded, fine to coarse of sandstone. (VO = 1,2)	(1.00)		
1.50	ES 2		2 Grey slightly silty sandy angular to subangular, fine to coarse GRAVEL of sandstone with medium cobble content. Sand is fine to coarse. Cobbles are angular to subangular of sandstone. (VO = 2,2),	1.00 (2.20)		
2.50	ES 3					
			EXPLORATORY HOLE ENDS AT 3.20 m	3.20		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) 1 3.00 Flowing			Depth Related Remarks * From to (m)		Stability Stable Shoring None Weather Dry	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4813/01/2015 09:23:37			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit NSW280 Sheet 1 of 1	

Logged NK Checked AP	Start 16/10/2014 End 16/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 1.8m Terminated due to water ingress.	Dimensions and Orientation Width 1.00 m Length 3.50 m A B C →	Ground Level Coordinates National Grid Chainage		
Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (MADE GROUND) Greyish brown gravelly medium to coarse SAND with medium cobble content. Gravel is subangular to subrounded, fine to coarse of mixed lithologies including sandstone and clinker. Cobbles are subangular to subrounded occasionally tabular of sandstone. Localised blackened areas. (VO = 2,3)	(1.80)		
1.50	ES 2			1.80		
			EXPLORATORY HOLE ENDS AT 1.80 m			
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m)			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Cloudy		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4818/01/2015 14:55:12 			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW281 Sheet 1 of 1		

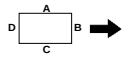
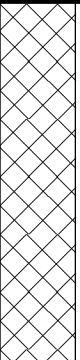
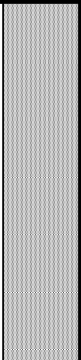
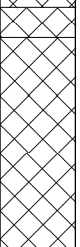
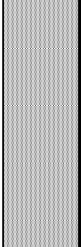
Logged AW Checked AP	Start 16/10/2014 End 16/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 3.0m Terminated on bedrock.	Dimensions and Orientation Width 1.30 m Length 6.00 m A B C D ➔		Ground Level Coordinates National Grid Chainage	- - -	
Samples and Tests			Strata				
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments	
0.50	ES 1		1 Orangish brown slightly clayey gravelly fine to coarse SAND. Gravel is subangular to subrounded, fine to coarse of sandstone. (VO = 1,2)	(0.70)			
1.50	ES 2		2 Grey slightly silty sandy subangular to subrounded, fine to coarse GRAVEL of sandstone with high cobble content. Sand is fine to coarse. Cobbles are subangular to subrounded of sandstone. (VO = 2,2)	0.70			
2.50	ES 3			(2.30)			
			EXPLORATORY HOLE ENDS AT 3.00 m	3.00			
Depth	Type & No.	Records Date					
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)		Stability Stable Shoring None Weather Dry		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4818/01/2015 14:55:14			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit NSW282 Sheet 1 of 1		

Trial Pit Log

Logged NK Checked AP		Start 14/10/2014 End 14/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 1.2m Terminated on bedrock.	Dimensions and Orientation Width 1.00 m Length 4.00 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata	Depth, Level/ (Thickness) Legend Backfill/ Instruments		
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (MADE GROUND) Light brown slightly sandy slightly gravelly SILT with low cobble content. Sand is fine to medium. Gravel is subangular to subrounded, fine to coarse of mixed lithologies including sandstone, brick and clinker. Cobbles are subangular to subrounded, fine to coarse of sandstone. Frequent rootlets. (VO = 0,0) 0.50 m Cable running B-D	(0.80)		
1.00	ES 2		2 (MADE GROUND) Black gravelly medium to coarse SAND with medium cobble content. Gravel is subangular to subrounded, fine to coarse consisting of mixed lithologies including sandstone, brick and clinker. Cobbles are subangular to subrounded of sandstone. Rare rootlets. (VO = 4,2) 1.20 m Bedrock.	(0.40)		
			EXPLORATORY HOLE ENDS AT 1.20 m	1.20		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Cloudy		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4908/01/2015 16:05:06			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW283 Sheet 1 of 1		

Logged NK Checked AP		Start 14/10/2014 End 14/10/2014		Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 3.9m Terminated on bedrock.		Dimensions and Orientation Width 1.00 m Length 3.50 m A B C D B →		Ground Level Coordinates National Grid Chainage		- - -
Samples and Tests			Strata							
Depth	Type & No.	Date Records	Description					Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (MADE GROUND) Dark brown gravelly medium to coarse SAND. Gravel is subangular to subrounded, fine to coarse of mixed lithologies including sandstone, brick and clinker. Rare rootlets. (VO = 3,2)					(0.80)		
1.50	ES 2		2 (MADE GROUND) Greyish brown gravelly fine to coarse SAND. Gravel is subangular to subrounded, fine to coarse of mixed lithologies including sandstone, brick and clinker. Cobbles are subangular to subrounded occasionally tabular of sandstone. (VO = 1,3)					0.80		
2.50	ES 3							(3.10)		
3.50	ES 4									
			EXPLORATORY HOLE ENDS AT 3.90 m					3.90		
Depth	Type & No.	Records Date								
Groundwater Entries No. Struck Post Strike Behaviour (m)			Depth Related Remarks * From to (m)					Stability Stable Shoring None Weather Cloudy		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4808/01/2015 16.05.09 			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited					Trial Pit NSW284 Sheet 1 of 1		

Trial Pit Log

Logged NK Checked AP	Start 13/10/2014 End 13/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 2.00m Terminated on bedrock.	Dimensions and Orientation Width 1.00 m Length 4.00 m 	Ground Level - Coordinates - National Grid - Chainage -		
Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (MADE GROUND) Light brown slightly sandy gravelly SILT with medium cobble content. Sand is fine to medium. Gravel is subangular to subrounded, fine to coarse of mixed lithologies including sandstone and brick. Cobbles are subangular to subrounded, fine to coarse of sandstone. Frequent rootlets and wood fragments. (VO = 1,0)	(1.20)		
1.20	ES 2		2 (MADE GROUND) Black gravelly, medium to coarse SAND. Gravel is subangular to subrounded, fine to coarse of mixed lithologies including sandstone and brick. Frequent rootlets. (VO = 4,2)	1.20 1.30		
1.80	ES 3		3 (MADE GROUND) Greyish brown slightly silty gravelly, fine to coarse SAND with medium cobble content. Gravel is subangular to subrounded, fine to coarse of mixed lithologies including sandstone, brick and clinker. Cobbles are subangular to subrounded, fine to coarse of sandstone. Rare rootlets and wood fragments. (VO = 2,4)	2.00		
			2.00 m Bedrock. EXPLORATORY HOLE ENDS AT 2.00 m			
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m)			Depth Related Remarks * From to (m)		Stability Stable Shoring None Weather Cloudy	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit NSW285 Sheet 1 of 1	

Trial Pit Log

Logged NK Checked AJ		Start 10/10/2014 End 10/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 2.9m Terminated on bedrock.	Dimensions and Orientation Width 1.00 m Length 4.50 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata	Depth, Level/ (Thickness) Legend Backfill/ Instruments		
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (MADE GROUND) Dark brown locally black slightly sandy gravelly SILT with low cobble content. Sand is fine to medium. Gravel is subangular to subrounded, fine to coarse of sandstone, brick and clinker. Cobbles are subangular to subrounded of sandstone. Occasional rootlets. Localised black areas. (VO = 2,1)	(0.90)		
1.50	ES 2		2 (MADE GROUND) Dark brown slightly sandy very gravelly SILT with medium cobble content. Sand is fine to coarse. Gravel is subangular to subrounded, fine to coarse of sandstone and concrete. Cobbles are subangular to subrounded occasionally tabular of sandstone. Occasional gravel sized pockets of orange medium sand. (VO = 0,1)	0.90 (0.60)		
2.50	ES 3		3 (MADE GROUND) Dark brown gravelly fine to coarse SAND with medium cobble content. Gravel is subangular to subrounded, fine to coarse of sandstone and clinker. Cobbles are subangular to subrounded tabular of sandstone. (VO = 1,2)	1.50 (1.40)		
			EXPLORATORY HOLE ENDS AT 2.90 m	2.90		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m)			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Rain		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW286 Sheet 1 of 1		

Trial Pit Log



Logged NK Checked AJ		Start 10/10/2014 End 10/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 2.3m Terminated on bedrock.	Dimensions and Orientation Width 1.00 m Length 4.00 m 		Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata				
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments	
0.50	ES 1		1 (MADE GROUND) Light brown slightly sandy gravelly SILT with medium cobble content. Sand is fine to medium. Gravel is subangular to subrounded, fine to coarse of sandstone, clinker and concrete. Cobbles are subangular to subrounded, fine to coarse of sandstone and concrete. Occasional gravel sized pockets of orange medium sand. Rare rottlets. (VO = 1,1) 2 (MADE GROUND) Dark brown gravelly fine to coarse SAND with medium cobble content. Gravel is subangular to subrounded, fine to coarse of sandstone, clinker and concrete. Cobbles are subangular to subrounded occasionally tabular of sandstone and concrete. (VO = 1,1)	0.60			
1.50	ES 2			(1.70)			
EXPLORATORY HOLE ENDS AT 2.30 m				2.30			
Depth	Type & No.	Records Date					
Groundwater Entries No. Struck Post Strike Behaviour (m)			Depth Related Remarks * From to (m)		Stability Stable Shoring None Weather Cloudy		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit NSW287 Sheet 1 of 1		



Trial Pit Log



Logged NK Checked AJ		Start 10/10/2014 End 10/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 0.7m Terminated on concrete.	Dimensions and Orientation Width 1.00 m Length 4.00 m A B C D	Ground Level - Coordinates - National Grid - Chainage -
Samples and Tests			Strata		
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend Backfill/ Instruments
0.50	ES 1		1 (MADE GROUND) Greyish brown slightly silty sandy subangular to subrounded, fine to coarse GRAVEL of mixed lithologies including sandstone, clinker and concrete with medium cobble content. Sand is medium to coarse. Cobbles are subangular to subrounded occasionally tabular of sandstone. Frequent rootlets and wood fragments. (VO = 2,1)	(0.70)	
			EXPLORATORY HOLE ENDS AT 0.70 m	0.70 Concrete.	
Depth	Type & No.	Records Date			
Groundwater Entries No. Struck Post Strike Behaviour (m)			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Cloudy	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4824/01/2015 15:43:30 AGS			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW288 Sheet 1 of 1	

Trial Pit Log

Logged NK Checked AP		Start 10/10/2014 End 10/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 1.9m Terminated on bedrock.	Dimensions and Orientation Width 1.00 m Length 4.00 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata	Depth, Level/ (Thickness) Legend Backfill/ Instruments		
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (MADE GROUND) Orangish brown slightly silty gravelly fine to coarse SAND with medium cobble content. Gravel is subangular to subrounded, fine to coarse of mixed lithologies including sandstone and clinker. Cobbles are subangular to subrounded of sandstone. Rare rootlets. (VO = 1,1)	(0.60)		
1.50	ES 2		2 (MADE GROUND) Mainly dark brown slightly silty gravelly SAND with medium cobble content. Sand is fine to coarse. Gravel is subangular to subrounded, fine to coarse consisting of mix lith including sandstone, clinker and brick. Cobbles are subangular to subrounded, fine to coarse consisting of sandstone. Occasional gravel sized orange, fine to medium sand pockets. (VO = 1,0)	(1.30)		
			EXPLORATORY HOLE ENDS AT 1.90 m	1.90		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m)			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Cloudy		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW289 Sheet 1 of 1		

Trial Pit Log



Logged NK Checked AP		Start 24/10/2014 End 24/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 3.1m Terminated on bedrock.	Dimensions and Orientation Width 1.00 m Length 4.00 m A B C D		Ground Level Coordinates National Grid Chainage		- - -
Samples and Tests			Strata					
Depth	Type & No.	Date Records	Description			Depth, Level (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (MADE GROUND) Yellowish brown gravelly slightly silty fine to medium SAND with medium cobble content. Gravel is subangular to subrounded, fine to coarse of sandstone, brick and siltstone. Cobbles are subangular to subrounded of sandstone. Occasional cobble sized pockets of ash and brick gravel. (VO = 1,0)			(1.50)		
1.50	ES 2		2 Greyish brown gravelly medium to coarse SAND with medium cobble content. Gravel is subangular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded of sandstone. (VO = 1,1)			1.50		
2.50	ES 3					(1.60)		
			EXPLORATORY HOLE ENDS AT 3.10 m			3.10		
			3.10 m Bedrock					
Depth	Type & No.	Records Date						
Groundwater Entries No. Struck Post Strike Behaviour (m)			Depth Related Remarks * From to (m)			Stability Stable Shoring None Weather Cloudy		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4817/02/2015 15:56:06			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited			Trial Pit NSW29 Sheet 1 of 1		

[illegible]

Trial Pit Log

Logged NK Checked AJ		Start 10/10/2014 End 10/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 2.0m Terminated on bedrock.	Dimensions and Orientation Width 1.00 m Length 4.00 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No.	Date Records	Description			
0.50	ES 1		1 (MADE GROUND) Light brown slightly silty gravelly fine to coarse SAND with high cobble content. Gravel is subangular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded, tabular of sandstone. Localised areas of black sand. Frequent wood fragments. (VO = 1,0)	(0.80)		
1.50	ES 2		2 Dark brown slightly silty sandy subangular to subrounded, fine to coarse GRAVEL of sandstone with high cobble content. Sand is medium to coarse. Cobbles are subangular to subrounded tabular of sandstone. (VO = 0,0)	0.80 (1.20)		
			EXPLORATORY HOLE ENDS AT 2.00 m	2.00		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m)			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Sunny		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW291 Sheet 1 of 1		

Logged NK Checked AJ		Start 10/10/2014 End 10/10/2014		Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 1.4m Terminated on bedrock.		Dimensions and Orientation Width 1.00 m Length 4.00 m A B C D →		Ground Level Coordinates National Grid Chainage		
Samples and Tests			Strata							
Depth	Type & No.	Date Records	Description					Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (MADE GROUND) Dark brown slightly sandy slightly gravelly SILT with medium cobble content. Sand is fine to medium. Gravel is subangular to subrounded, fine to coarse of sandstone and clinker. Cobbles are subangular to subrounded occasionally tabular of sandstone. Occasional gravel sized pockets of orangsh brown medium sand. Frequent wood fragments. (VO = 0,0)					(1.40)		
			EXPLORATORY HOLE ENDS AT 1.40 m					1.40		
Depth	Type & No.	Records Date								
Groundwater Entries No. Struck Post Strike Behaviour (m)			Depth Related Remarks * From to (m)					Stability Stable Shoring None Weather Cloudy		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4824/01/2015 15:44:12			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited					Trial Pit NSW292 Sheet 1 of 1		

Trial Pit Log

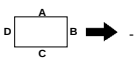
Logged NK Checked AP		Start 13/10/2014 End 13/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 2.1m Terminated on bedrock.	Dimensions and Orientation Width 1.00 m Length 4.00 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata	Depth, Level/ (Thickness) Legend Backfill/ Instruments		
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (MADE GROUND) Dark brown slightly sandy gravelly SILT with low cobble content. Sand is fine to medium. Gravel is subangular to subrounded, fine to coarse of mixed lithologies including sandstone and brick. Cobbles are subangular to subrounded, tabular of sandstone. Occasional rootlets and plastic fragments. Localised blackened areas. (VO = 2,1)	(1.20)		
1.50	ES 2		2 (MADE GROUND) Orangish brown slightly silty gravelly fine to coarse SAND with medium cobble content. Gravel is subangular to subrounded, fine to coarse of mixed lithologies including sandstone, brick and clinker. Cobbles are subangular to subrounded of sandstone. Rare rootlets. (VO = 1,0)	1.20 (0.90)		
			EXPLORATORY HOLE ENDS AT 2.10 m 2.10 m Bedrock	2.10		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Cloudy		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4818/01/2015 14:55:17			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW294 Sheet 1 of 1		

Logged NK Checked AP	Start 13/10/2014 End 13/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 3.6m Terminated on bedrock.	Dimensions and Orientation Width 1.00 m Length 4.00 m		Ground Level - Coordinates - National Grid - Chainage -
Samples and Tests			Strata		
Depth	Type & No.	Date Records	Description	Depth, Level (Thickness)	Legend
0.50	ES 1		1 (MADE GROUND) Dark brown slightly sandy gravelly SILT with medium cobble content. Sand is fine to medium. Gravel is subangular to subrounded, fine to coarse of mixed lithologies including sandstone, brick and clinker. Cobbles are subangular to subrounded, fine to coarse of mixed lithologies including sandstone and brick. Localised blackened areas. Rare rootlets. (VO = 2,2)	(2.40)	
1.50	ES 2				
2.50	ES 3		2 (MADE GROUND) Light brown silty gravelly, fine to coarse SAND with medium cobble content. Gravel is subangular to subrounded, fine to coarse of mixed lithologies including sandstone and clinker. Cobbles are subangular to subrounded of sandstone. (VO = 0,1)	2.40	
3.50	ES 4			(1.20)	
			EXPLORATORY HOLE ENDS AT 3.60 m 3.60 m Bedrock	3.60	
Depth	Type & No.	Records Date			
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Cloudy	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.481301/2015 08:41:19 			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW295 Sheet 1 of 1	

Trial Pit Log

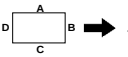
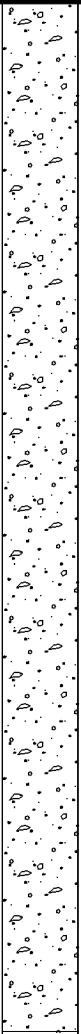


Logged SP Checked AP		Start 25/11/2014 End 25/11/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 0.5m Unable to progress beyond 0.50m.	Dimensions and Orientation Width 1.50 m Length 3.00 m A B C D	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 Soft to firm brown sandy gravelly SILT. Gravel is subangular to well rounded, fine to coarse of sandstone. Sand is fine to coarse. Moderate rootlets. (VO = 0,0)	(0.50)		
			EXPLORATORY HOLE ENDS AT 0.50 m	0.50		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)		Stability Stable Shoring None Weather Rain	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4908/01/2015 16:05:11			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit NSW296 Sheet 1 of 1	

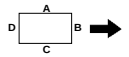
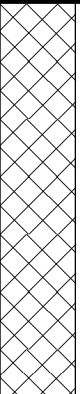
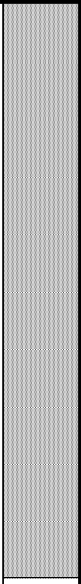
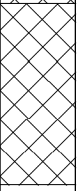
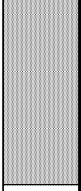
Logged SP Checked AP		Start 25/11/2014 End 25/11/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 0.5m Terminated on bedrock.		Dimensions and Orientation Width 1.50 m Length 3.00 m 		Ground Level Coordinates National Grid Chainage	
Samples and Tests			Strata					
Depth	Type & No.	Date Records	Description			Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 Soft brown sandy gravelly SILT. Gravel is subangular to well rounded, fine to coarse of sandstone. Sand is fine to coarse. Moderate rootlets. (VO = 0,0) EXPLORARY HOLE ENDS AT 0.50 m			(0.50) 0.50		
Depth	Type & No.	Records Date						
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)			Stability Stable Shoring None Weather Rain		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4808/01/2015 16:05:25 			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited			Trial Pit NSW298 Sheet 1 of 1		

Logged NK Checked AP	Start 13/10/2014 End 13/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 3.2m Terminated on bedrock.	Dimensions and Orientation Width 1.00 m Length 3.50 m A B C D E		Ground Level Coordinates National Grid Chainage	
Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level (Thickness)	Legend	Backfill/ Instrument
0.50	ES 1		1 (MADE GROUND) Light brown slightly sandy gravelly SILT with medium cobble content. Sand is fine to medium. Gravel is subangular to subrounded, fine to coarse of mixed lithologies including sandstone and clinker. Cobbles are subangular to subrounded, fine to coarse of sandstone. Frequent rootlets and wood fragments. (VO = 1,0)	(0.80)		
1.50	ES 2		2 (MADE GROUND) Dark brown, slightly sandy gravelly SILT with medium cobble content. Sand is fine to medium. Gravel is subangular to subrounded, fine to coarse of mixed lithologies including sandstone, coal and clinker. Cobbles are subangular to subrounded, fine to coarse of sandstone. Occasional rootlets. Frequent blackened areas. (VO = 3,1)	0.80 (1.50)		
2.50	ES 3		3 (MADE GROUND) Light brown slightly silty gravelly, fine to coarse SAND with medium cobble content. Gravel is subangular to subrounded, fine to coarse of mixed lithologies including sandstone and clinker. Cobbles are subangular to subrounded, fine to coarse of sandstone. (VO = 1,1)	2.30 (0.90)		
			EXPLORARY HOLE ENDS AT 3.20 m	3.20		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Cloudy		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.481301/2015 08:41:22			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW299 Sheet 1 of 1		

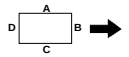
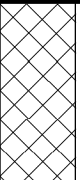
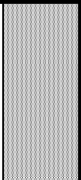
Trial Pit Log

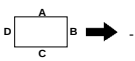
Logged NK Checked AP		Start 27/10/2014 End 27/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 3.4m Terminated on bedrock.	Dimensions and Orientation Width 1.00 m Length 3.50 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 Light brown slightly silty gravelly fine to medium SAND with medium cobble content. Gravel is subangular to subrounded, fine to coarse of sandstone and siltstone. Cobbles are subangular to subrounded, occasionally tabular of sandstone. Rare rootlets. Occasional gravel sized pockets of orange clay. (VO = 0,0)			
1.50	ES 2			(3.40)		
2.50	ES 3					
			EXPLORATORY HOLE ENDS AT 3.40 m 3.40 m Bedrock	3.40		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Rain		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4809/02/2015 14:57:50 			Project Coed Darcy Site-wide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW30 Sheet 1 of 1		

Trial Pit Log

Logged NK Checked AP	Start 13/10/2014 End 13/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 1.9m Terminated on bedrock.	Dimensions and Orientation Width 1.00 m Length 4.00 m 	Ground Level - Coordinates - National Grid - Chainage -		
Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (MADE GROUND) Dark brown slightly silty gravelly, fine to medium SAND with low cobble content. Gravel is subangular to subrounded, fine to coarse of mixed lithologies including sandstone, brick and clinker. Cobbles are subangular to subrounded occasionally tabular of mixed lithologies including sandstone and brick. Rare rootlets. (VO = 1,1)	(1.30)		
1.50	ES 2		2 (MADE GROUND) Orangish brown slightly silty gravelly, fine to coarse SAND with medium cobble content. Gravel is subangular to subrounded, fine to coarse of mixed lithologies including sandstone, brick and clinker. Cobbles are subangular to subrounded of sandstone. Occasional gravel sized pockets of orange medium sand. (VO = 0,0)	1.30 (0.60)		
			 1.90 m Bedrock EXPLORATORY HOLE ENDS AT 1.90 m	1.90		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m)			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Rain		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW300 Sheet 1 of 1		

Trial Pit Log

Logged NK Checked AP		Start 13/10/2014 End 13/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 0.9m Terminated on bedrock.	Dimensions and Orientation Width 1.00 m Length 4.00 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (MADE GROUND) Dark brown slightly silty gravelly SAND with low cobble content. Sand is fine to medium. Gravel is subangular to subrounded, fine to coarse of mixed lithologies including sandstone and clinker. Cobbles are subangular to subrounded, fine to coarse of sandstone. Rare rootlets. (VO = 1,1)	0.60		
0.80	ES 2		2 (MADE GROUND) Orangish brown sandy gravelly SILT with medium cobble. Sand is fine to medium. Gravel is subangular to subrounded, fine to coarse of mixed lithologies including sandstone and clinker. Cobbles are subangular to subrounded tabular of sandstone. (VO = 0,0)	0.90		
			0.40 m Cable from Face B to Face D. 0.90 m Bedrock. EXPLORATORY HOLE ENDS AT 0.90 m			
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Cloudy,rain		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW301 Sheet 1 of 1		

Logged SP Checked AP		Start 27/11/2014 End 27/11/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 0.3m Terminated due to water ingress.		Dimensions and Orientation Width 1.40 m Length 3.00 m 		Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata					
Depth	Type & No.	Date Records	Description			Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
		*	1 Dark brown clayey slightly gravelly, fine to coarse SAND. Gravel is angular to well rounded of sandstone. (VO = 3,3)			(0.30)		
			EXPLOATORY HOLE ENDS AT 0.30 m			0.30		
Depth	Type & No.	Records Date						
Groundwater Entries No. Struck Post Strike Behaviour (m)			Depth Related Remarks * From to (m) 0.00 No Samples Obtained			Stability Stable Shoring None Weather Cloudy		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4813/01/2015 15:06:54 			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited			Trial Pit NSW302 Sheet 1 of 1		

Trial Pit Log



Logged NK Checked AP		Start 13/10/2014 End 13/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 0.4m Terminated on concrete slab.	Dimensions and Orientation Width 1.00 m Length 4.00 m A B C D		Ground Level Coordinates National Grid Chainage		- - -
Samples and Tests			Strata					
Depth	Type & No.	Date Records	Description			Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.40	ES 1		1 (MADE GROUND) Dark brown slightly sandy gravelly SILT with low cobble content. Sand is fine to medium. Gravel is subangular to subrounded, fine to coarse of mixed lithologies including sandstone, brick and concrete. Cobbles are subangular to subrounded of sandstone. Occasional rootlets. (VO = 2,2) 0.40 m Concrete slab. EXPLORATORY HOLE ENDS AT 0.40 m			0.40		
Depth	Type & No.	Records Date						
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)			Stability Stable Shoring None Weather Cloudy		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4818/01/2015 14:55:20 AGS			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited			Trial Pit NSW303 Sheet 1 of 1		

Trial Pit Log



Logged NK Checked AP		Start 13/10/2014 End 13/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 0.4m Terminated on bedrock.	Dimensions and Orientation Width 1.00 m Length 4.00 m A B C D	Ground Level - Coordinates - National Grid - Chainage -
Samples and Tests			Strata		
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend Backfill/ Instruments
0.40	ES 1		1 (MADE GROUND) Dark brown silty slightly sandy subangular to subrounded, fine to coarse GRAVEL of mixed lithologies including sandstone and clinker with medium cobble content. Sand is fine to coarse. Cobbles are subangular to subrounded of sandstone. Occasional rootlets. Frequent wood and plastic fragments. (VO = 2,1) EXPLORATORY HOLE ENDS AT 0.40 m	(0.40) 0.40	
Depth	Type & No.	Records Date			
Groundwater Entries No. Struck Post Strike Behaviour (m)			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Cloudy	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4818/01/2015 14:55:22 AGS			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW304 Sheet 1 of 1	

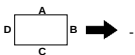
Trial Pit Log

Logged NK Checked AP		Start 13/10/2014 End 13/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 0.4m Terminated due to water ingress.		Dimensions and Orientation Width 1.00 m Length 3.50 m A D-----B C ➔		Ground Level Coordinates National Grid Chainage	
Samples and Tests			Strata					
Depth	Type & No.	Date Records	Description			Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.30	ES 1		1 (MADE GROUND) Dark red slightly sandy subangular to subrounded, fine to coarse GRAVEL of sandstone, brick and clinker with high cobble content. Sand is coarse. Cobbles are subangular to subrounded, fine to coarse consisting of sandstone and brick. Localised blackened staining. (VO = 2,2) EXPLORATORY HOLE ENDS AT 0.40 m			(0.40) 0.40		1
Depth	Type & No.	Records Date						
Groundwater Entries No. Struck Post Strike Behaviour (m) 1 0.40 Groundwater strike - fast inflow.			Depth Related Remarks * From to (m)			Stability Stable Shoring None Weather Cloudy		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4809/01/2015 08:57:03			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited			Trial Pit NSW305 Sheet 1 of 1		

Trial Pit Log



Logged SP Checked AP		Start 27/11/2014 End 27/11/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 0.3m Terminated due to concrete.	Dimensions and Orientation Width 1.50 m Length 3.00 m A B C D →	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
		*	1 (MADE GROUND) Dark brown clayey gravelly, fine to coarse SAND with low cobble content. Gravel is angular to well rounded, fine to coarse of mixed lithologies of sandstone and occasional brick. Cobbles are angular to well rounded of mixed lithologies including sandstone, brick and concrete. (VO = 0,0) 0.30 m Concrete. EXPLORATORY HOLE ENDS AT 0.30 m	(0.30) 0.30		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m) 0.00 No Samples Obtained.	Stability Stable Shoring None Weather Cloudy		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. (c) ESG www.esg.co.uk 426.4813/01/2015 15:06:56 AGS			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW306 Sheet 1 of 1		

Logged NK Checked AJ		Start 10/10/2014 End 10/10/2014		Equipment, Methods and Remarks komatsu PC210 Machine excavated trial pit from GL to 2.3m Terminated on bedrock.		Dimensions and Orientation Width 1.00 m Length 4.00 m 		Ground Level Coordinates National Grid Chainage	
Samples and Tests				Strata					
Depth		Type & No.		Date Records		Description		Depth, Level/ (Thickness)	
0.50		ES 1				1 (MADE GROUND) Light brown slightly sandy gravelly SILT with low cobble content. Sand is fine. Gravel is subangular to subrounded, fine to coarse of mixed lithologies including sandstone, brick and clinker. Cobbles are subangular to subrounded of sandstone. Rare rootlets. Localised black areas. (VO = 2,2)		(0.80)	
1.50		ES 2				2 (MADE GROUND) Dark brown slightly silty gravelly fine to coarse SAND with medium cobble content. Sand is fine to coarse. Gravel is subangular to subrounded, fine to coarse of mixed lithologies including sandstone and clinker. Cobbles are subangular to subrounded tabular of sandstone. (VO = 1,1)		(1.50)	
						EXPLORATORY HOLE ENDS AT 2.30 m 2.30 m Bedrock		2.30	
Depth		Type & No.		Records Date					
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)				Depth Related Remarks * From to (m)				Stability Stable Shoring None Weather Cloudy	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4824/01/2015 15:44:16 				Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited				Trial Pit NSW307 Sheet 1 of 1	

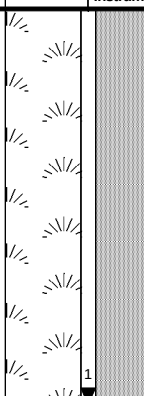
Trial Pit Log

Logged NK Checked AP		Start 10/10/2014 End 10/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 2.8m Terminated on bedrock.	Dimensions and Orientation Width 1.00 m Length 4.00 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata	Depth, Level, (Thickness), Legend, Backfill/ Instruments		
Depth	Type & No.	Date Records	Description	Depth, Level, (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (MADE GROUND) Light brown locally stained black slightly silty slightly gravelly fine to coarse SAND with low cobble content. Gravel is subangular to subrounded, fine to coarse of sandstone, clinker, concrete and brick. Cobbles are subangular to subrounded, fine to coarse of sandstone and brick. Occasional rootlets. (VO = 3,3)	(0.80)		
1.50	ES 2		2 (MADE GROUND) Dark brown slightly sandy gravelly SILT. Sand is fine to medium. Gravel is subangular to subrounded, fine to coarse of sandstone and clinker. (VO = 2,3)	0.80 (1.00)		
2.50	ES 3		3 (MADE GROUND) Dark brown slightly gravelly fine to coarse SAND with low cobble content. Gravel is subangular to subrounded, fine to coarse of sandstone and clinker. Cobbles are subangular to subrounded occasionally tabular of sandstone. (VO = 1,2)	1.80 (1.00)		
			EXPLORATORY HOLE ENDS AT 2.80 m 2.80 m Bedrock	2.80		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m)			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Cloudy		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4824/01/2015 15:44:18			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW308 Sheet 1 of 1		

Logged NK Checked AP	Start 13/10/2014 End 13/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 0.4m Terminated on concrete slab.	Dimensions and Orientation Width 1.00 m Length 3.00 m A D B C ➔		Ground Level Coordinates National Grid Chainage	
Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level (Thickness)	Legend	Backfill/Instrument
0.40	ES 1		1 (MADE GROUND) Dark brown slightly sandy gravelly SILT with medium cobble content. Sand is fine to coarse. Gravel is subangular to subrounded, fine to coarse of mixed lithologies including sandstone, brick and clinker. Cobbles are subangular to subrounded, fine to coarse of sandstone. Frequent rootlets. (VO = 1,0) 0.40 m Concrete EXPLORATORY HOLE ENDS AT 0.40 m	(0.40) 0.40		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)		Stability Stable Shoring None Weather Cloudy	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4813/01/2015 08:41:29 ESG			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit NSW309 Sheet 1 of 1	

Logged NK Checked AP	Start 24/10/2014 End 24/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 2.4m Terminated on bedrock.	Dimensions and Orientation Width 1.00 m Length 4.00 m		Ground Level - Coordinates - National Grid - Chainage -
Samples and Tests			Strata		
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend
0.50	ES 1		1 (MADE GROUND) Light brown slightly gravelly slightly silty fine to medium SAND with medium cobble content. Gravel is subangular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded, occasionally tabular of sandstone. (VO = 0,0)	0.00-1.00 m Occasional cobble sized pockets of ash and dark brown silt.	
1.50	ES 2			(2.40)	
			EXPLORATORY HOLE ENDS AT 2.40 m	2.40 m Bedrock.	
Depth	Type & No.	Records Date			
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)		Stability Stable Shoring None Weather Cloudy
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4818/02/2015 14:01:35			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit NSW31 Sheet 1 of 1

Trial Pit Log

Logged JC Checked AP		Start 14/10/2014 End 14/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 1.30m Terminated due to groundwater.		Dimensions and Orientation Width 1.50 m Length 3.80 m A D-----B C ➔		Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata					
Depth	Type & No.	Date Records	Description			Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 Spongy brown sandy slightly gravelly fibrous PEAT with frequent rootlets and rare branches and logs. Gravel is angular to subrounded, fine to coarse of sandstone. Sand is fine to coarse. (VO = 0,0)			(1.30)		
			EXPLORATORY HOLE ENDS AT 1.30 m			1.30		
Depth	Type & No.	Records Date						
Groundwater Entries No. Struck Post Strike Behaviour (m) 1 1.30 Fast inflow.			Depth Related Remarks * From to (m)			Stability Stable Shoring None Weather Cloudy,windy		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4815/01/2015 15:30:28			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited			Trial Pit NSW310 Sheet 1 of 1		

Trial Pit Log

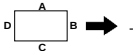
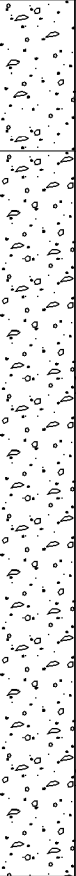
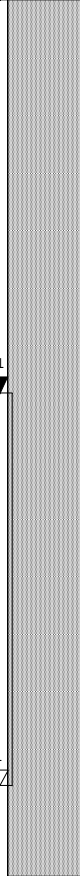
Logged SM Checked AP		Start 09/10/2014 End 09/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 4.7m Terminated at maximum reach of excavator.	Dimensions and Orientation Width 1.40 m Length 2.60 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata	Depth, Level/ (Thickness) Legend Backfill/ Instruments		
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (MADE GROUND) Light brown slightly clayey slightly gravelly SILT. Gravel is subrounded to rounded fine to coarse of sandstone and brick. Frequent roots. (VO = 0,0)	(1.00)		
2.50	ES 2		2 (MADE GROUND) Brown silty slightly gravelly fine to coarse SAND with low cobble content. Gravel is subrounded to rounded medium of sandstone and brick. Cobbles are subangular to subrounded to sandstone and brick. (VO = 2,2)	(2.00)		
3.50	ES 3		3 Grey silty fine SAND with low cobble content. Cobbles are angular to subangular of sandstone. (VO = 1,1)	(1.70)		
			EXPLORATORY HOLE ENDS AT 4.70 m	4.70		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Rain		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25			Project Coed Darcy Site-wide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW311 Sheet 1 of 1		

Logged JC Checked AP	Start 14/10/2014 End 14/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 1.20m Terminated on possible rock.	Dimensions and Orientation Width 1.70 m Length 4.00 m		Ground Level - Coordinates - National Grid - Chainage -
Samples and Tests			Strata		
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend
0.50	ES 1		1 Light grey frequently stained dark grey slightly silty SAND and GRAVEL with low to medium cobble content. Sand is fine to coarse. Gravel is angular to subrounded, fine to coarse of sandstone. Cobbles are angular to subangular of sandstone. Strong hydrocarbon odour. (VO = 3,3)	(1.20)	
1.50	ES 2		EXPLORATORY HOLE ENDS AT 1.20 m 1.20 m Possible bedrock.	1.20	
Depth	Type & No.	Records Date			
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)		Stability Stable Shoring None Weather Cloudy,windy
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4804/02/2015 13:38:55 			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit NSW312 Sheet 1 of 1

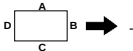
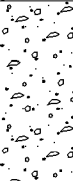
Trial Pit Log



Logged JC Checked AP		Start 14/10/2014 End 14/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 2.20m Unable to progress through cobbles.	Dimensions and Orientation Width 1.50 m Length 3.70 m A B C D		Ground Level Coordinates National Grid Chainage		- - -
Samples and Tests			Strata					
Depth	Type & No.	Date Records	Description			Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
		*	1 Light grey frequently stained dark grey slightly silty SAND and GRAVEL with low to medium cobble content. Sand is fine to coarse. Gravel is angular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded of sandstone. Strong hydrocarbon odour. (VO = 2,3)			(2.20)		
			EXPLORATORY HOLE ENDS AT 2.20 m			2.20		
Depth	Type & No.	Records Date						
Groundwater Entries No. Struck Post Strike Behaviour (m)			Depth Related Remarks * From to (m) 0.00 2.20 No Samples Obtained.			Stability Stable Shoring None Weather Cloudy,windy		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. (c) ESG www.esg.co.uk 426.4815/01/2015 15:30:38			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited			Trial Pit NSW313 Sheet 1 of 1		

Logged JC	Start 15/10/2014	Equipment, Methods and Remarks	Dimensions and Orientation		Ground Level	
Checked AP	End 15/10/2014	Komatsu PC210 Machine excavated trial pit from GL to 2.90m Unable to progress through cobbles.	Width 1.70 m Length 4.10 m		Coordinates	
					National Grid	
Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.25	ES 1		1 Greyish brown slightly silty locally silty gravelly, fine to coarse SAND with low cobble content. Gravel is angular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded of sandstone. Faint hydrocarbon odour. (VO = 0,1)	(0.50)		
1.50	ES 2		2 Light grey frequently stained grey slightly silty SAND and GRAVEL with low to medium cobble content. Sand is fine to coarse. Gravel is angular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded of sandstone. Strong hydrocarbon odour. (VO = 2,3)	0.50		
2.50	ES 3			(2.40)		
			EXPLORATORY HOLE ENDS AT 2.90 m	2.90		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) 1 1.30 Rose to 2.60 m after 10 minutes. Seepage			Depth Related Remarks * From to (m)		Stability Slight collapse Shoring None Weather Cloudy,breezy	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4815/01/2015 15:30:45			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit NSW314 Sheet 1 of 1	

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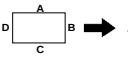
Logged JC	Start 15/10/2014	Equipment, Methods and Remarks	Dimensions and Orientation		Ground Level	
Checked AP	End 15/10/2014	Komatsu PC210 Machine excavated trial pit from GL to 1.80m Terminated as no progress through cobbles.	Width 1.40 m Length 3.20 m		Coordinates - National Grid - Chainage -	
Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 Brown occasionally stained grey slightly silty locally silty gravelly, fine to coarse SAND with low cobble content. Gravel is angular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded of sandstone. (VO = 1,0)	(1.20)		
1.50	ES 2		2 Light grey frequently stained grey SAND and GRAVEL with low to medium cobble content. Sand is fine to coarse. Gravel is angular to subrounded, fine to coarse of sandstone. Cobbles are angular to subangular of sandstone. (VO = 2,1)	1.20 (0.60)		
			EXPLORATORY HOLE ENDS AT 1.80 m	1.80		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)		Stability Stable Shoring None Weather Cloudy,s.breeze	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4815/01/2015 15:30:53			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit NSW316 Sheet 1 of 1	

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Trial Pit Log

Logged JC	Start 15/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 1.00m Terminated on hard strata.	Dimensions and Orientation Width 1.50 m Length 3.40 m		Ground Level Coordinates National Grid Chainage	
Checked AP	End 15/10/2014		A B C D			

Trial Pit Log

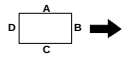
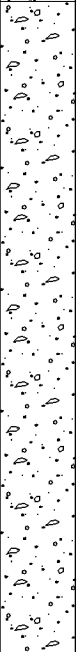
Logged JC Checked AP		Start 13/10/2014 End 13/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 1.50m. Terminated on possible concrete.	Dimensions and Orientation Width 1.50 m Length 4.00 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata	Depth, Level/ (Thickness) Legend Backfill/ Instruments		
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 Brown slightly silty gravelly fine to coarse SAND with low cobble content. Gravel is angular to subrounded fine to coarse of sandstone. Cobbles are subangular to subrounded of sandstone. (VO = 2,1)	(1.50)		
1.50	ES 2		EXPLORATORY HOLE ENDS AT 1.50 m	1.50		
			1.50 m Possible concrete.			
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Dry		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4806/02/2015 11:12:58 			Project Coed Darcy Site-wide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW319 Sheet 1 of 1		

Logged NK Checked AP	Start 24/10/2014 End 24/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 2.8m Terminated on bedrock.	Dimensions and Orientation Width 1.00 m Length 4.00 m A B C D E	Ground Level Coordinates National Grid Chainage		
Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (MADE GROUND) Light brown gravelly slightly silty fine to coarse SAND of ash with low cobble content. Gravel is subangular to subrounded, fine to coarse of sandstone and brick. Cobbles are subangular to subrounded, occasionally tabular of sandstone. (VO = 0,0)	0.00-1.00 m Frequent cobble sized pockets of ash.		
1.50	ES 2			(2.80)		
2.50	ES 3					
			EXPLORATORY HOLE ENDS AT 2.80 m	2.80		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) 1 0.50 Seepage from C side.			Depth Related Remarks * From to (m)		Stability Stable Shoring None Weather Cloudy	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4818/02/2015 14:01:40 			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit NSW32 Sheet 1 of 1	

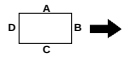
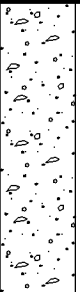
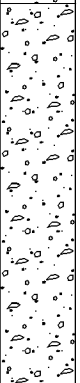
Trial Pit Log

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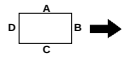
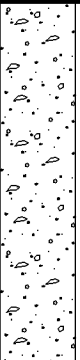
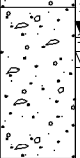
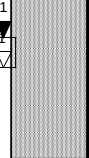
Trial Pit Log

Logged JC Checked AP	Start 13/10/2014 End 13/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 3.90m Unable to progress through cobbles.	Dimensions and Orientation Width 1.80 m Length 4.30 m 	Ground Level Coordinates National Grid Chainage		
Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 Brown occasionally stained grey slightly silty locally silty gravelly, fine to coarse SAND with low cobble content. Gravel is angular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded of sandstone. Faint hydrocarbon odour. (VO = 1,1)	(0.90)		
1.50	ES 2		2 Very soft to soft orangish light brown, slightly clayey sandy SILT. Sand is fine to medium. (VO = 1,2)	(0.80)		
2.50	ES 3		3 Light grey occasionally heavily stained slightly silty gravelly, fine to coarse SAND with low to medium cobble content. Gravel is angular to subrounded, fine to coarse of sandstone. Cobbles are angular to subangular of sandstone. Strong hydrocarbon odour. (VO = 3,3)	(2.20)		
3.50	ES 4					
			EXPLORATORY HOLE ENDS AT 3.90 m	3.90		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) 1 1.70 Seepages with oily sheen on surface.			Depth Related Remarks * From to (m)		Stability Stable Shoring None Weather Cloudy,windy	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit NSW321 Sheet 1 of 1	

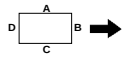
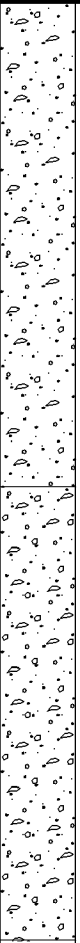
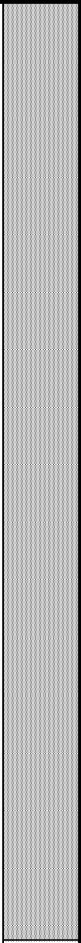
Trial Pit Log

Logged JC Checked AP	Start 13/10/2014 End 13/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 3.00m Unable to progress through cobbles.	Dimensions and Orientation Width 1.60 m Length 4.20 m 	Ground Level - Coordinates - National Grid - Chainage -		
Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 Brown slightly silty gravelly, fine to coarse SAND with low cobble content. Gravel is angular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded of sandstone. (VO = 0,0)	(1.00)		
1.50	ES 2		2 Light brown occasionally stained light grey slightly silty SAND and GRAVEL with medium cobble content. Sand is fine to coarse. Gravel is angular to subrounded of sandstone. Cobbles are subangular to subrounded of sandstone. Faint hydrocarbon odour. (VO = 1,1)	1.00 (1.30)		
2.50	ES 3		3 Light grey occasionally heavily stained dark grey slightly silty gravelly, fine to coarse SAND with low to medium cobble content. Gravel is angular to subrounded, fine to coarse of sandstone. Cobbles are angular to subangular of sandstone. Strong hydrocarbon odour. (VO = 3,3)	2.30 (0.70)		
			EXPLORATORY HOLE ENDS AT 3.00 m	3.00		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m)			Depth Related Remarks * From to (m)		Stability Stable Shoring None Weather Cloudy,windy	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit NSW322 Sheet 1 of 1	

Trial Pit Log

Logged JC Checked AP	Start 13/10/2014 End 13/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 1.70m Terminated due to water ingress.	Dimensions and Orientation Width 1.40 m Length 3.80 m 	Ground Level - Coordinates - National Grid - Chainage -		
Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 Brown slightly silty locally silty slightly gravelly, fine to coarse SAND with low cobble content. Gravel is angular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded of sandstone. (VO = 0,0)	(1.20)		
1.50	ES 2		2 Orangish brown and light brown silty slightly gravelly, fine to coarse SAND with low cobble content. Gravel is subangular to subrounded. Cobbles are subangular to subrounded of sandstone. (VO = 0,0)	1.20 (0.50)		
			EXPLORATORY HOLE ENDS AT 1.70 m	1.70		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) 1 1.30 Rose to 1.40 m after 10 minutes. Seepages			Depth Related Remarks * From to (m)		Stability Stable Shoring None Weather Cloudy,windy	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit NSW323 Sheet 1 of 1	

Trial Pit Log

Logged JC Checked AP	Start 13/10/2014 End 13/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 3.10m Unable to progress through cobbles.	Dimensions and Orientation Width 1.60 m Length 4.10 m 		Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 Light brown occasionally stained grey silty gravelly, fine to coarse SAND with low cobble content. Gravel is angular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded of sandstone. Faint hydrocarbon odour. (VO = 1,1)	(1.60)		
1.50	ES 2			1.60		
2.50	ES 3		2 Light grey frequently stained grey slightly silty SAND and GRAVEL with low to medium cobble content. Sand is fine to coarse. Gravel is angular to subrounded of sandstone. Cobbles are angular to subangular of sandstone. Strong hydrocarbon odour. (VO = 2,3)	(1.50)		
			EXPLORATORY HOLE ENDS AT 3.10 m	3.10		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m)			Depth Related Remarks * From to (m)		Stability Stable Shoring None Weather Cloudy,windy	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit NSW324 Sheet 1 of 1	

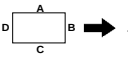
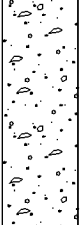
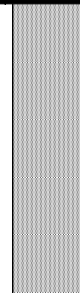
Trial Pit Log

Logged SP Checked AP		Start 27/11/2014 End 27/11/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 4.0m Terminated at maximum reach of excavator.	Dimensions and Orientation Width 1.30 m Length 3.00 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata	Depth, Level/ (Thickness) Legend Backfill/ Instruments		
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
		*	1 (MADE GROUND) Soft dark brown sandy slightly gravelly SILT. Gravel is subangular to well rounded, fine to coarse of sandstone. Sand is fine to coarse. Moderate rootlets. (VO = 0,0)	(1.00)		
			2 (MADE GROUND) Soft light brown gravelly sandy SILT with low cobble content. Gravel is subangular to well rounded, fine to coarse of sandstone. Sand is fine to coarse. Cobbles are subangular to well rounded of sandstone. Occasional plastic pipe. (VO = 0,0)	1.00 (1.00)		
			3 Light grey clayey gravelly, fine to coarse SAND. Gravel is subangular to well rounded, fine to coarse of sandstone. (VO = 1,2)	2.00 (2.00)		
			EXPLORATORY HOLE ENDS AT 4.00 m	4.00		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m)			Depth Related Remarks * From to (m) 0.00 4.00 No Samples Obtained.	Stability Stable Shoring None Weather Sunny		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW325 Sheet 1 of 1		

Trial Pit Log

Logged AW Checked AP		Start 15/10/2014 End 15/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 2.0m Unable to progress beyond 4.50m	Dimensions and Orientation Width 1.00 m Length 6.00 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata	Depth, Level, (Thickness), Legend, Backfill/ Instruments		
Depth	Type & No.	Date Records	Description	Depth, Level, (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (MADE GROUND) Brown slightly clayey gravelly, fine to coarse SAND. Gravel is subangular to subrounded, fine to coarse of sandstone and brick. Occasional plastic. (VO = 0,0)	(0.90)		
1.50	ES 2		2 Orangish brown slightly silty gravelly, fine to coarse SAND with low cobble content. Gravel is subangular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded of sandstone. (VO = 0,1)	0.90 (1.10)		
2.50	ES 3		3 Grey slightly silty gravelly, fine to coarse SAND. Gravel is subangular to subrounded, fine to coarse of sandstone. (VO = 3,2) becoming (VO = 1,2) from 3.5m depth.	2.00 (2.50)		
3.50	ES 4					
			EXPLORATORY HOLE ENDS AT 4.50 m	4.50		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)	Stability Some collapse. Shoring None Weather Drizzle,rain		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4815/01/2015 15:30:57			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW326 Sheet 1 of 1		

Trial Pit Log

Logged AW Checked AP		Start 15/10/2014 End 15/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 5.0m Terminated at maximum reach of excavator.	Dimensions and Orientation Width 1.30 m Length 6.00 m 	Ground Level - Coordinates - National Grid - Chainage -		
Samples and Tests			Strata				
Depth	Type & No.	Date Records	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments	
0.50	ES 1		1 Brown TOPSOIL with frequent roots and rootlets.	0.20			
			2 Orangish brown slightly clayey gravelly, fine to coarse SAND. Gravel is subangular to rounded, fine to coarse of sandstone. (VO = 0,0)	(0.80)			
1.50	ES 2		3 Greyish brown becoming grey with depth slightly silty gravelly, fine to coarse SAND. Gravel is subangular to subrounded, fine to coarse of sandstone. (VO = 1,0) becoming (VO = 2,2) from 3.50m depth.	1.00			
2.50	ES 3			(4.00)			
3.50	ES 4						
4.50	ES 5						
Depth	Type & No.	Records Date	EXPLORATORY HOLE ENDS AT 5.00 m				
Groundwater Entries No. Struck Post Strike Behaviour (m) 1 2.00 Oozing.			Depth Related Remarks * From to (m)		Stability Some collapse Shoring None Weather Drizzle		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4815/01/2015 15:31:01 			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit NSW327 Sheet 1 of 1		

Trial Pit Log



Logged AW Checked AP		Start 16/10/2014 End 16/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 4.2m Terminated due to collapse.	Dimensions and Orientation Width 1.00 m Length 6.00 m A B C D		Ground Level Coordinates National Grid Chainage		- - -
Samples and Tests			Strata					
Depth	Type & No.	Date Records	Description			Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (TOPSOIL) Grey silty fine to coarse SAND.			0.20		
1.50	ES 2		2 Orangish brown slightly silty gravelly fine to coarse SAND. Gravel is subangular to rounded, fine to coarse of quartz and sandstone. (VO = 1,0)			(1.80)		
2.50	ES 3		3 Grey slightly silty gravelly fine to coarse SAND with high cobble content. Gravel is subangular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded of sandstone. (VO = 2,2) becoming (VO = 3,2) from 3.50m depth.			2.00		
3.50	ES 4					(2.20)		
			EXPLORATORY HOLE ENDS AT 4.20 m			4.20		
Depth	Type & No.	Records Date						
Groundwater Entries No. Struck Post Strike Behaviour (m) 1 3.00 Oozing from sides and flowing.			Depth Related Remarks * From to (m)			Stability Some collapse Shoring None Weather Dry		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. (c) ESG www.esg.co.uk 426.4818/01/2015 14:55:25 AGS			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited			Trial Pit NSW328 Sheet 1 of 1		

Trial Pit Log



Logged AW Checked AP		Start 16/10/2014 End 16/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 2.0m Terminated due to collapse.	Dimensions and Orientation Width 1.30 m Length 6.00 m A B C D		Ground Level Coordinates National Grid Chainage		- - -
Samples and Tests			Strata					
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments		
0.50	ES 1		1 Grey TOPSOIL.	0.20				
1.50	ES 2		2 Brown slightly silty gravelly, fine to coarse SAND with low cobble content. Gravel is subangular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded of sandstone. (VO = 0,0) becoming (VO = 0,1) from 1.5m depth.	(1.80)				
2.50	ES 3		3 Grey slightly silty gravelly, fine to coarse SAND with some cobbles. Gravel is subangular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded of sandstone. (VO = 2,0) becoming (VO = 2,2) from 3.5m.	2.00 (2.00)				
3.50	ES 4			4.00				
			EXPLORATORY HOLE ENDS AT 4.00 m					
Depth	Type & No.	Records Date						
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)		Stability Collapsing Shoring None Weather Dry			
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. (c) ESG www.esg.co.uk 426.4815/01/2015 15:31:04 AGS			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit NSW329 Sheet 1 of 1			

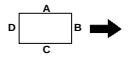
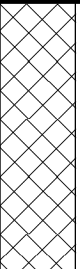
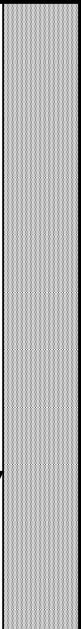
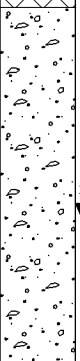
Trial Pit Log



Logged NK Checked AP		Start 24/10/2014 End 24/10/2014	Equipment, Methods and Remarks Komatsu PC210 machine excavated trial pit from GL to 2.3m Terminated on bedrock.	Dimensions and Orientation Width 1.00 m Length 3.50 m A B C D		Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata				
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments	
0.50	ES 1		1 (MADE GROUND) Yellowish brown slightly gravelly fine to medium SAND with low cobble content. Gravel is subangular to subrounded, fine to coarse of sandstone, brick and clinker. Cobbles are subangular to subrounded of sandstone. Occasional cobble sized pockets of clinker and brick. (VO = 0,0)	(1.00)			
1.50	ES 2		2 Greyish brown gravelly medium to coarse SAND with medium cobble content. Gravel is subangular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded of sandstone. (VO = 1,1)	1.00 (1.30)			
			EXPLORATORY HOLE ENDS AT 2.30 m	2.30			
			2.30 m 'Bedrock'				
Depth	Type & No.	Records Date					
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)		Stability Stable Shoring None Weather Cloudy		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit NSW33 Sheet 1 of 1		



Trial Pit Log

Logged JC Checked AP	Start 13/10/2014 End 13/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 2.10m Terminated due to water ingress.	Dimensions and Orientation Width 1.50 m Length 3.90 m 	Ground Level - Coordinates - National Grid - Chainage -		
Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (MADE GROUND) Greyish brown occasionally stained dark grey slightly silty locally silty gravelly, fine to coarse SAND with low cobble content. Gravel is angular to subrounded, fine to coarse of sandstone. Cobbles are angular to subangular of sandstone and occasional brick. Faint hydrocarbon odour. (VO = 1,1)	(0.90)		
1.50	ES 2		2 Orangish brown frequently stained grey slightly silty gravelly, fine to coarse SAND with low cobble content. Gravel is subangular to subrounded, fine to coarse of sandstone. Cobbles are angular to subrounded of sandstone. (VO = 2,0)	(1.20)		
			EXPLORATORY HOLE ENDS AT 2.10 m	2.10		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) 1 1.60 Seepages			Depth Related Remarks * From to (m)		Stability Stable Shoring None Weather Cloudy, windy	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit NSW330 Sheet 1 of 1	

Trial Pit Log

Logged SP Checked AP	Start 24/11/2014 End 24/11/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 4.5m Terminated at maximum reach of excavator.	Dimensions and Orientation Width 1.50 m Length 3.00 m	Ground Level Coordinates National Grid Chainage		
Samples and Tests		Strata				
Depth	Type & No.	Date Records	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 Dark greyish brown clayey gravelly, fine to coarse SAND with low cobble content. Gravel is angular to well rounded, fine to coarse of sandstone and occasional brick. Cobbles are angular to well rounded of sandstone and occasional brick. (VO = 1,1)	(1.00)		
1.50	ES 2		2 Grey mottled black clayey gravelly, fine to coarse SAND with low cobble content. Gravel is subangular to well rounded, fine to coarse of sandstone and occasional siltstone. Cobbles are subangular to well rounded of sandstone and occasional siltstone. (VO = 3,2)	1.00		
				(3.50)		
				4.50		
			EXPLORATORY HOLE ENDS AT 4.50 m			
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Cold		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW331 Sheet 1 of 1		

Trial Pit Log

Logged JC Checked AJ		Start 10/10/2014 End 10/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 4.10m Terminated on possible bedrock.	Dimensions and Orientation Width 1.60 m Length 4.20 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.10	ES 1		1 (MADE GROUND) Red and black SAND and GRAVEL with low cobble content. Sand is fine to coarse of ash. Gravel is angular to subangular, fine to coarse of sandstone and clinker. Cobbles are angular to subangular of brick and clinker. (VO = 1,0)	0.20		
0.40	ES 2		2 Light grey sandy SILT. (VO = 0,0)	(0.40)		
2.00	ES 3		3 Light grey occasionally heavily stained dark grey SAND and GRAVEL with low to medium cobble content. Sand is fine to coarse. Gravel is subangular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded of sandstone. Strong hydrocarbon odour. (VO = 3,3)	0.60		
3.00	ES 4			(3.50)		
			EXPLORATORY HOLE ENDS AT 4.10 m	4.10		
			4.10 m Possible bedrock.			
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Cloudy,rain		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4824/01/2015 15:44:22			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW332 Sheet 1 of 1		

Trial Pit Log

Logged JC Checked AJ		Start 10/10/2014 End 10/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 3.30m Terminated as no progress through cobbles.	Dimensions and Orientation Width 1.60 m Length 4.10 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 Brown occasionally stained grey silty locally silty gravelly, fine to coarse SAND with low cobble content. Gravel is angular to subangular, fine to coarse of sandstone. Cobbles are subangular to subrounded of sandstone. (VO = 1,0)	(1.20)		
1.50	ES 2		2 Light grey frequently stained dark grey slightly silty SAND and GRAVEL with low cobble content. Sand is fine to coarse. Gravel is angular to subrounded, fine to coarse of sandstone. Strong hydrocarbon odour. (VO = 1,3)	1.20		
2.50	ES 3			(2.10)		
			EXPLORATORY HOLE ENDS AT 3.30 m	3.30		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Cloudy,rain		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25			Project Coed Darcy Site-wide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW333 Sheet 1 of 1		

Trial Pit Log

Logged JC Checked AP		Start 10/10/2014 End 10/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 3.10m Unable to progress through cobbles.	Dimensions and Orientation Width 1.20 m Length 4.30 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 Brown and orange silty locally silty slightly gravelly, fine to coarse (predominantly fine to medium) SAND with low cobble content. Gravel is angular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded, fine to coarse of sandstone. (VO = 0,0)	(1.00)		
1.50	ES 2		2 Grey heavily stained dark grey slightly silty SAND and GRAVEL with low to medium cobble content. Sand is fine to coarse. Gravel is angular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded of sandstone. Strong hydrocarbon odour. (VO = 4,3)	1.00 (0.90)		
2.50	ES 3		3 Light grey frequently stained dark grey slightly silty gravelly, fine to coarse SAND with low cobble content. Gravel is subangular to subrounded, fine to coarse of sandstone. Cobbles are angular to subangular of sandstone. Strong hydrocarbon odour. (VO = 2,4)	1.90 (1.20)		
			EXPLORATORY HOLE ENDS AT 3.10 m	3.10		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Cloudy,windy		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW334 Sheet 1 of 1		

Trial Pit Log

Logged JC Checked AJ		Start 10/10/2014 End 10/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 2.20m Terminated as no progress through cobbles.	Dimensions and Orientation Width 1.50 m Length 4.00 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata	Depth, Level, (Thickness) Legend Backfill/ Instruments		
Depth	Type & No.	Date Records	Description	Depth, Level, (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 Brown frequently stained dark grey silty gravelly, fine to coarse SAND with low cobble content. Gravel is angular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded of sandstone. (VO = 2,0)	(0.90)		1
1.50	ES 2		2 Light brown occasionally stained grey gravelly, fine to coarse SAND with low to medium cobble content. Gravel is subangular to subrounded, fine to coarse of sandstone. Cobbles are angular to subangular of sandstone. Distinct hydrocarbon odour. (VO = 2,3)	0.90 (1.30)		1
			EXPLORATORY HOLE ENDS AT 2.20 m	2.20		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour 1 0.40 Rose to 1.90 m after 10 minutes. Steady flow			Depth Related Remarks * From to (m)	Stability Collapse from GL to 1.60m Shoring None Weather Cloudy,windy		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4821/01/2015 15:46:37			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW335 Sheet 1 of 1		

Logged NK Checked AP	Start 16/10/2014 End 16/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 3.3m Terminated on bedrock.	Dimensions and Orientation Width 1.00 m Length 4.00 m A B C D →		Ground Level Coordinates National Grid Chainage			
Samples and Tests			Strata					
Depth	Type & No.	Date Records	Description			Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (MADE GROUND) Dark brown slightly silty gravelly, fine to coarse SAND. Gravel is subangular to subrounded, fine to coarse of mixed lithologies including sandstone, brick and clinker. (VO = 0,1)			0.40		
1.50	ES 2		2 (MADE GROUND) Brownish grey slightly silty gravelly, fine to coarse SAND with medium cobble content. Gravel is subangular to subrounded, fine to coarse of mixed lithologies including sandstone and clinker. Cobbles are subangular to subrounded occasionally tabular, fine to coarse of sandstone. Localised blackened areas. (VO = 3,4)			(2.90)		
2.50	ES 3							
			EXPLORATORY HOLE ENDS AT 3.30 m			3.30		
Depth	Type & No.	Records Date						
Groundwater Entries No. Struck Post Strike Behaviour (m)			Depth Related Remarks * From to (m)			Stability Stable Shoring None Weather Cloudy		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4815/01/2015 15:31:08 			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited			Trial Pit NSW336 Sheet 1 of 1		

Trial Pit Log

Logged NK Checked AP		Start 16/10/2014 End 16/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 3.1m Terminated on concrete slab.	Dimensions and Orientation Width 1.00 m Length 3.50 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata	Depth, Level/ (Thickness) Legend Backfill/ Instruments		
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (MADE GROUND) Dark brown slightly silty gravelly fine to coarse SAND. Gravel is subangular to subrounded, fine to coarse of mixed lithologies including sandstone and brick. Occasional rootlets. (VO = 2,2)	(0.70)		
1.50	ES 2		2 (MADE GROUND) Blackish grey gravelly medium to coarse SAND with high cobble content. Gravel is subangular to subrounded, fine to coarse of mixed lithologies including sandstone and clinker. Cobbles are subangular to subrounded, occasionally tabular of sandstone. Localised blackened areas. (VO = 3,3)	0.70		
2.50	ES 3			(2.40)		
			EXPLORATORY HOLE ENDS AT 3.10 m	3.10		
			Concrete slab.			
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m)			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Cloudy		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4818/01/2015 14:55:30			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW337 Sheet 1 of 1		

Trial Pit Log



Logged NK Checked AP		Start 16/10/2014 End 16/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 1.9m Terminated on concrete slab.	Dimensions and Orientation Width 1.00 m Length 3.50 m A B C D		Ground Level Coordinates National Grid Chainage		- - -
Samples and Tests			Strata					
Depth	Type & No.	Date Records	Description			Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (MADE GROUND) Dark brown slightly silty gravelly fine to coarse SAND with low cobble content. Gravel is subangular to subrounded, fine to coarse of mixed lithologies including sandstone and clinker. Cobbles are subangular to subrounded, fine to coarse of sandstone. Rare rootlets. (VO = 2,2)			(0.70)		
1.50	ES 2		2 (MADE GROUND) Greyish brown gravelly medium to coarse SAND with medium cobble content. Gravel is subangular to subrounded, fine to coarse of mixed lithologies including sandstone and clinker. Cobbles are subangular to subrounded occasionally tabular of sandstone. Localised blacked areas. (VO = 3,3)			0.70 (1.20)		
			EXPLORATORY HOLE ENDS AT 1.90 m Concrete slab.			1.90		
Depth	Type & No.	Records Date						
Groundwater Entries No. Struck Post Strike Behaviour (m)			Depth Related Remarks * From to (m)			Stability Stable Shoring None Weather Cloudy		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4818/01/2015 14:55:32 AGS			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited			Trial Pit NSW338 Sheet 1 of 1		

Trial Pit Log

Logged NK Checked AP		Start 16/10/2014 End 16/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 1.9m Terminated on concrete.	Dimensions and Orientation Width 1.00 m Length 4.00 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (MADE GROUND) Light brown slightly silty gravelly, fine to coarse SAND with low cobble content. Gravel is subangular to subrounded, fine to coarse of mixed lithologies including sandstone, brick and clinker. Cobbles are subangular to subrounded of sandstone. Occasional rootlets. (VO = 0,0)	(0.70)		
1.50	ES 2		2 (MADE GROUND) Brownish grey slightly silty gravelly, fine to coarse SAND with medium cobble content. Gravel is subangular to subrounded, fine to coarse of sandstone and clinker. Cobbles are subangular to subrounded occasionally tabular of sandstone. Localised blackened areas. (VO = 3,4)	0.70 (1.20)		
			EXPLORATORY HOLE ENDS AT 1.90 m 1.90 m Concrete.	1.90		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m)			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Cloudy		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4815/01/2015 15:31:10			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW339 Sheet 1 of 1		

Logged NK Checked AP	Start 24/10/2014 End 24/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 3.0m Terminated on bedrock.	Dimensions and Orientation Width 1.00 m Length 4.00 m A B C D ➔		Ground Level Coordinates National Grid Chainage	
Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (MADE GROUND) Brown slightly sandy very gravelly SILT with medium cobble content. Sand is fine of ash. Gravel is subangular to subrounded, fine to coarse of mixed lithologies including sandstone, brick and concrete. Cobbles are subangular to subrounded of sandstone. Rare rootlets. (VO = 0,0)	(0.90)		1
1.50	ES 2		2 Greyish brown gravelly fine to coarse SAND with medium cobble content. Gravel is subangular to subrounded, fine to coarse of sandstone and siltstone. Cobbles are subangular to subrounded, occasionally tabular of sandstone. (VO = 1,2)	0.90		
2.50	ES 3			(2.10)		
			EXPLORATORY HOLE ENDS AT 3.00 m	3.00		

Trial Pit Log

Logged JC Checked AJ		Start 10/10/2014 End 10/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 1.80m Terminated due to concrete.	Dimensions and Orientation Width 1.50 m Length 3.90 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata	Depth, Level/ (Thickness) Legend Backfill/ Instruments		
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (MADE GROUND) Brown slightly silty gravelly, fine to coarse SAND with low cobble content. Gravel is angular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded of sandstone. (VO = 0,0)	(0.70)		
1.50	ES 2		2 Brownish grey occasionally heavily stained dark grey SAND and GRAVEL with low to medium cobble content. Sand is fine to coarse. Gravel is subangular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded of sandstone. Strong hydrocarbon odour. (VO = 3,3)	0.70 (1.10)		
			EXPLORATORY HOLE ENDS AT 1.80 m	1.80		
			1.80 m Concrete.			
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) 1 0.30 Seepage with oily sheen on surface.			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Cloudy,windy		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4824/01/2015 15:44:33			Project Coed Darcy Site-wide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW340 Sheet 1 of 1		

Logged JC	Start 10/10/2014	Equipment, Methods and Remarks	Dimensions and Orientation	Ground Level
Checked AJ	End 10/10/2014	Komatsu PC210 Machine excavated trial pit from GL to 2.20m Terminated as no progress through cobbles.	Width 1.40 m Length 3.80 m 	Coordinates - National Grid - Chainage -
Samples and Tests		Strata		
Depth	Type & No.	Date Records	Description	Depth, Level (Thickness) Legend Backfill/ Instruments
0.50	ES 1		1 Plastic dark brown fibrous PEAT. (VO = 0,0)	(1.00)
1.50	ES 2		2 Brownish grey frequently stained dark grey gravelly, fine to coarse SAND with low to medium cobble content. Gravel is angular to subrounded, fine to coarse of sandstone. Cobbles are angular to subangular of sandstone. Strong hydrocarbon odour. (VO = 2,3)	1.00 (1.20)
			EXPLORATORY HOLE ENDS AT 2.20 m	2.20
Depth	Type & No.	Records Date		
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Cloudy,windy
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4821/01/2015 15:46:40 			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW341 Sheet 1 of 1

Trial Pit Log

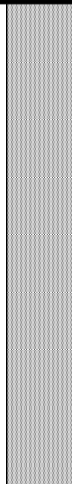
Logged JC Checked AJ		Start 10/10/2014 End 10/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 2.00m Terminated as no progress through cobbles.	Dimensions and Orientation Width 1.50 m Length 4.10 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No.	Date Records	Description			
0.50	ES 1		1 Grey silty gravelly, fine to coarse SAND with low cobble content. Gravel is angular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded of sandstone. Faint hydrocarbon odour. (VO = 0,1)	(1.10)		
1.50	ES 2		2 Light grey occasionally stained grey slightly silty SAND and GRAVEL with low to medium cobble content. Sand is fine to coarse. Gravel is subangular to subrounded, fine to coarse of sandstone. Cobbles are angular to subangular of sandstone. (VO = 1,0)	1.10 (0.90)		
			EXPLORATORY HOLE ENDS AT 2.00 m	2.00		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m)			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Cloudy,windy		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW342 Sheet 1 of 1		

Trial Pit Log



Logged JC Checked AP		Start 09/10/2014 End 09/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 1.90m Terminated on bedrock.	Dimensions and Orientation Width 1.50 m Length 3.90 m A B C D B C		Ground Level Coordinates National Grid Chainage		- - -
Samples and Tests			Strata					
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments		
0.50	ES 1		1 Brown silty locally silty SAND and GRAVEL with low cobble content. Sand is fine to coarse. Gravel is subangular to subrounded, fine to coarse of sandstone. Cobbles are angular to subrounded of sandstone. (VO = 0,0)	(1.00)				
1.50	ES 2		2 Light brown slightly silty locally silty gravelly, fine to coarse SAND with low to medium cobble content. Gravel is angular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded of sandstone. (VO = 0,0)	1.00 (0.90)				
			EXPLORATORY HOLE ENDS AT 1.90 m	1.90				
			1.90 m Bedrock					
Depth	Type & No.	Records Date						
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)			Stability Slight collapse throughout Shoring None Weather Cloudy,rain		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited			Trial Pit NSW343 Sheet 1 of 1		

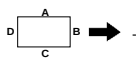
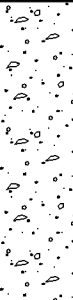


Logged JC Checked AP		Start 09/10/2014 End 09/10/2014		Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 1.60m Terminated on bedrock.		Dimensions and Orientation Width 1.50 m Length 3.90 m A B C →		Ground Level Coordinates National Grid Chainage		
Samples and Tests			Strata							
Depth	Type & No.	Date Records	Description					Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.80	ES 1		1 (MADE GROUND) Brown silty locally silty SAND and GRAVEL with low cobble content. Sand is fine to coarse. Gravel is angular to subrounded, fine to coarse of sandstone. Cobbles are angular to subangular of sandstone and brick. (VO = 0,0)					(1.60)		
			EXPLORATORY HOLE ENDS AT 1.60 m					1.60		

Trial Pit Log

Logged JC Checked AP		Start 09/10/2014 End 09/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 2.10m Terminated on bedrock.	Dimensions and Orientation Width 1.80 m Length 4.40 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata	Depth, Level/ (Thickness) Legend Backfill/ Instruments		
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 Brown silty locally silty slightly gravelly, fine to coarse (predominantly fine to medium) SAND with low cobble content. Gravel is angular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded of sandstone. (VO = 0,0)	(1.10)		
1.50	ES 2		2 Light brown silty locally silty gravelly, fine to coarse SAND with low to medium cobble content. Gravel is subangular to subrounded, fine to coarse of sandstone. Cobbles are angular to subangular of sandstone. (VO = 0,0)	1.10 (1.00)		
			EXPLORATORY HOLE ENDS AT 2.10 m	2.10		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour 1 1.40 Seepages with oily sheen on surface.			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Heavy rain		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW345 Sheet 1 of 1		

Trial Pit Log

Logged JC	Start 09/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 1.00m Terminated due to pit flooding from surface water.	Dimensions and Orientation Width 1.40 m Length 3.60 m 	Ground Level - Coordinates - National Grid - Chainage -		
Checked AP	End 09/10/2014					
Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments
		*	1 Brownish grey silty locally silty gravelly, fine to coarse SAND with low cobble content. Gravel is angular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded of sandstone. (VO = 0,0)	(1.00)		
			EXPLORATORY HOLE ENDS AT 1.00 m	1.00		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m) 0.00 No Samples Obtained spoil to cross contaminated due to heavy rain.	Stability Stable Shoring None Weather Heavy rain		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4809/02/2015 15:01:35 			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW346 Sheet 1 of 1		

Logged JC Checked AP	Start 09/10/2014 End 09/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 1.70m Terminated on concrete.	Dimensions and Orientation Width 1.50 m Length 4.10 m A B C D E	Ground Level Coordinates National Grid Chainage		
Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (MADE GROUND) Brown silty slightly gravelly, fine to coarse SAND with low cobble content. Gravel is angular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded of sandstone. Cobble sized pockets of free product. (VO = 5,0)	(0.70)		
1.50	ES 2		2 (MADE GROUND) Light brown silty gravelly, fine to coarse SAND with low to medium cobble content. Gravel is subangular to subrounded, fine to coarse of sandstone. Cobbles are angular to subangular of sandstone. (VO = 0,0)	0.70 (1.00)		
			EXPLORATORY HOLE ENDS AT 1.70 m	1.70		
			Concrete.			
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)		Stability Stable Shoring None Weather Rain, windy	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4809/02/2015 15:01:37 			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit NSW347 Sheet 1 of 1	

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Trial Pit Log

Logged JC Checked AP		Start 08/10/2014 End 08/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 1.90m Unable to progress through cobbles.	Dimensions and Orientation Width 0.60 m Length 3.00 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No.	Date Records	Description			
0.50	ES 1		1 Brown silty locally silty slightly gravelly, fine to coarse (predominantly fine to medium) SAND. Gravel is angular to subrounded, fine to coarse of sandstone. (VO = 0,0)	(0.90)		
1.50	ES 2		2 Light brown slightly silty locally silty gravelly, fine to coarse SAND with low cobble content. Gravel is angular to subrounded, fine to coarse of sandstone. Cobbles are angular to subangular of sandstone. (VO = 0,0)	0.90 (1.00)		
			EXPLORATORY HOLE ENDS AT 1.90 m	1.90		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Cloudy,v.windy,rain		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW349 Sheet 1 of 1		

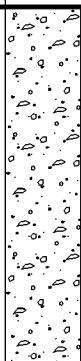
Trial Pit Log

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Trial Pit Log



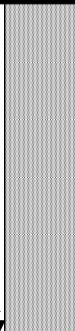
Logged JC Checked AP		Start 08/10/2014 End 08/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 1.20m Terminated on bedrock.	Dimensions and Orientation Width 1.50 m Length 4.00 m A B C D →		Ground Level Coordinates National Grid Chainage		- - -
Samples and Tests			Strata					
Depth	Type & No.	Date Records	Description			Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 Light brown silty locally silty gravelly, fine to coarse SAND. Gravel is angular to subrounded, fine to coarse of sandstone. Cobbles are angular to subrounded of sandstone. (VO = 0,0)			(1.20)		
			EXPLORATORY HOLE ENDS AT 1.20 m			1.20		
			1.20 m Sandstone bedrock.					
Depth	Type & No.	Records Date						
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)			Stability Stable Shoring None Weather Cloudy,v.windy		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4809/02/2015 15:01:50			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited			Trial Pit NSW350 Sheet 1 of 1		

Logged JC	Start 09/10/2014	Equipment, Methods and Remarks	Dimensions and Orientation	Ground Level		
Checked AP	End 09/10/2014	Komatsu PC210 Machine excavated trial pit from GL to 1.2m Terminated on bedrock.	Width 1.70 m Length 4.30 m	Coordinates		
			A B C D	National Grid		
				Chainage		
Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 Brown silty SAND and GRAVEL with low to medium cobble content. Sand is fine to coarse. Gravel is angular to subrounded, fine to coarse of sandstone. Cobbles are angular to subangular of sandstone. (VO = 0,0)	(1.20)		
			EXPLORATORY HOLE ENDS AT 1.20 m	1.20		
Depth	Type & No.	Records Date				
Groundwater Entries			Depth Related Remarks *		Stability Stable	
No. Struck Post Strike Behaviour (m)			From to (m)		Shoring None	
None observed (see Key Sheet)					Weather Heavy rain	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.			Project Coed Darcy Sitewide Trial Pitting		Trial Pit	
(c) ESG www.esg.co.uk 426.4809/02/2015 15.01:54			Project No. H4039-14		NSW351	
Scale 1:25			Carried out for St Modwen Developments Limited		Sheet 1 of 1	

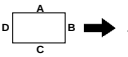
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Trial Pit Log

Logged JC Checked AJ		Start 07/10/2014 End 07/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 1.80m Terminated as no progress through cobbles.	Dimensions and Orientation Width 1.70 m Length 4.00 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No.	Date Records	Description			
0.50	ES 1		1 Brown occasionally stained light grey slightly silty gravelly, fine to coarse SAND with low cobble content. Gravel is angular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded of sandstone. Faint hydrocarbon odour. (VO = 1,1)	(0.70)		
1.50	ES 2		2 Grey frequently stained dark grey slightly silty SAND and GRAVEL with medium cobble content. Sand is fine to coarse. Gravel is angular to subrounded, fine to coarse of sandstone. Cobbles are angular to subangular of sandstone. Strong hydrocarbon odour. (VO = 2,3)	0.70 (1.10)		
EXPLORATORY HOLE ENDS AT 1.80 m				1.80		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Sunny,windy		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4829/01/2015 13:23:25			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW353 Sheet 1 of 1		

Logged JC Checked AJ		Start 07/10/2014 End 07/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 1.10m Terminated as no progress through cobbles.		Dimensions and Orientation Width 1.40 m Length 3.80 m A B C D E		Ground Level Coordinates National Grid Chainage	
Samples and Tests			Strata					
Depth	Type & No.	Date Records	Description			Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 Brown slightly silty SAND and GRAVEL with medium cobble content. Sand is fine to coarse. Gravel is angular to subrounded, fine to coarse of sandstone. Cobbles are angular to subangular tabular of sandstone. (VO = 0,0)			(1.10)		
			EXPLORATORY HOLE ENDS AT 1.10 m			1.10		

Trial Pit Log

Logged JC Checked AJ		Start 07/10/2014 End 07/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 1.20m Terminated as no progress through rock.	Dimensions and Orientation Width 1.40 m Length 4.20 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No.	Date Records	Description			
0.10	ES 1		1 Brown slightly silty locally silty gravelly, fine to coarse SAND with low cobble content. Gravel is angular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded of sandstone. (VO = 0,0) 2 Orangish light brown sandy SILT. (VO = 0,0)	0.20		
0.50	ES 2			(1.00)		
			EXPLORATORY HOLE ENDS AT 1.20 m	1.20		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Sunny,windy		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25			Project Coed Darcy Site-wide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW355 Sheet 1 of 1		

[illegible]

Logged JC Checked AJ	Start 07/10/2014 End 07/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 1.20m Terminated as no progress through cobbles.	Dimensions and Orientation Width 1.40 m Length 3.80 m A D C B ➡ -	Ground Level Coordinates National Grid Chainage	- - -
Samples and Tests			Strata		
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend Backfill/ Instruments
0.60	ES 1		1 Light brown silty gravelly, fine to coarse SAND with medium cobble content. Gravel is subangular to subrounded, fine to coarse of sandstone. Cobbles are angular to subangular tabular of sandstone. (VO = 0,0)	(1.20)	
			EXPLORATORY HOLE ENDS AT 1.20 m	1.20	
Depth	Type & No.	Records Date			
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Cloudy,windy,rain	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4829/01/2015 13:23:37 AGS			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW357 Sheet 1 of 1	

Trial Pit Log

Logged JC Checked AJ		Start 08/10/2014 End 08/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 1.80m Terminated as no progress through possible rock.	Dimensions and Orientation Width 1.40 m Length 3.90 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No.	Date Records	Description			
0.50	ES 1		1 Brown slightly silty locally silty slightly gravelly, fine to coarse SAND with low cobble content. Gravel is angular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded of sandstone. (VO = 0,0)	(0.80)		
1.50	ES 2		2 Light brown slightly silty gravelly, fine to coarse SAND with low cobble content. Gravel is subangular to subrounded fine to coarse of sandstone. Cobbles are angular to subangular of sandstone. (VO = 0,0)	0.80 (1.00)		
EXPLORATORY HOLE ENDS AT 1.80 m				1.80		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Cloudy,windy		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4829/01/2015 13:23:39			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW358 Sheet 1 of 1		

Trial Pit Log

Logged JC Checked AJ		Start 08/10/2014 End 08/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 1.90m Terminated as no progress through possible rock.	Dimensions and Orientation Width 1.60 m Length 4.00 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 Brown slightly silty locally silty slightly gravelly, fine to coarse SAND with low cobble content. Gravel is angular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded of sandstone. (VO = 0,0)	(0.90)		
1.50	ES 2		2 Light brown slightly silty gravelly, fine to coarse SAND with medium cobble content. Gravel is subangular to subrounded, fine to coarse of sandstone. Cobbles are angular to subangular of sandstone. (VO = 0,0)	0.90 (1.00)		
			EXPLORATORY HOLE ENDS AT 1.90 m	1.90		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)		Stability Stable Shoring None Weather	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit NSW359 Sheet 1 of 1	

Trial Pit Log

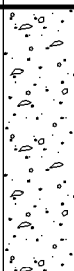
Logged NK Checked AP		Start 24/10/2014 End 24/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 3.3m Terminated on bedrock.	Dimensions and Orientation Width 1.00 m Length 4.00 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata	Depth, Level/ (Thickness) Legend Backfill/ Instruments		
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (MADE GROUND) Dark brown slightly silty very gravelly fine to coarse SAND with high cobble content. Gravel is subangular to subrounded, fine to coarse of sandstone, brick, clinker and ash. Cobbles are subangular to subrounded, fine to coarse of sandstone and brick. Cobbles sized pockets of ash and brick gravel. Rare rootlets. (VO = 0,0)	(0.70)		
1.50	ES 2		2 Yellowish brown slightly gravelly fine to medium SAND with low cobble content. Gravel is subangular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded of sandstone. (VO = 1,1)	(0.90)		
2.50	ES 3		3 Greyish brown gravelly medium to coarse SAND with medium cobble content. Gravel is subangular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded, occasionally tabular of sandstone. (VO = 1,1)	(1.70)		
			EXPLORATORY HOLE ENDS AT 3.30 m 3.30 m Bedrock	3.30		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m)			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Rain		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4908/02/2015 13:59:25			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW36 Sheet 1 of 1		

Trial Pit Log



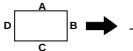
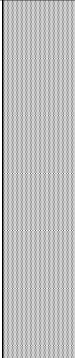
Logged JC Checked AJ		Start 08/10/2014 End 08/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 1.60m Terminated due to concrete.	Dimensions and Orientation Width - Length - A B C D		Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata				
Depth	Type & No.	Date Records	Description		Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.80	ES 1		1 (MADE GROUND) Brown slightly silty locally silty slightly gravelly, fine to coarse SAND with low cobble content. Gravel is angular to subrounded, fine to coarse of sandstone. Cobbles are angular to subangular of sandstone, concrete and brick. (VO = 0,0)		(1.60)		
EXPLORATORY HOLE ENDS AT 1.60 m					1.60		
Depth	Type & No.	Records Date					
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)		Stability Stable Shoring None Weather Cloudy,rain,wind		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit NSW360 Sheet 1 of 1		



Logged JC Checked AJ	Start 08/10/2014 End 08/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 1.70m Terminated as no progress through cobbles.	Dimensions and Orientation Width 1.60 m Length 3.80 m A B C D E	Ground Level Coordinates National Grid Chainage		
Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments
		*	1 Brown slightly silty locally silty gravelly, fine to coarse SAND with low cobble content. Gravel is angular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded of sandstone. (VO = 0,0)	(0.90)		
			2 Grey occasionally stained dark grey slightly silty gravelly, fine to coarse SAND with low to medium cobble content. Gravel is subangular to subrounded, fine to coarse of sandstone. Cobbles are angular to subangular of sandstone. Distinct hydrocarbon odour. (VO = 1,2)	0.90 (0.80)		
			EXPLORATORY HOLE ENDS AT 1.70 m	1.70		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m)			Depth Related Remarks * From to (m) 0.00 No Samples Obtained due to cross contamination.		Stability Stable Shoring None Weather Heavy rain	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4829/01/2015 13.23.48 			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit NSW361 Sheet 1 of 1	

Logged JC Checked AJ	Start 08/10/2014 End 08/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 1.20m Terminated due to pit flooding with rain water.	Dimensions and Orientation Width 1.50 m Length 3.20 m A B C D ➡	Ground Level Coordinates National Grid Chainage	- - -	
Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 Brown slightly silty gravelly, fine to coarse SAND with low cobble content. Gravel is angular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded of sandstone. Faint hydrocarbon odour. (VO = 0,1)	(1.20)		
			EXPLORATORY HOLE ENDS AT 1.20 m	1.20		

Logged SM	Start 09/10/2014	Equipment, Methods and Remarks	Dimensions and Orientation		Ground Level
Checked AP	End 09/10/2014	Komatsu PC210 Machine excavated trial pit from GL to 3.1m Terminated on bedrock.	Width - Length - A B C D		Coordinates - National Grid - Chainage -
Samples and Tests			Strata		
Depth	Type & No.	Date Records	Description	Depth, Level (Thickness)	Legend
0.50	ES 1		1 (MADE GROUND) Brown clayey SILT. Frequent roots and rootlets. (VO = 0,0)	(1.00)	

Logged SM	Start 09/10/2014	Equipment, Methods and Remarks	Dimensions and Orientation		Ground Level	
Checked AP	End 09/10/2014	Komatsu PC210 Machine excavated trial pit from GL to 2.0m Terminated on concrete.	Width 1.40 m		Coordinates	-
			Length 2.80 m		National Grid	-
					Chainage	-
Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (MADE GROUND) Light brown slightly gravelly sandy SILT. Sand is fine. Gravel is subangular to subrounded fine to coarse of brick and concrete. Occasional steel cables (20mm diameter). (VO = 1,1)	(1.20)		
1.50	ES 2		2 (MADE GROUND) Loose dark grey silty SAND with fine to coarse, rounded to subrounded gravels and pockets of black organics 0.2m thick. Sand is fine, concrete and brick fragments. (VO = 2,2)	1.20 (0.80)		
			EXPLORATORY HOLE ENDS AT 2.00 m 2.00 m Concrete.	2.00		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m)			Depth Related Remarks * From to (m)		Stability Stable Shoring None Weather Rain	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4809/02/2015 15.02.01			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit NSW365 Sheet 1 of 1	

Trial Pit Log

Logged SM Checked AP		Start 09/10/2014 End 09/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 4.1m Terminated on bedrock.	Dimensions and Orientation Width 1.40 m Length 4.00 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No.	Date Records	Description			
1.00	ES 1		1 (MADE GROUND) Dark brown gravelly SILT. Gravel is angular fine to coarse of sandstone, brick and concrete. (VO = 1,1)	(1.20)		
2.50	ES 2		2 Brownish grey sandy SILT with medium cobble and boulder content. Sand is fine. Cobble and boulders are angular of sandstone. (VO = 1,1)	1.20		
3.50	ES 3			(2.90)		
			EXPLORATORY HOLE ENDS AT 4.10 m 4.10 m Bedrock	4.10		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Rain		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4809/02/2015 15:02:04			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW366 Sheet 1 of 1		

Trial Pit Log



Logged SM Checked AP		Start 09/10/2014 End 09/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 1.2m Terminated on brick foundations.	Dimensions and Orientation Width 1.40 m Length 4.00 m A B C D →		Ground Level Coordinates National Grid Chainage		- - -
Samples and Tests			Strata					
Depth	Type & No.	Date Records	Description			Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
1.00	ES 1		1 (MADE GROUND) Light brown slightly gravelly silty fine SAND. Gravel is angular fine to coarse of brick and sandstone. Frequent roots and rootlets (20mm thick diameter). (VO = 0,0)			(1.20)		
			EXPLORATORY HOLE ENDS AT 1.20 m			1.20		
			1.20 m Brick foundation and steel pipe (100mm diameter).					
Depth	Type & No.	Records Date						
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)			Stability Stable Shoring None Weather Overcast.		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited			Trial Pit NSW367 Sheet 1 of 1		



Logged SM Checked AP	Start 09/10/2014 End 09/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 4.8m Terminated at maximum reach of excavator.	Dimensions and Orientation Width 1.50 m Length 3.60 m		Ground Level Coordinates National Grid Chainage	-	-	-
Samples and Tests			Strata					
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments		
1.00	ES 1		1 Light brown gravelly fine to coarse SAND. Gravel is angular to subangular fine to coarse of sandstone. Frequent rootlets. (VO = 0,1)	(1.60)				
1.80	ES 2		2 Dark brown blackish slightly gravelly clayey SILT. Gravel is subrounded fine to medium of coal. (VO = 2,2)	1.60 (0.30)				
2.50	ES 3		3 Grey silty gravelly fine to coarse SAND with medium cobble content. Gravel is angular to subangular fine to coarse of sandstone. Cobbles are angular to subrounded of sandstone. (VO = 1,1)	1.90 (2.90)				
			EXPLORATORY HOLE ENDS AT 4.80 m	4.80				
Depth	Type & No.	Records Date						
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)			Stability Stable Shoring None Weather Rain		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4804/02/2015 13:39:00			Project Coed Darcy Site-wide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited			Trial Pit NSW368 Sheet 1 of 1		

Logged SM Checked AP	Start 09/10/2014 End 09/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 1.8m Unable to progress beyond 1.80m.	Dimensions and Orientation Width 1.50 m Length 3.20 m A B C →	Ground Level Coordinates National Grid Chainage	- - -	
Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (MADE GROUND) Dark brown gravelly SILT. Gravel is subangular to subrounded fine to coarse of brick and sandstone. Rare rootlets. (VO = 1,2)	(1.00)		
1.50	ES 2		2 (MADE GROUND) Dark grey gravelly SILT. Gravel is angular fine of sandstone and brick. (VO = 2,0)	1.00 (0.80)		
			EXPLORATORY HOLE ENDS AT 1.80 m	1.80		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Overcast,rain		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4804/02/2015 13:39:03 			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW369 Sheet 1 of 1		

Trial Pit Log

Logged NK Checked AP		Start 24/10/2014 End 24/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 3.4m Terminated on bedrock.	Dimensions and Orientation Width 1.00 m Length 4.00 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata	Depth, Level, (Thickness)		
Depth	Type & No.	Date Records	Description	Depth, Level, (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (MADE GROUND) Light brown slightly sandy slightly gravelly SILT with medium cobble content. Sand is fine. Gravel is subangular to subrounded, fine to coarse of sandstone, brick and clinker. Cobbles are subangular to subrounded, occasionally tabular of sandstone. Occasional rootlets. (VO = 0,0)	(1.30)		
1.50	ES 2		2 Yellowish brown mottled grey gravelly medium to coarse SAND with medium cobble content. Gravel is subangular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded, occasionally tabular of sandstone. (VO = 1,1)	1.30		
2.50	ES 3			(2.10)		
			EXPLORATORY HOLE ENDS AT 3.40 m 3.40 m Bedrock	3.40		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m)			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Rain		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25			Project Coed Darcy Site-wide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW37 Sheet 1 of 1		

Trial Pit Log



Logged SM Checked AP	Start 10/10/2014 End 10/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 1.8m Terminated due to concrete slab in base of pit.	Dimensions and Orientation Width 1.50 m Length 4.00 m 	Ground Level - Coordinates - National Grid - Chainage -		
Samples and Tests		Strata				
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (MADE GROUND) Brown gravelly SILT. Gravel is angular, fine of brick. Frequent rootlets. (VO = 1,0)	(0.60)		
1.50	ES 2		2 Dark grey sandy gravelly SILT. Gravel is angular, fine to coarse of coal. Frequent dark brown pockets of organic material. (VO = 2,2)	(1.20)		
			EXPLORATORY HOLE ENDS AT 1.80 m	1.80		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)		Stability Stable Shoring None Weather Overcast	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. (c) ESG www.esg.co.uk 426.4824/01/2015 15:44:40			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit NSW370 Sheet 1 of 1	

Trial Pit Log

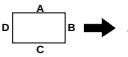


Logged SM Checked AJ		Start 10/10/2014 End 10/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 1.0m Terminated on concrete slab.	Dimensions and Orientation Width 1.60 m Length 4.00 m A D-----B C →		Ground Level Coordinates National Grid Chainage		- - -
Samples and Tests			Strata					
Depth	Type & No.	Date Records	Description			Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
		*	1 (MADE GROUND) Loose greyish brown gravelly SILT with low cobble and boulder content. Gravel is angular to subangular fine to coarse of sandstone. Cobbles and boulders are angular of concrete and brick. (VO = 1,1)			(1.00)		
			EXPLORATORY HOLE ENDS AT 1.00 m 1.00 m Concrete slab.			1.00		
Depth	Type & No.	Records Date						
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m) 0.00 1.00 No Samples Obtained			Stability Stable Shoring None Weather Overcast		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. (c) ESG www.esg.co.uk 426.4824/01/2015 15:44:44 AGS			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited			Trial Pit NSW371 Sheet 1 of 1		

Trial Pit Log

Logged SM Checked AJ		Start 10/10/2014 End 10/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 4.6m Terminated at maximum reach of excavator.	Dimensions and Orientation Width 1.60 m Length 4.00 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 Light brown gravelly SILT with low cobble and boulder content. Gravel is rounded, fine to coarse of sandstone. Cobbles and boulders are angular of sandstone. (VO = 1,1)	(0.60)		
1.50	ES 2		2 Light brown becoming grey gravelly SILT with low cobble and boulder content. Gravel is rounded fine to coarse. Cobbles and boulders are angular of sandstone. (VO = 1,2)	0.60		
2.50	ES 3			(4.00)		
			EXPLORATORY HOLE ENDS AT 4.60 m	4.60		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m)			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Fine		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25			Project Coed Darcy Site-wide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW372 Sheet 1 of 1		

Trial Pit Log

Logged SM Checked AJ		Start 10/10/2014 End 10/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 4.6m Terminated at maximum reach of excavator.	Dimensions and Orientation Width 2.00 m Length 3.60 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata	Depth, Level/ (Thickness) Legend Backfill/ Instruments		
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (MADE GROUND) Light brown slightly clayey gravelly SILT. Gravel is angular fine to coarse. Occasional rootlets. Occasional brick fragments and plastic sheeting. (VO = 1,1)	(0.90)		
1.50	ES 2		2 (MADE GROUND) Grey silty clayey subrounded to rounded fine to coarse GRAVEL of sandstone with low cobble and boulder content. Cobble and boulders are subrounded to rounded of sandstone. Occasional patches of dark grey to black organic contaminated material. (VO = 3,3)	0.90		
2.50	ES 3			(3.70)		
			EXPLORATORY HOLE ENDS AT 4.60 m	4.60		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m)			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Rain/Fine		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW373 Sheet 1 of 1		

Trial Pit Log

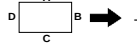
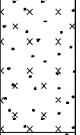
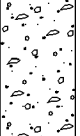
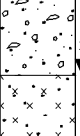
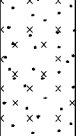
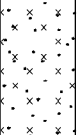
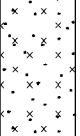


Logged SM Checked AJ		Start 10/10/2014 End 10/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 1.6m Terminated due to pipe.	Dimensions and Orientation Width 1.80 m Length 3.60 m A B C D	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
1.00	ES 1		1 (MADE GROUND) Dark brown slightly clayey gravelly SILT with medium cobble and boulder content. Gravel is angular to subangular fine to coarse of concrete and brick. Cobbles and boulders are angular of concrete and brick. Rare coal fragments. (VO = 2,1)	(1.60)		
			EXPLORATORY HOLE ENDS AT 1.60 m	1.60		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m)			Depth Related Remarks * From to (m)		Stability Walls beginning to collapse Shoring None Weather Overcast	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4824/01/2015 15:44:53 AGS			Project Coed Darcy Site-wide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit NSW374 Sheet 1 of 1	

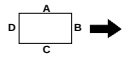
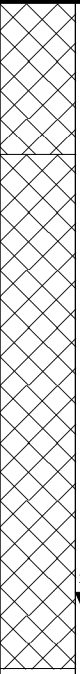
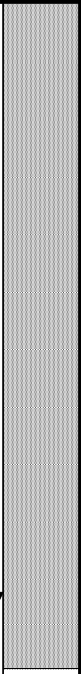
Trial Pit Log

Logged SM Checked AJ		Start 10/10/2014 End 10/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 4.6m Terminated at maximum reach of excavator.	Dimensions and Orientation Width 1.60 m Length 3.60 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata	Depth, Level, (Thickness), Legend, Backfill/ Instruments		
Depth	Type & No.	Date Records	Description	Depth, Level, (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 Dark brown slightly clayey gravelly SILT. Gravel is angular, fine to coarse. Occasional pockets of dark greyish black contaminated organic material. (VO = 2,2)	(0.80)		
1.50	ES 2		2 Soft light brown slightly gravelly silty CLAY. Gravel is rounded, fine to coarse of sandstone. (VO = 1,1)	0.80		
2.50	ES 3		3 Grey gravelly SILT with occasional pockets of clay. Gravel is subrounded to rounded fine to coarse of sandstone. (VO = 2,2)	2.00		
				(2.60)		
				4.60		
			EXPLORATORY HOLE ENDS AT 4.60 m			
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Rain		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW375 Sheet 1 of 1		

Trial Pit Log

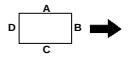
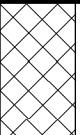
Logged AW Checked AP		Start 13/10/2014 End 13/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 4.5m Terminated on bedrock.	Dimensions and Orientation Width 1.00 m Length 6.00 m 	Ground Level Coordinates National Grid Chainage		
Samples and Tests			Strata				
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments	
0.50	ES 1		1 Grey brown gravelly slightly silty, fine to coarse SAND with low cobble content. Gravel is subrounded to rounded, fine to coarse of sandstone. Cobbles are angular to subrounded of sandstone. Frequent roots and rootlets. (VO = 0,0)	(0.50)			
			2 Brown and orangish brown slightly clayey SAND and GRAVEL with low cobble content. Gravel is angular to subrounded of sandstone. Sand is fine to coarse. Cobbles are subangular to subrounded of sandstone. (VO = 0,0)	0.50 (0.70)			
1.50	ES 2		3 Grey gravelly slightly silty coarse SAND. Gravel is angular to subrounded of sandstone. (VO = 1,1) becoming (VO = 2,3) from 4.5m depth.	1.20			
2.50	ES 3			(3.30)			
3.50	ES 4						
4.50	ES 5		EXPLORATORY HOLE ENDS AT 4.50 m	4.50			
Groundwater Entries No. Struck Post Strike Behaviour (m) 1 1.20 Oozing			Depth Related Remarks * From to (m)		Stability Some collapse due to GW ingress Shoring None Weather Dry		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25			Project Coed Darcy Site-wide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit NSW376 Sheet 1 of 1		

Trial Pit Log

Logged AW Checked AP		Start 13/10/2014 End 13/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 2.2m Terminated due to collapse and water ingress.	Dimensions and Orientation Width 1.00 m Length 6.00 m 		Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata				
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments	
0.50	ES 1		1 (MADE GROUND) Brown slightly silty gravelly SAND with frequent roots and rootlets. Sand is fine to coarse. Gravel is subangular to rounded, fine to coarse of sandstone and brick. (VO = 0,0)	0.50			
1.50	ES 2		2 (MADE GROUND) Orangish brown slightly clayey gravelly SAND with low cobble content. Sand is fine to coarse. Gravel is subangular to rounded of sandstone. Cobbles are angular to subangular of clay pipe and brick. (VO = 3,0)	(1.70)			
			EXPLORATORY HOLE ENDS AT 2.20 m	2.20			
Depth	Type & No.	Records Date					
Groundwater Entries No. Struck Post Strike Behaviour (m) 1 2.00 Flowing in from land drain.			Depth Related Remarks * From to (m)		Stability Unstable Shoring None Weather Dry		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25			Project Coed Darcy Site-wide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit NSW377 Sheet 1 of 1		

Logged AW Checked AP	Start 13/10/2014 End 13/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 5.00m Terminated on bedrock.	Dimensions and Orientation Width 1.00 m Length 6.00 m		Ground Level Coordinates National Grid Chainage
Samples and Tests			Strata		
Depth	Type & No.	Date Records	Description	Depth, Level (Thickness)	Legend
0.50	ES 1		1 (MADE GROUND) Brownish purple and grey slightly silty gravelly coarse SAND with frequent roots and rootlets. Gravel is angular of sandstone and brick. (VO = 0,0)	0.50	
1.50	ES 2		2 Orangish brown clayey slightly gravelly SAND with low cobble content. Gravel and cobbles are angular of sandstone. (VO = 0,0)	1.50	
2.50	ES 3		3 Grey slightly silty gravelly, fine to coarse SAND with medium cobble content. Gravel is angular of sandstone. Cobbles are angular of sandstone. (VO = 1,2) becoming (VO = 2,3) from 4.5m depth.	2.00	
3.50	ES 4			(3.00)	
4.50	ES 5				
			4.90 m Low boulder content.		
Depth	Type & No.	Records Date	EXPLORATORY HOLE ENDS AT 5.00 m		
Groundwater Entries No. Struck Post Strike Behaviour (m) 1 3.00 GW oozing from pit sides with strong odour.			Depth Related Remarks * From to (m)		
			Stability Stable - some ??? Shoring None Weather Dry		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4813/01/2015 09:23:43			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		
			Trial Pit NSW378 Sheet 1 of 1		

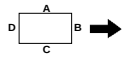
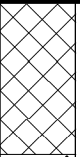
Trial Pit Log

Logged AW Checked AP		Start 13/10/2014 End 13/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 4.5m Terminated on boulders.	Dimensions and Orientation Width 6.00 m Length 1.00 m 		Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata				
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments	
0.50	ES 1		1 (MADE GROUND) Grey slightly silty gravelly, fine to coarse SAND with frequent roots. Gravel is subangular to subrounded, fine to coarse of sandstone, brick and concrete. (VO = 0,0)	0.50			
1.50	ES 2		2 (MADE GROUND) Orangeish brown silty slightly gravelly, fine to coarse SAND. Gravel is subangular, fine to coarse of concrete and sandstone. (VO = 0,0)	(1.50)			
2.50	ES 3		3 Brownish grey to grey slightly silty gravelly SAND with high cobble content and low boulder content. Gravel is subangular to subrounded, fine to coarse of sandstone. Cobbles and boulders are subangular to subrounded of sandstone. (VO = 1,0) becoming (VO = 2,2) from 3.5m depth.	2.00			
3.50	ES 4			(2.50)			
4.50	ES 5		EXPLORATORY HOLE ENDS AT 4.50 m	4.50			
Depth	Type & No.	Records Date					
Groundwater Entries No. Struck Post Strike Behaviour (m) 1 4.00 Oozing black coloured groundwater.			Depth Related Remarks * From to (m)		Stability Some collapse from groundwater ingress Shoring None Weather Dry		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit NSW379 Sheet 1 of 1		

Trial Pit Log

Logged NK Checked AP		Start 27/10/2014 End 27/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 4.3m Terminated on bedrock.	Dimensions and Orientation Width 1.00 m Length 4.00 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata	Depth, Level/ (Thickness) Legend Backfill/ Instruments		
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (MADE GROUND) Light brown slightly sandy slightly gravelly SILT with medium cobble content. Sand is fine to medium. Gravel is subangular to subrounded, fine to coarse of mixed lithologies including sandstone, brick, ash and clinker. Cobbles are subangular to subrounded of mixed lithologies including sandstone, brick and clinker. Cobbles sized areas of ash and brick gravel. Rare rootlets. (VO = 0,0)	(1.00)		
1.50	ES 2		2 Brown slightly silty gravelly fine to coarse SAND with medium cobble content. Gravel is subangular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded, occasionally tabular of sandstone. Occasional gravel sized pockets of orange medium sand. (VO = 0,0)	1.00		
2.50	ES 3			(3.30)		
3.50	ES 4					
			EXPLORATORY HOLE ENDS AT 4.30 m 4.30 m Bedrock	4.30		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m)			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Cloudy		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4804/02/2015 13.37.11			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW38 Sheet 1 of 1		

Trial Pit Log

Logged AW Checked AP		Start 13/10/2014 End 13/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 2.0m Terminated on concrete slab.	Dimensions and Orientation Width 1.00 m Length 6.00 m 		Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata				
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments	
0.50	ES 1		1 (MADE GROUND) Brown slightly silty gravelly, fine to coarse SAND with low cobble content. Gravel is subrounded to rounded, fine to coarse of sandstone. Cobbles are concrete. Frequent roots and rootlets. (VO = 0,0)	0.50			
1.50	ES 2		2 Orangish brown slightly silty gravelly, fine to coarse SAND. Gravel is subangular to subrounded, fine to coarse of sandstone. (VO = 0,0)	(1.50)			
			EXPLORATORY HOLE ENDS AT 2.00 m 2.00 m Concrete slab.	2.00			
Depth	Type & No.	Records Date					
Groundwater Entries No. Struck Post Strike Behaviour (m) 1 2.00 Groundwater.			Depth Related Remarks * From to (m)		Stability Stable Shoring None Weather Dry		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25			Project Coed Darcy Site-wide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit NSW380 Sheet 1 of 1		

Logged AW Checked AP	Start 13/10/2014 End 13/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 4.2m Terminated on bedrock.	Dimensions and Orientation Width 1.00 m Length 6.00 m		Ground Level Coordinates National Grid Chainage
Samples and Tests			Strata		
Depth	Type & No.	Date Records	Description	Depth, Level (Thickness)	Legend
0.50	ES 1		1 (MADE GROUND) Brown slightly silty gravelly, fine to coarse SAND with frequent roots and rootlets. Gravel is angular, fine to coarse of sandstone, brick and concrete. (VO = 0,0)	0.50	
1.50	ES 2		2 Orangish brown slightly silty gravelly, fine to coarse SAND. Gravel is subangular to subrounded of sandstone. (VO = 0,0)	(2.20)	
2.50	ES 3			2.70	
3.50	ES 4		3 Grey slightly silty gravelly, fine to coarse SAND with low cobble content. Gravel is subangular to subrounded of sandstone. Cobbles are subangular to subrounded of sandstone. (VO = 1,2) becoming (VO = 2,2) from 3.5m depth.	(1.50)	
			EXPLORATORY HOLE ENDS AT 4.20 m 4.20 m Bedrock	4.20	
Depth	Type & No.	Records Date			
Groundwater Entries No. Struck Post Strike Behaviour (m) 1 2.50 Oozing brown groundwater with some oily sheen.			Depth Related Remarks * From to (m)		Stability Collapse from 2.00m Shoring None Weather Dry
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit NSW381 Sheet 1 of 1

Trial Pit Log

Logged NK Checked AJ		Start 08/10/2014 End 08/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 5.4m Terminated on bedrock.	Dimensions and Orientation Width 1.00 m Length 4.00 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata	Depth, Level, (Thickness)		
Depth	Type & No.	Date Records	Description	Depth, Level, (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (MADE GROUND) Dark brown slightly silty gravelly fine to coarse SAND. Gravel is subangular to subrounded, fine to coarse mixed lithologies including sandstone, brick, wood and clinker. Frequent gravel sized pockets of orange medium sand. Frequent rootlets. (VO = 0,0)	0.50		
1.50	ES 2		2 (MADE GROUND) Orangish brown slightly sandy gravelly SILT with medium cobble content. Sand is fine to medium of ash. Gravel is subangular to subrounded fine to coarse of mixed lithologies including sandstone, brick and wood. Cobbles are subangular to subrounded of sandstone. Frequent gravel sized pockets of orange medium sand. Occasional rootlets. (VO = 1,0)	(1.60)		
2.50	ES 3		3 (MADE GROUND) Greyish brown slightly silty gravelly fine to coarse SAND with medium cobble content. Gravel is subangular to subrounded, fine to coarse of mixed lithologies including sandstone, concrete and brick. Cobbles are subangular to subrounded occasionally tabular of sandstone. Rare rootlets. (VO = 2,2)	2.10		
3.50	ES 4			(3.30)		
4.50	ES 5					
Depth	Type & No.	Records Date	Stratum continues to 5.40 m			
Groundwater Entries No. Struck Post Strike Behaviour (m) 1 4.00 Slight seepage from Face B. Pooling at base, few crs.			Depth Related Remarks * From to (m)		Stability Stable Shoring None Weather Rain	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit NSW382 Sheet 1 of 2	

Trial Pit Log



Logged NK Checked AJ		Start 08/10/2014 End 08/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 5.4m Terminated on bedrock.	Dimensions and Orientation Width 1.00 m Length 4.00 m A B C D →		Ground Level - Coordinates - National Grid - Chainage -		
Samples and Tests			Strata					
Depth	Type & No.	Date Records	Description			Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
			3 (MADE GROUND) Greyish brown slightly silty gravelly fine to coarse SAND with medium cobble content. Gravel is subangular to subrounded, fine to coarse of mixed lithologies including sandstone, concrete and brick. Cobbles are subangular to subrounded occasionally tabular of sandstone. Rare rootlets. (VO = 2,2) EXPLORATORY HOLE ENDS AT 5.40 m			5.40		
Depth	Type & No.	Records Date						
Groundwater Entries No. Struck Post Strike Behaviour (m)			Depth Related Remarks * From to (m)			Stability Stable Shoring None Weather Rain		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4829/01/2015 13:23:57			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited			Trial Pit NSW382 Sheet 2 of 2		

Trial Pit Log

Logged NK Checked AJ		Start 08/10/2014 End 08/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 4.9m Terminated on bedrock.	Dimensions and Orientation Width 1.00 m Length 5.00 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata	Depth, Level/ (Thickness) Legend Backfill/ Instruments		
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (MADE GROUND) Orangish brown slightly sandy gravelly SILT with medium cobble content. Sand is fine to medium. Gravel is subangular to subrounded, fine to coarse of mixed lithologies including sandstone, brick, wood and concrete. Cobbles are subangular to subrounded occasionally tabular of mixed lithologies including sandstone and brick. Occasional rootlets. (VO = 1,0)	(1.70)		
1.50	ES 2			1.70		
2.50	ES 3		2 Greyish brown slightly silty gravelly fine to medium SAND with medium cobble content. Gravel is subangular to subrounded, fine to coarse of mixed lithologies including sandstone and brick. Cobbles are subangular to subrounded, occasionally tabular of sandstone. Occasional gravel sized pockets of orange fine to medium sand. (VO = 2,3)	2.00 m Pipe		
3.50	ES 4			(3.20)		
4.50	ES 5					
EXPLORATORY HOLE ENDS AT 4.90 m				4.90		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m)			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Cloudy		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25			Project Coed Darcy Site-wide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW383 Sheet 1 of 1		

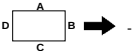
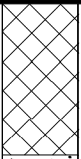
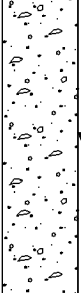
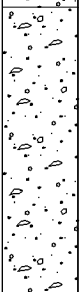
Trial Pit Log



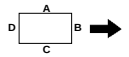
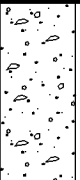
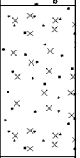
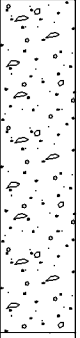
Logged NK Checked AP		Start 09/10/2014 End 09/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 0.50m. Terminated due to collapse.	Dimensions and Orientation Width 1.50 m Length 3.00 m A B C D	Ground Level - Coordinates - National Grid - Chainage -
Samples and Tests			Strata		
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend Backfill/ Instruments
		*	1 (MADE GROUND) Soft dark brown sandy gravelly SILT with medium cobble content. Sand is fine to coarse. Gravel is subangular to subrounded fine to coarse of sandstone, clinker and brick. Cobbles are subangular to subrounded of sandstone and brick. Rare rootlets. (VO = 0,0) EXPLORATORY HOLE ENDS AT 0.50 m	(0.50) 0.50	1
Depth	Type & No.	Records Date			
Groundwater Entries No. Struck Post Strike Behaviour (m) 1 0.50 Abundant groundwater pooling			Depth Related Remarks * From to (m) 0.00 0.50 No samples obtained.	Stability Unstable Shoring None Weather Rain	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW384 Sheet 1 of 1	



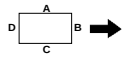
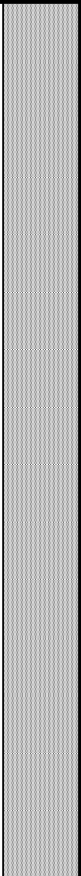
Trial Pit Log

Logged SP Checked AP		Start 24/11/2014 End 24/11/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 4.5m Terminated at maximum reach of excavator.	Dimensions and Orientation Width 1.50 m Length 3.00 m 		Ground Level Coordinates National Grid Chainage		- - -
Samples and Tests			Strata					
Depth	Type & No.	Date Records	Description			Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (MADE GROUND) Brown gravelly, fine to coarse SAND with medium cobble content. Gravel is angular to well rounded, fine to coarse of mixed lithologies including sandstone and occasional brick. Cobbles are angular to well rounded of sandstone, occasional brick and occasional concrete. (VO = 0,0)			0.50		
1.50	ES 2		2 Light brown clayey gravelly, fine to coarse SAND with low cobble content. Gravel is angular to well rounded, fine to coarse of mixed lithologies including sandstone and siltstone. Cobbles are angular to well rounded of mixed lithologies including sandstone and siltstone. (VO = 0,0)			1.00		1
2.50	ES 3		3 Blackish grey very clayey slightly gravelly, fine to coarse SAND with low cobble content. Gravel is angular to well rounded, fine to coarse of sandstone. Cobbles are angular to well rounded of sandstone. (VO = 3,3)			1.50		
3.50	ES 4					(3.00)		
			EXPLORATORY HOLE ENDS AT 4.50 m			4.50		
Depth	Type & No.	Records Date						
Groundwater Entries No. Struck Post Strike Behaviour (m) 1 1.00 Light			Depth Related Remarks * From to (m)			Stability Stable Shoring None Weather Cold		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4816/01/2015 14:42:34			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited			Trial Pit NSW385 Sheet 1 of 1		

Trial Pit Log

Logged JC Checked AP	Start 13/10/2014 End 13/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 2.20m Unable to progress through concrete.	Dimensions and Orientation Width 1.70 m Length 3.80 m 	Ground Level Coordinates National Grid Chainage		
Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.30	ES 1		1 Greyish brown frequently stained dark grey slightly silty locally silty gravelly, fine to coarse SAND with low cobble content. Gravel is angular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded of sandstone. Faint hydrocarbon odour. (VO = 2,1)	(0.60)		
0.50	ES 2		2 Orangish light brown sandy SILT. Sand is fine to medium. (VO = 1,1)	0.60 (0.50)		
1.50	ES 3		3 Light grey occasionally heavily stained dark grey slightly silty gravelly, fine to coarse SAND with low cobble content. Gravel is angular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded, fine to coarse of sandstone. Strong hydrocarbon odour. (VO = 3,3)	1.10 (1.10)		
			EXPLORATORY HOLE ENDS AT 2.20 m	2.20		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)		Stability Stable Shoring None Weather Cloudy,raining	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit NSW386 Sheet 1 of 1	

Trial Pit Log

Logged JC Checked AP	Start 13/10/0114 End 13/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 2.90m Unable to progress through cobbles.	Dimensions and Orientation Width 1.60 m Length 4.10 m 	Ground Level - Coordinates - National Grid - Chainage -		
Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 Brown occasionally stained dark grey slightly silty locally silty gravelly, fine to coarse SAND with low cobble content. Gravel is angular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded of sandstone. Faint hydrocarbon odour. (VO = 1,1)	(1.10)		
1.50	ES 2		2 Light grey occasionally heavily stained slightly silty slightly gravelly, fine to coarse SAND with low to medium cobble content. Gravel is subangular to subrounded, fine to coarse of sandstone. Cobbles are angular to subangular of sandstone. Strong hydrocarbon odour. (VO = 3,3)	1.10 (1.80)		
2.50	ES 3			2.90		
			EXPLORATORY HOLE ENDS AT 2.90 m			
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)	Stability Stable Shoring none Weather Cloudy,windy		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW387 Sheet 1 of 1		

Trial Pit Log

Logged NK Checked AP		Start 09/10/2014 End 09/10/2014	Equipment, Methods and Remarks Komatsu PC210 machine excavated trial pit from GL to 4.8m Terminated on bedrock.	Dimensions and Orientation Width 1.00 m Length 4.50 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata	Depth, Level/ (Thickness) Legend Backfill/ Instruments		
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (MADE GROUND) Dark brown slightly sandy gravelly SILT with high cobble content. Sand is fine to coarse. Gravel is subangular to subrounded, fine to coarse of mixed lithologies including sandstone, concrete and brick. Cobbles are subangular to subrounded of mixed lithologies including sandstone, brick and concrete. Occasional rootlets. (VO = 2,1) 0.50 m Large concrete block.	(0.80)		
1.50	ES 2		2 (MADE GROUND) Greyish brown, locally black gravelly slightly silty fine to coarse SAND with medium cobble content. Sand is fine to coarse. Gravel is subangular to subrounded, fine to coarse of mixed lithologies including sandstone, brick and clinker. Cobbles are subangular to subrounded occasionally tabular of sandstone and brick. (VO = 2,3)	0.80		
2.50	ES 3					
3.50	ES 4			(4.00)		
4.50	ES 5					
			EXPLORATORY HOLE ENDS AT 4.80 m	4.80		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Cloudy,rain		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4817/02/2015 15:55:32			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW388 Sheet 1 of 1		

Trial Pit Log

Logged NK Checked AP		Start 09/10/2014 End 09/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 4.8m Terminated on bedrock.	Dimensions and Orientation Width 1.00 m Length 4.50 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata	Depth, Level/ (Thickness) Legend Backfill/ Instruments		
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (MADE GROUND) Light brown slightly silty gravelly fine to coarse SAND of ash with medium cobble content. Gravel is subangular to subrounded, fine to coarse of mixed lithologies including sandstone and brick. Cobbles are subangular to subrounded of sandstone. (VO = 1,2)	(2.40)		
1.50	ES 2					
2.50	ES 3		2 (MADE GROUND) Black slightly silty gravelly medium to coarse SAND with medium cobble content. Gravel is subangular to subrounded, fine to coarse of mixed lithologies including sandstone and brick. Cobbles are subangular to subrounded of sandstone. (VO = 3,2)	2.40 (0.60)		
3.50	ES 4		3 (MADE GROUND) Dark brown gravelly fine to coarse SAND with high cobble content. Gravel is subangular to subrounded, fine to coarse of sandstone, brick and clinker. Cobbles are subangular to subrounded, occasionally tabular of sandstone. (VO = 2,2)	3.00 (1.80)		
4.50	ES 5					
			EXPLORATORY HOLE ENDS AT 4.80 m	4.80		
Groundwater Entries No. Struck Post Strike Behaviour (m)			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Cloudy,rain		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW389 Sheet 1 of 1		

Trial Pit Log



Logged AW Checked AP		Start 28/10/2014 End 28/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 3.5m Unable to progress beyond 3.50m.	Dimensions and Orientation Width 1.30 m Length 6.00 m A B C D		Ground Level Coordinates National Grid Chainage		- - -
Samples and Tests			Strata					
Depth	Type & No.	Date Records	Description			Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (MADE GROUND) Dark brown subrounded sandy subangular to subrounded fine to coarse GRAVEL of brick and macadam. Sand is fine to coarse. (VO = 0,0)			0.20		
1.50	ES 2		2 Brown slightly silty gravelly fine to coarse SAND with high cobble content. Gravel is subangular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded sandstone. (VO = 0,0)			(3.30)		
2.50	ES 3							
3.50	ES 4		EXPLORATORY HOLE ENDS AT 3.50 m			3.50		
Depth	Type & No.	Records Date						
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)			Stability Stable Shoring None Weather Dry,sunny		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4904/02/2015 13:37:32			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited			Trial Pit NSW39 Sheet 1 of 1		

Logged NK Checked AP		Start 09/10/2014 End 09/10/2014		Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 4.7m Terminated on bedrock.		Dimensions and Orientation Width 1.00 m Length 5.00 m A B C D E		Ground Level Coordinates National Grid Chainage		
Samples and Tests			Strata							
Depth	Type & No.	Date Records	Description					Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (MADE GROUND) Orangish brown slightly sandy slightly gravelly SILT. Sand is fine to medium. Gravel is subangular to subrounded, fine to coarse of sandstone and brick. Frequent rootlets and wood fragments. (VO = 0,0)					(0.90)		
1.50	ES 2		2 (MADE GROUND) Greyish brown slightly silty gravelly fine to coarse SAND with medium cobble content. Gravel is subangular to subrounded, fine to coarse of mixed lithologies including sandstone, brick and clinker. Cobbles are subangular to subrounded, occasionally tabular of sandstone and brick. Rare rootlets. (VO = 2,2)					0.90 (1.20)		
2.50	ES 3		3 (MADE GROUND) Greyish brown gravelly fine to coarse SAND with medium cobble content. Gravel is subangular to subrounded, fine to coarse of mixed lithologies including sandstone and brick. Cobbles are subangular to subrounded, occasionally tabular of sandstone. (VO = 1,2)					2.10		
3.50	ES 4							(2.60)		
4.50	ES 5									
			EXPLORATORY HOLE ENDS AT 4.70 m					4.70		
Depth	Type & No.	Records Date								
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)					Stability Shoring None Weather Cloudy,rain		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4817/02/2015 15:55:50 ESG			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited					Trial Pit NSW390 Sheet 1 of 1		

Trial Pit Log

Logged NK Checked AP	Start 09/10/2014 End 09/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 5.3m Terminated on bedrock.	Dimensions and Orientation Width 1.00 m Length 4.00 m 	Ground Level - Coordinates - National Grid - Chainage -		
Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (MADE GROUND) Orangish brown slightly sandy slightly gravelly SILT. Sand is fine to medium. Gravel is subangular to subrounded, fine to coarse of mixed lithologies including sandstone, clinker and brick. Frequent gravel sized pockets of orange medium sand. Frequent rootlets and wood fragments. (VO = 0,0)	(0.60)		
1.00	ES 2		2 (MADE GROUND) Black slightly silty slightly gravelly fine to coarse SAND. Gravel is subangular to subrounded, fine to coarse of sandstone and clinker. (VO = 3,2)	0.60 (0.40)		
2.00	ES 3		3 (MADE GROUND) Greyish brown gravelly fine to coarse SAND with medium cobble content. Gravel is subangular to subrounded, fine to coarse of sandstone, brick and clinker. Cobbles are subangular to subrounded, occasionally tabular of sandstone. Rare rootlets. (VO = 2,3)	1.00		
3.00	ES 4			(3.20)		
4.00	ES 5			4.20		
			4 (MADE GROUND) Blackish grey slightly silty gravelly fine to coarse SAND with medium cobble content. Gravel is subangular to subrounded, fine to coarse of mixed lithologies including sandstone and clinker. Cobbles are subangular to subrounded, occasionally tabular of sandstone. Frequent wood fragments. (VO = 3,3)	(1.10)		
Depth	Type & No.	Records Date	Stratum continues to 5.30 m			
Groundwater Entries No. Struck Post Strike Behaviour (m)			Depth Related Remarks * From to (m)			Stability Stable Shoring None Weather Cloudy,rain
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4817/02/2015 15:55:53			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited			Trial Pit NSW391 Sheet 1 of 2

Trial Pit Log



Logged NK Checked AP		Start 09/10/2014 End 09/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 5.3m Terminated on bedrock.	Dimensions and Orientation Width 1.00 m Length 4.00 m A B C D	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
5.00	ES 6		4 (MADE GROUND) Blackish grey slightly silty gravelly fine to coarse SAND with medium cobble content. Gravel is subangular to subrounded, fine to coarse of mixed lithologies including sandstone and clinker. Cobbles are subangular to subrounded, occasionally tabular of sandstone. Frequent wood fragments. (VO = 3,3) 5.30 m Bedrock. EXPLORATORY HOLE ENDS AT 5.30 m	5.30		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m)			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Cloudy,rain		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4817/02/2015 15:55:54 AGS			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW391 Sheet 2 of 2		

Trial Pit Log

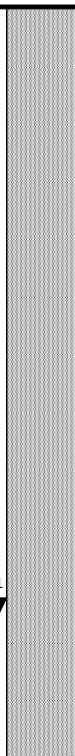
Logged NK Checked AP		Start 09/10/2014 End 09/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 5.1m Terminated on bedrock.	Dimensions and Orientation Width 1.00 m Length 4.00 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata	Depth, Level/ (Thickness) Legend Backfill/ Instruments		
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (MADE GROUND) Orangey brown slightly sandy gravelly SILT with medium cobble content. Sand is fine to medium of ash. Gravel is subangular to subrounded, fine to coarse of sandstone, brick and clinker. Cobbles are subangular to subrounded, fine to coarse of sandstone and brick. Frequent gravel sized pockets of medium sand. Frequent rootlets and wood fragments. (VO = 1,1)	(0.90)		
1.50	ES 2		2 (MADE GROUND) Greyish brown slightly sandy gravelly SILT with medium cobble content. Sand is fine to medium. Gravel is subangular to subrounded, fine to coarse of mixed lithologies including sandstone, brick and concrete. Cobbles are subangular to subrounded of sandstone. Occasional gravel sized pockets of orange medium sand. Rare rootlets and wood fragments. (VO = 1,2)	0.90		
2.50	ES 3					
3.50	ES 4			(4.20)		
4.50	ES 5					
Depth	Type & No.	Records Date	Stratum continues to 5.10 m			
Groundwater Entries No. Struck Post Strike Behaviour (m)			Depth Related Remarks * From to (m)		Stability Stable Shoring None Weather Cloudy	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4817/02/2015 15:55:58			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit NSW392 Sheet 1 of 2	

Trial Pit Log



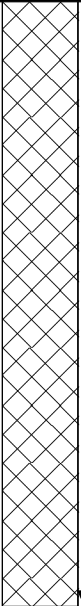
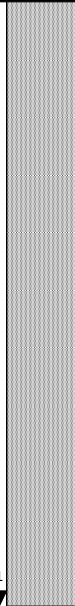
Logged NK Checked AP		Start 09/10/2014 End 09/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 5.1m Terminated on bedrock.	Dimensions and Orientation Width 1.00 m Length 4.00 m A B C D	Ground Level - Coordinates - National Grid - Chainage -
Samples and Tests			Strata		
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend Backfill/ Instruments
			2 (MADE GROUND) Greyish brown slightly sandy gravelly SILT with medium cobble content. Sand is fine to medium. Gravel is subangular to subrounded, fine to coarse of mixed lithologies including sandstone, brick and concrete. Cobbles are subangular to subrounded of sandstone. Occasional gravel sized pockets of orange medium sand. Rare rootlets and wood fragments. (VO = 1,2) EXPLORATORY HOLE ENDS AT 5.10 m	5.10	
Depth	Type & No.	Records Date			
Groundwater Entries No. Struck Post Strike Behaviour (m)			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Cloudy	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW392 Sheet 2 of 2	



Logged SP Checked AP		Start 27/11/2014 End 27/11/2014		Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 2.5m Terminated due to collapse.		Dimensions and Orientation Width 1.50 m Length 3.00 m A B C D ➔		Ground Level Coordinates National Grid Chainage		- - -
Samples and Tests				Strata						
Depth	Type & No.	Date Records	Description					Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (MADE GROUND) Dark brown clayey gravelly, fine to coarse SAND with low cobble content. Gravel is angular to well rounded, fine to coarse of sandstone and occasional brick. Cobbles are angular to well rounded of sandstone and occasional brick. Occasional rootlets. ccasional metal wire. (VO = 2,2)					(2.50)		
1.50	ES 2									
			EXPLORATORY HOLE ENDS AT 2.50 m					2.50		
Depth	Type & No.	Records Date								
Groundwater Entries No. Struck Post Strike Behaviour (m) 1 2.00 Inflow			Depth Related Remarks * From to (m)					Stability Unstable Shoring None Weather Cloudy		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4813/01/2015 15.07.25 			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited					Trial Pit NSW393A Sheet 1 of 1		

Trial Pit Log

Logged CP Checked AJ		Start 08/10/2014 End 08/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 4.10m Terminated on bedrock.	Dimensions and Orientation Width 1.50 m Length 4.70 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata	Depth, Level, (Thickness)		
Depth	Type & No.	Date Records	Description	Depth, Level, (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (MADE GROUND) Brown slightly gravelly sandy CLAY with medium cobble content. Sand is fine to coarse. Gravel is angular to subangular, fine to coarse of sandstone and brick. Cobbles are angular to subangular of sandstone, brick and tiles. Abundant rootlets. (VO = 0,0)	0.20		
1.50	ES 2		2 Greyish brown to brownish grey gravelly silty fine to coarse (predominantly fine to medium) SAND with high cobble content and medium boulder content. Gravel is angular to subangular, fine to coarse of sandstone. Cobbles are angular to subrounded of sandstone. Boulders are subangular to subrounded of sandstone. (VO = 2,4)	(3.90)		
2.50	ES 3					
3.50	ES 4		3.00-4.10 m High boulder content.			
			EXPLORATORY HOLE ENDS AT 4.10 m	4.10		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Thunder,h.rain,wind		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW394 Sheet 1 of 1		

Logged SP Checked AP		Start 27/11/2014 End 27/11/2014		Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 2.0m Terminated due to collapse.		Dimensions and Orientation Width 1.50 m Length 3.00 m A B C D B →		Ground Level Coordinates National Grid Chainage		- - -
Samples and Tests				Strata						
Depth	Type & No.	Date Records	Description					Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (MADE GROUND) Soft dark brown heavily stained black sandy SILT. Sand is fine to coarse. Occasional metal wire. Occasional rootlets. (VO = 5,4)					(2.00)		
1.50	ES 2									
			EXPLORATORY HOLE ENDS AT 2.00 m					2.00		
Depth	Type & No.	Records Date								
Groundwater Entries No. Struck Post Strike Behaviour (m) 1 2.00 Slight seepage.			Depth Related Remarks * From to (m)					Stability Slightly unstable Shoring None Weather Cloudy		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4813/01/2015 15:07:37 			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited					Trial Pit NSW395A Sheet 1 of 1		

Trial Pit Log

Logged CP Checked AJ		Start 08/10/2014 End 08/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 2.60m Terminated on bedrock.	Dimensions and Orientation Width 1.50 m Length 4.80 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (MADE GROUND) Dark reddish brown to brown gravelly fine to coarse SAND of predominantly crushed brick and clinker with low cobble content. Gravel is angular to subangular, fine to coarse of brick. Cobbles are subangular of brick. Abundant rootlets. (VO = 0,0)	0.20		
1.50	ES 2		2 Greyish brown to brown locally stained dark grey to black gravelly silty SAND with medium cobble content and low boulder content. Sand is fine to coarse (predominantly fine to medium). Gravel is angular to subrounded, fine to coarse of sandstone. Cobbles are angular to subrounded <140 x 110 x 90mm of sandstone. Boulders are subangular <400 x 400 x 260mm of sandstone. (VO = 3,4)	(2.40)		
2.50	ES 3		2.20-2.60 m High cobble and boulder content.	2.60		
			EXPLORATORY HOLE ENDS AT 2.60 m			
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Overcast, cool		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4809/02/2015 15:02:17			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW396 Sheet 1 of 1		

Trial Pit Log

Logged CP Checked AJ		Start 08/10/2014 End 08/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 1.40m Terminated as unable to dig around cast iron pipe at 0.90m	Dimensions and Orientation Width 1.50 m Length 4.60 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata	Depth, Level/ (Thickness) Legend Backfill/ Instruments		
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (MADE GROUND) Greyish brown slightly gravelly sandy CLAY with medium cobble content. Sand is fine to coarse (predominantly fine). Gravel is angular to subrounded, fine to coarse of sandstone, brick, tiles and concrete. Abundant roots and rootlets. Occasional mortar tiles for electric cables. Abundant pockets of orangish brown and yellowish brown slightly gravelly silty sand. (VO = 1,2)	(0.80)		
1.30	ES 2		2 (MADE GROUND) Brownish grey gravelly silty SAND with high cobble content and low boulder content. Sand is fine to coarse (predominantly fine to medium). Gravel is angular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded <100 x 80 x 70mm of sandstone and brick. Boulders are angular to subangular <600 x 400 x 250 of concrete and brick clusters. (VO = 5,4)	0.80 (0.60) 1.40		
			0.90 m Cast iron pipe 200mm diameter between faces A and C (north/south) coated in oil with much oil staining in surrounding soil.			
			EXPLORATORY HOLE ENDS AT 1.40 m			
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Cool,cloudy		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW397 Sheet 1 of 1		

Trial Pit Log

Logged CP Checked AJ		Start 07/10/2014 End 07/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 2.20m Terminated on bedrock.	Dimensions and Orientation Width 1.50 m Length 4.20 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata	Depth, Level/ (Thickness) Legend Backfill/ Instruments		
Depth	Type & No.	Date Records	Description			
0.50	ES 1		1 (MADE GROUND) Greyish brown gravelly silty fine to coarse SAND with medium cobble content. Gravel is angular to subangular, fine to coarse of sandstone, brick, concrete and clinker. Cobbles are subangular of sandstone and brick. Rare roots and rootlets. (VO = 0,0)	(0.30)		
			2 (MADE GROUND) Dark grey to black gravelly fine to coarse SAND of ash with low cobble content. Gravel is angular to subangular, fine to coarse of clinker, brick and rare sandstone. Cobbles are angular to subangular of sandstone and brick. (VO = 0,0)	0.30 0.40 (1.10)		
1.50	ES 2		3 Greyish brown to brown gravelly silty fine to coarse (predominantly fine) SAND with low cobble and boulder content. Gravel is angular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded of sandstone. Boulders are angular and tabular of sandstone. (VO = 0,1)	1.50		
2.10	ES 3		4 Brownish grey to grey frequently stained black angular tabular COBBLES and BOULDERS of sandstone with much sandy gravel. Sand is fine to coarse (predominantly fine to medium). Gravel is angular to subangular, fine to coarse of sandstone. (VO = 2,3)	(0.70)		
			EXPLORATORY HOLE ENDS AT 2.20 m	2.20		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Overcast, cool,		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW398 Sheet 1 of 1		

Trial Pit Log

Logged CP Checked AJ		Start 07/10/2014 End 07/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 2.4m Terminated on bedrock.	Dimensions and Orientation Width 1.50 m Length 4.50 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata	Depth, Level, (Thickness), Legend, Backfill/ Instruments		
Depth	Type & No.	Date Records	Description	Depth, Level, (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 Indistinctly mottled yellowish brown to greyish brown, locally orangish brown gravelly silty fine to coarse (predominantly fine) SAND with high cobble content and medium boulder content. Gravel is angular to subangular, fine to coarse of sandstone. Cobbles are angular to subrounded of sandstone. Boulders are subangular to subrounded of sandstone. Abundant roots and rootlets. (VO = 0,0)	(1.40)		
1.50	ES 2		2 Greyish brown gravelly silty fine to coarse SAND with high cobble and boulder content. Gravel is angular to subrounded, fine to coarse of sandstone. Cobbles are subrounded of sandstone. (VO =1,1)	1.40 (0.70)		
2.30	ES 3		3 Brownish grey gravelly silty fine to coarse SAND with medium cobble content and high boulder content. Gravel is angular to subrounded, fine to coarse of sandstone. Cobbles are tabular of sandstone. Boulders are angular tabular of sandstone. (VO = 2,3)	2.10 (0.30)		
			EXPLORATORY HOLE ENDS AT 2.40 m	2.40		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Rain, I, wind,		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW399 Sheet 1 of 1		

Trial Pit Log



Logged AW Checked AP		Start 04/11/2014 End 04/11/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 3.0m Terminated due to proximity of service (possible water pipe).	Dimensions and Orientation Width 1.30 m Length 6.00 m A B C D		Ground Level 0.00 mOD Coordinates E 41114.00 National Grid Chainage -	
Samples and Tests			Strata				
Depth	Type & No.	Date Records	Description		Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (MADE GROUND) Grey angular to subangular fine to coarse GRAVEL of aggregate and brick. (VO = 0,0)		0.20 -0.20		
1.50	ES 2		2 Brown slightly silty gravelly fine to coarse SAND with medium cobble and low boulder content. Gravel is subangular to subrounded, fine to coarse of sandstone. Cobbles and boulders are subangular to subrounded of sandstone. (VO = 0,0)		(2.80)		
2.50	ES 3						
			EXPLORATORY HOLE ENDS AT 3.00 m		3.00 -3.00		
Depth	Type & No.	Records Date					
Groundwater Entries No. Struck Post Strike Behaviour (m)			Depth Related Remarks * From to (m)		Stability Stable Shoring None Weather Dry and clear		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4816/01/2015 14:41:40			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit NSW4 Sheet 1 of 1		

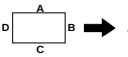
Trial Pit Log



Logged AW Checked AJ		Start 28/10/2014 End 28/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 3.5m Unable to progress beyond 3.50m.	Dimensions and Orientation Width 1.30 m Length 6.00 m A B C D		Ground Level Coordinates National Grid Chainage		- - -
Samples and Tests			Strata					
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments		
0.50	ES 1		1 (MADE GROUND) Brownslightly silty fine to caorse SAND with low cobble content. Cobbles are subagular of brick. (VO = 0,0)	0.50				
1.50	ES 2		2 Greyish brown slightly silty gravelly fine to coarse SAND with medium cobble content. Gravel is subangular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded of sandstone. (VO = 0,0)	(3.00)				
2.50	ES 3							
3.50	ES 4		EXPLORATORY HOLE ENDS AT 3.50 m	3.50				
Depth	Type & No.	Records Date						
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)		Stability Stable Shoring None Weather Dry,sunny			
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit NSW40 Sheet 1 of 1			



Trial Pit Log

Logged CP Checked AJ		Start 07/10/2014 End 07/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 1.90m Terminated on bedrock.	Dimensions and Orientation Width 1.50 m Length 4.00 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata	Depth, Level, (Thickness), Legend, Backfill/ Instruments		
Depth	Type & No.	Date Records	Description	Depth, Level, (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (MADE GROUND) Dark greyish brown silty sandy angular to subangular, fine to coarse GRAVEL of brick and sandstone with medium cobble content. Sand is fine to coarse. Cobbles are angular to subangular of brick and sandstone. (VO = 0,0)	0.10		
			2 Indistinctly mottled brown and yellowish brown gravelly silty fine to coarse SAND with medium cobble and boulder content. Gravel is angular to subangular, fine to coarse of sandstone. Cobbles are angular to subangular tabular of sandstone. Boulders are angular to subrounded of sandstone. (VO = 0,0)	(1.00)		
1.50	ES 2		3 Brownish grey locally stained dark grey slightly silty gravelly fine to coarse (predominantly fine to medium) SAND with high cobble content and low boulder content. Gravel is angular to subangular, fine to coarse of sandstone. Cobbles are angular to subangular tabular of sandstone. Boulders are subangular tabular of sandstone. (VO = 2,2)	1.10 (0.80)		
			EXPLORATORY HOLE ENDS AT 1.90 m 1.90 m Bedrock.	1.90		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Cloudy,windy,		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4829/01/2015 13:24:13 			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW400 Sheet 1 of 1		

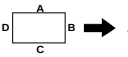
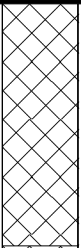
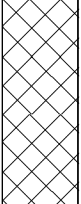
Trial Pit Log

Logged CP Checked AJ		Start 07/10/2014 End 07/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 2.90m Terminated due to instability.	Dimensions and Orientation Width 1.50 m Length 4.00 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.20	ES 1		1 (MADE GROUND) Dark grey to black gravelly fine to coarse SAND of ash with high cobble content. Gravel is angular, fine to coarse of clinker and slag. Cobbles are angular to subangular of sandstone. (VO = 0,0)	0.30		
1.20	ES 2		2 Yellowish brown indistinctly mottled grey and orangish brown locally stained dark grey gravelly silty fine to coarse SAND with medium cobble content and low boulder content Gravel is angular to subrounded, fine to coarse of sandstone. Cobbles are angular to subangular of sandstone. Boulders are angular tabular of sandstone. Abundant pockets of soft yellowish brown slightly gravelly sandy silt. (VO = 2,3)	(1.70)		
2.50	ES 3		3 Brown to yellowish brown heavily stained dark grey silty gravelly fine to coarse SAND with high cobble content and low boulder content. Gravel is angular to subrounded, fine to coarse of sandstone. Cobbles and boulders are subangular tabular of sandstone. Visible free product. (VO = 4,3)	2.00 (0.90)		
			EXPLORATORY HOLE ENDS AT 2.90 m	2.90		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)	Stability Unstable at 2.90m Shoring None Weather Wet,windy,		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4829/01/2015 13.24.17			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW402 Sheet 1 of 1		

Trial Pit Log

Logged NK Checked AJ		Start 07/10/2014 End 07/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 2.5m Terminated on bedrock.	Dimensions and Orientation Width 1.00 m Length 5.00 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata	Depth, Level/ (Thickness) Legend Backfill/ Instruments		
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.20	ES 1		1 (MADE GROUND) Orangish brown slightly gravelly sandy SILT. Sand is fine to medium. Gravel is subangular to subrounded, fine to coarse of mixed lithologies including sandstone, clinker and brick. Occasional rootlets. (VO = 0,1)	(0.30)		
0.40	ES 2		2 (MADE GROUND) Black slightly silty gravelly fine to coarse SAND. Gravel is subangular to subrounded, fine to coarse of sandstone. (VO = 3,0)	0.30 0.40		
1.00	ES 3		3 (MADE GROUND) Mainly greyish brown slightly silty gravelly fine to coarse SAND with low cobble content. Gravel is subangular to subrounded, fine to coarse of sandstone, clinker and concrete. Cobbles are subangular to subrounded of sandstone. (VO = 2,1)	(1.20)		
2.00	ES 4		4 (MADE GROUND) Greyish brown slightly sandy gravelly SILT with low cobble content. Sand is fine to coarse. Gravel is subangular to subrounded, fine to coarse of mixed lithologies including sandstone and clinker. Cobbles are subangular to subrounded tabular of sandstone and brick. Frequent gravel sized pockets of medium sand. (VO = 1,2)	1.60 (0.90)		
			EXPLORATORY HOLE ENDS AT 2.50 m	2.50		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)	Stability Unstable Shoring None Weather Cloudy		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4829/01/2015 13:24:20			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW403 Sheet 1 of 1		

Trial Pit Log

Logged NK Checked AJ		Start 07/10/2014 End 07/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 1.5m Terminated on bedrock.	Dimensions and Orientation Width 1.00 m Length 5.00 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata	Depth, Level, (Thickness), Legend, Backfill/ Instruments		
Depth	Type & No.	Date Records	Description	Depth, Level, (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (MADE GROUND) Dark brown slightly sandy gravelly SILT with low cobble content. Sand is fine to medium. Gravel is subangular to subrounded, fine to coarse of mixed lithologies including sandstone, plastic and clinker. Cobbles are subangular to subrounded of sandstone. Frequent gravel size pockets of orangy brown fine sand. Frequent rootlets. Frequent wood fragments. (VO = 1,0)	(0.80)		
			2 (MADE GROUND) Mainly bluish grey slightly silty gravelly SAND with frequent cobbles. Sand is fine to medium. Gravel is subangular to subrounded, fine to coarse consisting of mix lith including sandstone, brick and clinker. Cobbles are subangular to subrounded, fine to coarse consisting of sandstone. Frequent gravel sized sand pockets. Rare rootlets. (VO = 3,3)	0.80 (0.70)		
1.50	ES 2		EXPLORATORY HOLE ENDS AT 1.50 m 1.50 m Bedrock	1.50		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)	Stability Unstable Shoring None Weather Sunny		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4829/01/2015 13:24:24 			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW405 Sheet 1 of 1		

Trial Pit Log

Logged NK Checked AJ		Start 07/10/2014 End 07/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 2.5m Terminated on bedrock. Lip reached at 0.5m depth, 1m from Face D.	Dimensions and Orientation Width 1.00 m Length 4.00 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata	Depth, Level/ (Thickness) Legend Backfill/ Instruments		
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (MADE GROUND) Light brown sandy slightly gravelly SILT with low cobble content. Sand is fine to medium. Gravel is subangular to subrounded, fine to coarse of mixed lithologies including sandstone, clinker and brick. Cobbles are subangular to subrounded of sandstone. Rare rootlets. (VO = 0,0)	(1.00)		
1.50	ES 2		2 (MADE GROUND) Dark grey slightly sandy gravelly SILT with low cobble content. Sand is fine to medium. Gravel is subangular to subrounded, fine to coarse of mixed lithologies including sandstone, brick and clinker. Cobbles are subangular to subrounded, fine to coarse, occasionally tabular of sandstone. Occasional gravel sized pockets of orangih brown medium sand. Rare rootlets. (VO = 2,2)	(1.50)		
2.50	ES 3		EXPLORATORY HOLE ENDS AT 2.50 m	2.50		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m)			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Sunny		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW406 Sheet 1 of 1		

Trial Pit Log

Logged NK Checked AJ		Start 07/10/2014 End 07/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 2.0m Terminated on bedrock.	Dimensions and Orientation Width 1.00 m Length 5.00 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (MADE GROUND) Orangish brown slightly sandy gravelly SILT. Sand is fine to coarse. Gravel is subangular to subrounded, fine to coarse of mixed lithologies including sandstone, clinker and wood. Frequent gravel sized pockets of medium sand. Occasional rootlets. (VO = 0,0)	(0.80)		
1.00	ES 2		2 Dark brown slightly sandy gravelly SILT. Sand is fine to coarse. Gravel is subangular to subrounded, fine to coarse of mixed lithologies including sandstone. Frequent gravel sized pockets of orangish medium sand. Occasional rootlets. (VO = 1,2)	0.80 (0.50)		
1.50	ES 3		3 Greyish brown slightly sandy gravelly SILT with low cobble content. Sand is fine to coarse. Gravel is subangular to subrounded, fine to coarse of mixed lithologies including sandstone. Cobbles are subangular to subrounded, occasionally tabular of sandstone. Frequent gravel sized pockets of medium sand. Rare rootlets. (VO = 2,2)	1.30 (0.70)		
			EXPLORATORY HOLE ENDS AT 2.00 m	2.00		
			2.00 m Bedrock			
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m)			Depth Related Remarks * From to (m)	Stability Unstable Shoring None Weather Sunny		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4829/01/2015 13:24:31			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW407 Sheet 1 of 1		

Trial Pit Log



Logged NK Checked AP		Start 07/10/2014 End 07/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated pit from GL to 1.00m. Terminated due to collapse.	Dimensions and Orientation Width 1.00 m Length 5.00 m A B C D		Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata				
Depth	Type & No.	Date Records	Description		Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
		*	1 (MADE GROUND) Soft dark brown sandy gravelly SILT with medium cobble content. Sand is fine to coarse. Gravel is subangular to subrounded fine to coarse of sandstone, concrete and brick. Cobbles are subangular to subrounded of sandstone, concrete and brick. (VO = 1,1)		(1.00)		
			EXPLORATORY HOLE ENDS AT 1.00 m		1.00		
Depth	Type & No.	Records Date					
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m) 0.00 1.00 No samples obtained.			Stability Unstable Shoring None Weather Sunny	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. (c) ESG www.esg.co.uk 426.4805/03/2015 15:12:47 AGS			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited			Trial Pit NSW408 Sheet 1 of 1	

Trial Pit Log

Logged NK Checked AJ		Start 06/10/2014 End 06/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 3m Terminated on bedrock.	Dimensions and Orientation Width 1.00 m Length 5.00 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No.	Date Records	Description			
0.50	ES 1		1 (MADE GROUND) Dark brown slightly sandy slightly gravelly SILT. Sand is fine. Gravel is subangular to subrounded, fine to coarse of sandstone and siltstone. Rootlets frequent wood occasional. (VO = 2,1)	0.20 (0.30)		
1.00	ES 2		2 (MADE GROUND) Orangish brown slightly gravelly SILT with high cobble content. Gravel is subangular to subrounded, fine to coarse of sandstone and clinker. Cobbles are subangular to subrounded of sandstone and siltstone. Occasional rootlets. (VO = 0,0)	0.50 (0.70)		
2.00	ES 3		3 (MADE GROUND) Brown slightly sandy gravelly SILT with high cobble content. Sand is fine to medium. Gravel is subangular to subrounded, fine to coarse of sandstone and clinker. Cobbles are subangular to subrounded of sandstone. (VO = 2,1)	1.20		
			4 (MADE GROUND) Light grey slightly sandy very gravelly SILT. Sand is fine to coarse. Gravel is subangular to subrounded, fine to coarse of sandstone, clinker and concrete. Cobbles are subangular to subrounded of sandstone. Rare pockets of orange sand. (VO = 3,4)	(1.80)		
			EXPLORATORY HOLE ENDS AT 3.00 m	3.00		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Rain,cloud		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4809/02/2015 15:02:28			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW409 Sheet 1 of 1		

Trial Pit Log



Logged NK Checked AP		Start 24/11/2014 End 24/11/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 3.2m Terminated on bedrock.	Dimensions and Orientation Width 1.00 m Length 3.50 m A B C D		Ground Level Coordinates National Grid Chainage		- - -
Samples and Tests			Strata					
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments		
0.50	ES 1		1 (MADE GROUND) Light brown sandy slightly gravelly SILT with medium cobble content. Sand is fine. Gravel is subangular to subrounded, fine to coarse of sandstone, brick, clinker and glass. Cobbles are subangular to subrounded of sandstone and brick. Occasional rootlets. (VO = 1,1)	(1.40)				
1.50	ES 2		2 Greyish brown sandy gravelly SILT with medium cobble content. Sand is fine to coarse. Gravel is subangular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded occasionally tabular of sandstone. (VO = 2,3)	1.40				
2.50	ES 3			(1.80)				
			EXPLORATORY HOLE ENDS AT 3.20 m	3.20				
			3.20 m Bedrock					
Depth	Type & No.	Records Date						
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)		Stability Stable Shoring None Weather Sunny			
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4816/01/2015 14:41:47 AGS			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit NSW41 Sheet 1 of 1			

Trial Pit Log

Logged NK Checked AJ		Start 06/10/2014 End 06/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 2.5m Terminated on bedrock.	Dimensions and Orientation Width 1.00 m Length 5.00 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No.	Date Records	Description			
0.50	ES 1		1 (MADE GROUND) Dark brown sandy slightly gravelly SILT. Sand is fine to coarse. Gravel is subangular to subrounded, fine to coarse of sandstone and clinker. Occasional cobble sized pockets of orange sand. Rare rootlets. (VO = 3,2)	(0.80)		
1.00	ES 2		2 Dark brown slightly sandy gravelly SILT with low cobble content. Sand is fine to coarse. Gravel is subangular to subrounded, fine to coarse of sandstone and siltstone. Cobbles are subangular to subrounded of sandstone. Rare cobble sized pockets of sand. (VO = 3,3)	0.80 (0.70)		
2.00	ES 3		1 Dark brown slightly silty gravelly fine to coarse SAND with high cobble content. Gravel is subangular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded occasionally tabular of sandstone. Rare clay pockets. (VO = 3,4)	1.50 (1.00)		
EXPLORATORY HOLE ENDS AT 2.50 m				2.50		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) 1 1.50 Slight seepage.			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Cloudy		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4809/02/2015 15:02:32			Project Coed Darcy Site-wide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW410 Sheet 1 of 1		

Trial Pit Log

Logged NK Checked AJ		Start 06/10/2014 End 06/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 2m Terminated on bedrock. Lip of bedrock reached 1.5m depth. 1m from B side.	Dimensions and Orientation Width 1.00 m Length 5.00 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (MADE GROUND) Light brown slightly sandy gravelly SILT. Sand is fine to coarse of ash. Gravel is fine to coarse, subangular to subrounded of sandstone and chert. Frequent plastic fragments. Rare plastic sheets. Occasional rootlets. (VO = 0,1)	(1.00)		
1.50	ES 2		2 Light grey slightly silty slightly gravelly medium to coarse SAND with low cobble content. Gravel is subangular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded, occasionally tabular of sandstone. (VO = 2,2)	(1.00)		
			EXPLORATORY HOLE ENDS AT 2.00 m	2.00		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Sunny		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4829/01/2015 13:24:34			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW411 Sheet 1 of 1		

Trial Pit Log

Logged NK Checked AP		Start 06/10/2014 End 06/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 1.2m Terminated on bedrock	Dimensions and Orientation Width 1.00 m Length 4.00 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata	Depth, Level/ (Thickness) Legend Backfill/ Instruments		
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (MADE GROUND) Mainly brown sandy slightly gravelly SILT with low cobble content. Sand is fine to coarse. Gravel is subangular to subrounded, fine to coarse of sandstone, plastic and clinker. Cobbles are subangular to subrounded of sandstone. Rare rootlets. (VO = 0,1)	(1.00)		
1.10	ES 2		2 (MADE GROUND) Orangish brown slightly silty gravelly fine to coarse SAND with low cobble content. Gravel is subangular to subrounded, fine to coarse of sandstone, clinker and plastic. Cobbles are subangular to subrounded of sandstone. Rare rootlets. (VO = 0,1)	1.00 1.20		
2.00	ES 3		3 Grey slightly silty gravelly fine to coarse SAND with high cobble content. Gravel is subangular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded, occasionally tabular of sandstone. (VO = 1,2)	(1.80)		
EXPLORATORY HOLE ENDS AT 3.00 m				3.00		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Sunny		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW412 Sheet 1 of 1		

Trial Pit Log

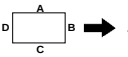


Logged NK Checked AJ		Start 06/10/2014 End 06/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 3.00m Terminated on bedrock. Slight step at 2m, 0.5m from B	Dimensions and Orientation Width 1.00 m Length 5.00 m A B C D		Ground Level Coordinates National Grid Chainage		- - -
Samples and Tests			Strata					
Depth	Type & No.	Date Records	Description			Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.60	ES 1		1 (MADE GROUND) Dark brown sandy slightly gravelly SILT. Sand is fine to coarse of ash. Gravel is subangular to subrounded, fine to coarse of mixed lithologies including sandstone, clinker and plastic. Rare cobble sized pockets of medium sand. Rare plastic sheeting. Occasional rootlets. (VO = 0,1)			(1.50)		
1.60	ES 2		2 Dark greyish brown slightly silty gravelly medium to coarse SAND with low cobble content. Sand is medium to coarse. Gravel is subangular to subrounded, fine to coarse of sandstone and clinker. Cobbles are subangular to subrounded occasionally tabular of sandstone. (VO = 1,2)			1.50		
2.60	ES 3					(1.50)		
			EXPLORATORY HOLE ENDS AT 3.00 m			3.00		
Depth	Type & No.	Records Date						
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)			Stability Stable Shoring None Weather Sunny		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4829/01/2015 13:24:37 AGS			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited			Trial Pit NSW413 Sheet 1 of 1		

Trial Pit Log

Logged NK Checked AJ		Start 06/10/2014 End 06/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 3m Terminated on bedrock.	Dimensions and Orientation Width 1.00 m Length 5.00 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata	Depth, Level/ (Thickness) Legend Backfill/ Instruments		
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (MADE GROUND) Orangish brown slightly silty gravelly fine to coarse SAND. Gravel is subangular to subrounded, fine to coarse of concrete, sandstone, clinke. Frequent plastic and wood fragments. Occasional rootlets. (VO = 0,1)	(0.80)		
1.50	ES 2		2 (MADE GROUND) Dark brown slightly silty gravelly fine to medium SAND with low cobble content. Gravel is subangular to subrounded, fine to coarse of sandstone and concrete. Cobbles are subangular to subrounded of sandstone. (VO = 0,0)	0.80		
2.50	ES 3		3 (MADE GROUND) Dark brown slightly silty gravelly medium to coarse SAND with low cobble content. Gravel is subangular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded occasionally tabular of sandstone. (VO = 0,1)	2.00		
			EXPLORATORY HOLE ENDS AT 3.00 m	3.00		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Cloudy		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW414 Sheet 1 of 1		

Trial Pit Log

Logged CP Checked AJ		Start 07/10/2014 End 07/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 3.30m Terminated on bedrock.	Dimensions and Orientation Width 1.50 m Length 4.50 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata	Depth, Level, (Thickness), Legend, Backfill/ Instruments		
Depth	Type & No.	Date Records	Description	Depth, Level, (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 Mottled yellowish brown and greyish brown occasionally orangish brown gravelly silty fine to coarse SAND with medium cobble content Gravel is angular to subangular, fine to coarse of sandstone. Cobbles are angular to subrounded of sandstone and occasional rootlets. Occasional pockets of soft sandy SILT. (VO = 0,0)	0.00-0.10 m Dark greyish brown slightly silty sandy angular, fine to medium gravel of clinker, ash and coal fragments. Sand is fine to coarse.	(1.30)	
1.50	ES 2		2 Greyish brown gravelly silty fine to coarse (predominantly fine to medium) SAND with medium cobble content and low boulder content. Gravel is angular to subrounded, fine to coarse of sandstone. Cobbles are tabular of sandstone. Boulders are angular to subangular of sandstone. (VO = 0,0)		1.30	
2.50	ES 3				(1.80)	
3.30	ES 4		3 Brownish grey to greyish brown silty sandy angular to subangular, fine to coarse GRAVEL of sandstone with high cobble content and low boulder content. Sand is fine to coarse. Cobbles are angular tabular of sandstone. Boulders are angular tabular of sandstone. (VO = 1,2)	3.30 m Bedrock.	3.10 3.30	
			EXPLORATORY HOLE ENDS AT 3.30 m			
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)		Stability Stable Shoring None Weather Cold,sunny	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit NSW415 Sheet 1 of 1	

Logged CP Checked AJ	Start 07/10/2014 End 07/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 2.80m Terminated on bedrock.	Dimensions and Orientation Width 1.50 m Length 4.80 m A B C D ➔	Ground Level Coordinates National Grid Chainage	- - -	
Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (MADE GROUND) Dark grey loclly black slightly silty gravelly fine to coarse SAND with medium cobble content. Gravel is angular, fine to coarse of clinker and rare sandstone. Cobbles are angular to subangular of slag, clinker and rare brick. (VO = 0,0)	(0.60)		
1.50	ES 2		2 Yellowish brown slightly gravelly silty fine SAND with low cobble content. Gravel is angular to subangular, fine to coarse (predominantly fine to medium) of sandstone. Cobbles are angular to subrounded of sandstone. (VO = 0,0)	0.60 (1.20)		
2.50	ES 3		3 Brownish grey to greyish brown gravelly silty fine to coarse SAND with medium cobble content and low boulder content. Gravel is angular to subangular, fine to coarse of sandstone. Cobbles are tabular of sandstone. Boulders are angular to subangular tabular of sandstone. (VO = 0,1)	1.80 (1.00)		
			EXPLORATORY HOLE ENDS AT 2.80 m	2.80		

Trial Pit Log

Logged CP Checked AJ		Start 06/10/2014 End 06/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 2.60m Terminated on bedrock.	Dimensions and Orientation Width 1.50 m Length 4.40 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata	Depth, Level/ (Thickness) Legend Backfill/ Instruments		
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (MADE GROUND) Brown gravelly silty fine to coarse (predominantly fine to medium) SAND with high cobble content and abundant lenses/pockets of dark grey and black gravelly sand of ash and clinker and occasional pockets of yellowish brown sandy silt. Gravel is angular to subangular, fine to coarse of sandstone, brick, clinker and tile. Cobbles are angular to subangular of tile and sandstone. (VO = 0,0)	(1.40)		
1.50	ES 2		2 Brownish grey stained grey gravelly silty fine to coarse (predominantly fine to medium) SAND with high cobble content and low boulder content. Gravel is angular to subangular, fine to coarse of sandstone. Cobbles are tabular of sandstone. Boulders are subangular tabular of sandstone. Oily sheen on some boulders with visible free product. (VO = 4,2)	1.40 (1.20)		
2.50	ES 3			2.60		
			EXPLORATORY HOLE ENDS AT 2.60 m			
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Rain		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW417 Sheet 1 of 1		

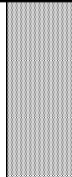
Trial Pit Log

Logged CP Checked AJ		Start 06/10/2014 End 06/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 2.90m Unable to progress through cobbles and boulders.	Dimensions and Orientation Width 1.50 m Length 4.40 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (MADE GROUND) Dark grey to black gravelly fine to coarse SAND with low cobble content and with abundant pockets of yellowish brown and orangish brown silty fine sand and sandy silt. Gravel is angular, fine to coarse of clinker, brick, sandstone and coal. Cobbles are angular to subrounded of sandstone and brick. Rare rootlets. (VO = 0,0)	0.60		
1.50	ES 2		2 Mottled greyish brown, yellowish brown and orangish brown gravelly silty fine to coarse SAND with low cobble content and low boulder content. Gravel is angular to subrounded, fine to coarse of sandstone. Cobbles are subangular of sandstone. Boulders are subangular of sandstone. (VO = 0,0)	1.70		
2.50	ES 3		3 Brownish grey slightly silty gravelly fine to coarse (predominantly fine to medium) SAND with high cobble content and low boulder content. Gravel is angular to subangular, fine to coarse of sandstone. Cobbles are subangular to subrounded of sandstone. Boulders are subangular to subrounded of sandstone. (VO = 0,1)	2.90		
			EXPLORATORY HOLE ENDS AT 2.90 m			
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Showers, overcast, cool		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4809/02/2015 15:02:59			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW418 Sheet 1 of 1		

Logged CP Checked AJ		Start 06/10/2014 End 06/10/2014		Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 4m Terminated on bedrock.		Dimensions and Orientation Width 1.50 m Length 5.00 m A B C D ➔		Ground Level Coordinates National Grid Chainage		
Samples and Tests			Strata							
Depth	Type & No.	Date Records	Description					Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (MADE GROUND) Greyish brown locally dark greyish brown gravelly silty fine to coarse (predominantly fine) SAND with medium cobble content and low boulder content. Gravel is angular to subangular, fine to coarse of sandstone, brick, concrete, tiles and mortar. Cobbles are subangular of sandstone and brick. Boulders are subangular of sandstone. Abundant roots and rootlets. Occasional wood fragments. Occasional scrap iron fragments. (VO = 0,0)					0.00-1.60 m Brick wall underlain by concrete slab in corner BC (SE corner).		
1.50	ES 2							1.90		
2.50	ES 3		2 Greyish brown slightly silty gravelly fine to coarse (predominantly fine to medium) SAND with high cobble content and low boulder content. Gravel is angular to subangular, fine to coarse of sandstone. Cobbles are predominantly tabular of sandstone. Boulders are subangular of sandstone. (VO = 1,2)					(2.10)		
3.50	ES 4							4.00		
4.50	ES 5		3 Greyish brown stained dark grey slightly silty gravelly fine to medium SAND with high cobble content and low boulder content. Gravel is angular to subangular, fine to coarse of sandstone. Cobbles are tabular of sandstone. Boulders are tabular of sandstone. Visible free product in soil with very strong odour. (VO = 4,4)					(0.80)		
			EXPLORATORY HOLE ENDS AT 4.80 m					4.80		
Depth	Type & No.	Records Date								
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)					Stability Stable Shoring None Weather Windy,cool,		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4809/02/2015 15:03:02 AGS			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited					Trial Pit NSW419 Sheet 1 of 1		

Trial Pit Log

Logged NK Checked AP		Start 24/11/2014 End 24/11/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 4.4m Terminated on bedrock.	Dimensions and Orientation Width 1.00 m Length 4.00 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata	Depth, Level/ (Thickness) Legend Backfill/ Instruments		
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (MADE GROUND) Light brown slightly sandy gravelly SILT with medium cobble content. Sand is fine. Gravel is subangular to subrounded, fine to coarse of sandstone, brick, clinker and concrete. Cobbles are subangular to subrounded of sandstone and brick. Occasional rootlets. Localised heavy staining. (VO = 3,3)	(1.30)		
1.50	ES 2		2 (MADE GROUND) Brown silty gravelly fine to coarse SAND with medium cobble content. Gravel is subangular to subrounded, fine to coarse of sandstone and brick. Cobbles are subangular to subrounded occasionally tabular of sandstone. (VO = 2,2)	1.30		
2.50	ES 3					
3.50	ES 4			(3.10)		
			EXPLORATORY HOLE ENDS AT 4.40 m	4.40		
			4.40 m Bedrock			
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Sunny		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4816/01/2015 14:41:50			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW42 Sheet 1 of 1		

Logged NK Checked AJ		Start 07/10/2014 End 07/10/2014		Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 4m Terminated on bedrock.		Dimensions and Orientation Width 1.00 m Length 5.00 m A B C D E		Ground Level Coordinates National Grid Chainage		-	-	-
Samples and Tests			Strata									
Depth	Type & No.	Date Records	Description						Depth, Level/ (Thickness)	Legend	Backfill/ Instruments	
0.50	ES 1		1 (MADE GROUND) Orangish brown slightly sandy gravelly SILT. Sand is fine to medium. Gravel is subangular to subrounded, fine to coarse of mixed lithologies including sandstone, clinker, wood, ash and brick. Frequent gravel sized sand pockets. Occasional rootlets. (VO = 0,1)						(0.60)			
			3 (MADE GROUND) Light brown slightly silty sandy subangular to subrounded, fine to coarse GRAVEL of mixed lithologies including sandstone, brick and concrete with low cobble content. Sand is fine to coarse. Cobbles are subangular to subrounded of sandstone. Occasional gravel sized pockets of sand. Rare rootlets. (VO = 1,2)						0.60			
1.50	ES 2								(1.20)			
2.50	ES 3		4 (MADE GROUND) Greyish brown slightly silty gravelly fine to coarse SAND with low cobble content. Gravel is subangular to subrounded, fine to coarse of mixed lithologies including sandstone and clinker. Cobbles are subangular to subrounded of sandstone. Frequent gravel sized pockets of black and brown sand. (VO = 1,0)						1.80			
									(2.20)			
3.50	ES 4											
												
			EXPLORATORY HOLE ENDS AT 4.00 m						4.00			
		</										

Logged NK Checked AJ		Start 07/10/2014 End 07/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 4.6m Terminated on bedrock.		Dimensions and Orientation Width 1.00 m Length 4.00 m A B C D B →		Ground Level Coordinates National Grid Chainage		- - -
Samples and Tests			Strata						
Depth	Type & No.	Date Records	Description			Depth, Level/ (Thickness)	Legend	Backfill/ Instruments	
0.50	ES 1		1 (MADE GROUND) Light brown slightly silty gravelly fine to medium SAND with low cobble content. Gravel is subangular to subrounded, fine to coarse of sandstone, brick and clinker. Cobbles are subangular to subrounded of sandstone and brick. Frequent plastic fragments. (VO = 0,1)						
1.50	ES 2					(3.10)			
2.50	ES 3								
3.50	ES 4		2 (MADE GROUND) Greyish brown silty gravelly fine to coarse SAND with low cobble content. Gravel is subangular to subrounded, fine to coarse of mixed lithologies including sandstone, concrete and brick. Cobbles are subangular to subrounded of sandstone. Rare gravel sized pockets of orangish brown medium sand. (VO = 1,0)			3.10			
4.50	ES 5					(1.50)			
			EXPLORATORY HOLE ENDS AT 4.60 m			4.60			
Depth	Type & No.	Records Date							
Groundwater Entries No. Struck Post Strike Behaviour (m)			Depth Related Remarks * From to (m)			Stability Stable Shoring None Weather Cloudy			
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4829/01/2015 13:24:44			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited			Trial Pit NSW421 Sheet 1 of 1			

Trial Pit Log

Logged JC Checked AJ		Start 07/10/2014 End 07/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 3.30m Unable to progress through cobbles.	Dimensions and Orientation Width 1.70 m Length 4.20 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata	Depth, Level/ (Thickness) Legend Backfill/ Instruments		
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 Brown occasionally stained grey silty slightly gravelly, fine to coarse SAND with low cobble content. Gravel is angular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded, fine to coarse of sandstone. (VO = 1,0)	(0.90)		
1.50	ES 2		2 Light grey frequently stained grey slightly silty SAND and GRAVEL with low to medium cobble content. Sand is fine to coarse. Gravel is angular to subrounded, fine to coarse of sandstone. Cobbles are angular to subangular of sandstone. Strong hydrocarbon odour. (VO = 2,3)	0.90		
2.50	ES 3			(2.40)		
			EXPLORATORY HOLE ENDS AT 3.30 m	3.30		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Sunny,windy		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4829/01/2015 13.24.47			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW422 Sheet 1 of 1		

Trial Pit Log

Logged JC Checked AJ		Start 07/10/2014 End 07/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 3.10m Unable to progress through cobbles.	Dimensions and Orientation Width 1.60 m Length 4.00 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata	Depth, Level/ (Thickness) Legend Backfill/ Instruments		
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 Greyish brown occasionally stained dark grey slightly silty locally silty gravelly, fine to coarse SAND with low cobble content. Gravel is angular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded of sandstone. Faint hydrocarbon odour. (VO = 1,1)	(1.00)		
1.50	ES 2		2 Grey frequently stained grey slightly silty gravelly, fine to coarse SAND with low to medium cobble content. Gravel is subangular to subrounded, fine to coarse of sandstone. Cobbles are angular to subangular of sandstone. Strong hydrocarbon odour. (VO = 2,3)	1.00		
2.50	ES 3			(2.10)		
			EXPLORATORY HOLE ENDS AT 3.10 m	3.10		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)	Stability Slight collapse throughout Shoring None Weather Sunnyn,windy		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4829/01/2015 13:24:50			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW423 Sheet 1 of 1		

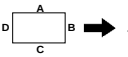
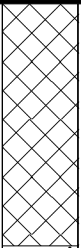
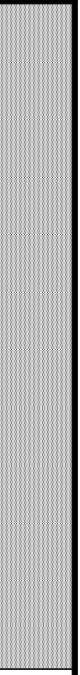
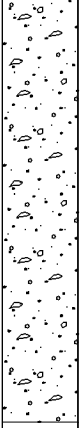
Logged JC Checked AJ		Start 06/10/2014 End 06/10/2014		Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 1.30m Terminated due to surface water.		Dimensions and Orientation Width 1.50 m Length 4.00 m A B C D B →		Ground Level Coordinates National Grid Chainage		
Samples and Tests			Strata							
Depth	Type & No.	Date Records	Description					Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.60	ES 1		1 Brownish light grey frequently stained dark grey slightly silty locally silty gravelly, fine to coarse SAND with low to medium cobble content. Gravel is angular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded of sandstone. Strong hydrocarbon odour. (VO = 2,3)					(1.30)		
			EXPLORATORY HOLE ENDS AT 1.30 m					1.30		
Depth	Type & No.	Records Date								
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)					Stability Collapse throughout Shoring None Weather Cloudy,windy		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4829/01/2015 13:24:54 			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited					Trial Pit NSW424 Sheet 1 of 1		

Trial Pit Log



Logged JC Checked AJ		Start 06/10/2014 End 06/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 1.40m Terminated due to collapse.	Dimensions and Orientation Width 1.60 m Length 3.50 m A B C D B →		Ground Level Coordinates National Grid Chainage		- - -
Samples and Tests			Strata					
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments		
0.70	ES 1		1 Brown frequently stained grey slightly silty gravelly, fine to coarse SAND with low to medium cobble content. Gravel is angular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded of sandstone. Distinct hydrocarbon odour. (VO = 2,2)	(1.40)				
EXPLORATORY HOLE ENDS AT 1.40 m				1.40				
Depth	Type & No.	Records Date						
Groundwater Entries No. Struck Post Strike Behaviour (m)			Depth Related Remarks * From to (m)			Stability Face A collapsed from GL to 1.10m Shoring None Weather Cloudy,windy		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4829/01/2015 13:24:57 AGS			Project Coed Darcy Site-wide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited			Trial Pit NSW425 Sheet 1 of 1		

Trial Pit Log

Logged JC Checked AJ		Start 06/10/2014 End 06/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 2.20m Terminated as no progress through cobbles.	Dimensions and Orientation Width 1.60 m Length 4.10 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata	Depth, Level/ (Thickness) Legend Backfill/ Instruments		
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (MADE GROUND) Brown occasionally stained grey slightly silty SAND and GRAVEL with low to medium cobble content. Sand is fine to coarse. Gravel is angular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded of sandstone, concrete and occasional brick. Faint hydrocarbon odour. (VO = 1,6)	(0.80)		
1.50	ES 2		2 Light grey frequently stained grey slightly silty gravelly, fine to coarse SAND with low to medium cobble content. Gravel is subangular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded of sandstone. Strong hydrocarbon odour. (VO = 2,3)	(1.40)		
			EXPLORATORY HOLE ENDS AT 2.20 m	2.20		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)	Stability Slight collapse throughout Shoring None Weather Cloudy,windy		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4829/01/2015 13:25:00 			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW426 Sheet 1 of 1		

Trial Pit Log

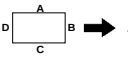
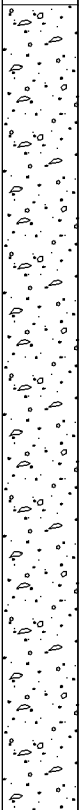
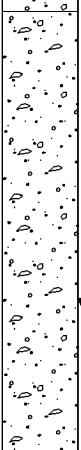
Logged JC Checked AJ		Start 06/10/2014 End 06/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 3.40m Terminated as no progress through cobbles.	Dimensions and Orientation Width 1.70 m Length 4.30 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata	Depth, Level/ (Thickness) Legend Backfill/ Instruments		
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (MADE GROUND) Brown occasionally stained dark grey silty locally silty slightly gravelly, fine to coarse (predominantly fine to medium) SAND with occasional cobbles. Gravel is angular to subrounded of sandstone. Cobbles are subangular to subrounded of sandstone and brick.	(1.30)		
1.50	ES 2		2 Light grey occasionally stained grey slightly silty gravelly, fine to coarse SAND with low to medium cobble content. Gravel is subangular to subrounded of sandstone. Cobbles are subangular to subrounded of sandstone. Strong hydrocarbon odour. (VO = 1,3)	1.30		
2.50	ES 3			(2.10)		
			EXPLORATORY HOLE ENDS AT 3.40 m	3.40		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour 1 1.30 Slight seepage with oily sheen on water surface.			Depth Related Remarks * From to (m)	Stability Collapse throughout Shoring None Weather Cloudy,windy		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25			Project Coed Darcy Site-wide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW427 Sheet 1 of 1		

Trial Pit Log

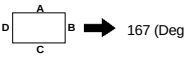
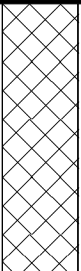
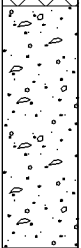
Logged JC Checked AJ		Start 06/10/2014 End 06/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 1.80m Terminated as no progress through cobbles.	Dimensions and Orientation Width 1.40 m Length 3.60 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (MADE GROUND) Brown occasionally stained grey slightly silty SAND and GRAVEL with low to medium cobble content. Sand is fine to coarse. Gravel is angular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded of sandstone and brick. Faint hydrocarbon odour. (VO = 1,1)	(0.80)		
1.50	ES 2		2 Brownish light grey frequently stained dark grey slightly silty gravelly, fine to coarse SAND with low to medium cobble content. Gravel is angular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded of sandstone. Faint hydrocarbon odour. (VO = 2,1)	(1.00)		
			EXPLORATORY HOLE ENDS AT 1.80 m	1.80		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Cloudy,windy		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW428 Sheet 1 of 1		

Logged SP Checked AP	Start 25/11/2014 End 25/11/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 4.5m Terminated at maximum reach of excavator.	Dimensions and Orientation Width 1.50 m Length 3.00 m A B C D B →	Ground Level Coordinates National Grid Chainage	- - -	
Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
		*	1 Dark orangish brown very clayey slightly gravelly, fine to coarse SAND with low cobble content. Gravel is subangular to well rounded, fine to coarse of sandstone. Cobbles are subangular to well rounded of sandstone. (VO = 0,0)	(0.50)		
			2 Grey occasionally stained black clayey gravelly, fine to coarse SAND with low cobble content. Gravel is subangular to well rounded, fine to coarse of sandstone. Cobbles are subangular to well rounded of sandstone. (VO = 3,2)	0.50		
				(4.00)		

Trial Pit Log

Logged AW Checked AP	Start 27/10/2014 End 27/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 4.5m Terminated on bedrock.	Dimensions and Orientation Width 1.30 m Length 6.00 m 	Ground Level - Coordinates - National Grid - Chainage -		
Samples and Tests			Strata	Depth, Level, (Thickness), Legend, Backfill/ Instruments		
Depth	Type & No.	Date Records	Description	Depth, Level, (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (TOPSOIL) Brown slightly clayey fine to coarse SAND with frequent roots. (VO = 0,0)	(0.30)		
1.50	ES 2		2 Brown slightly silty gravelly fine to coarse SAND. Gravel is subangular to subrounded, fine to coarse of sandstone. (VO = 0,0)	0.30 (2.70)		
2.50	ES 3					
3.50	ES 4		3 Grey slightly silty gravelly fine to coarse SAND. Gravel is subangular to subrounded, fine to coarse of sandstone. (VO = 1,2)	3.00 (1.50)		
			EXPLORATORY HOLE ENDS AT 4.50 m	4.50		
			4.50 m Sandstone bedrock.			
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour 1 4.00 Oozing			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Drizzle		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW43 Sheet 1 of 1		

Trial Pit Log

Logged JC Checked AJ		Start 06/10/2014 End 06/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 1.70m Terminated due to broken water pipe. Water pipe at 1.50m.	Dimensions and Orientation Width 1.50 m Length 3.70 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No.	Date Records	Description			
0.50	ES 1		1 (MADE GROUND) Brown occasionally stained grey slightly silty SAND and GRAVEL with low to medium cobble content. Sand is fine to coarse. Gravel is angular to subrounded, fine to coarse of sandstone and glass. Cobbles are subangular to subrounded of sandstone and brick. (VO = 1,0)	(0.90)		
			0.80 m Wood and metal bars.	0.90		
1.50	ES 2		2 Orangish light brown frequently stained grey slightly silty gravelly, fine to coarse SAND with low cobble content. Gravel is angular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded of sandstone. Faint hydrocarbon odour. (VO = 4,1)	(0.80)		
			EXPLORATORY HOLE ENDS AT 1.70 m	1.70		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)	Stability Collapse throughout. Shoring None Weather Cloudy,rain,windy		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4829/01/2015 13:25:12 			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW430 Sheet 1 of 1		

Logged NK Checked AP	Start 08/10/2014 End 08/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 1.00m. Terminated due to collapse.	Dimensions and Orientation Width 1.00 m Length 5.00 m		Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
		*	1 (MADE GROUND) Soft dark brown sandy gravelly SILT with medium cobble content. Sand is fine to coarse. Gravel is subangular to subrounded fine to coarse of sandstone concrete and brick. Cobbles are subangular to subrounded of sandstone, concrete and brick. (VO = 0,0)	(1.00)		
			EXPLORATORY HOLE ENDS AT 1.00 m	1.00		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m) 0.00 1.00 No samples obtained.		Stability Unstable Shoring None Weather Heavy rain	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4805/03/2015 15:12:59 			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit NSW431 Sheet 1 of 1	

Trial Pit Log

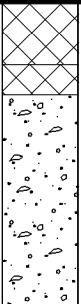
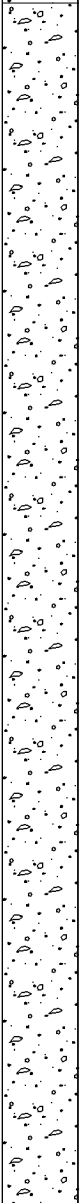
Logged NK Checked AJ		Start 08/10/2014 End 08/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GI to 4.9m Terminated on bedrock.	Dimensions and Orientation Width 1.00 m Length 4.00 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata	Depth, Level/ (Thickness) Legend Backfill/ Instruments		
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (MADE GROUND) Orangish brown sandy slightly gravelly SILT. Sand is fine to coarse. Gravel is subangular to subrounded, fine to coarse of sandstone, brick, plastic and wood. Occasional rootlets. (VO = 0,0)	(0.90)		
1.50	ES 2		2 (MADE GROUND) Light brown slightly silty gravelly fine to coarse SAND with low cobble content. Gravel is subangular to subrounded, fine to coarse consisting of mixed lithologies including sandstone, concrete and brick. Cobbles are subangular to subrounded, occasionally tabular of sandstone. Occasional gravel sized pockets of orange fine to medium sand. (VO = 0,0)	0.90 (0.90)		
2.50	ES 3		3 (MADE GROUND) Greyish brown slightly silty gravelly fine to coarse SAND with occasional cobbles. Gravel is subangular to subrounded, fine to coarse consisting of sandstone and clinker. Cobbles are subangular to subrounded of sandstone. (VO = 1,2)	1.80 (1.60)		
3.50	ES 4		4 (MADE GROUND) Black sandy slightly gravelly SILT. Sand is fine to medium. Gravel is subangular to subrounded, fine to coarse of sandstone and clinker. (VO = 3,2)	3.40 3.50		
4.50	ES 5		5 (MADE GROUND) Greyish brown slightly silty gravelly fine to coarse SAND with low cobble content. Sand is fine to coarse. Gravel is subangular to subrounded, fine to coarse of sandstone, clinker and brick. Cobbles are subangular to subrounded, fine to coarse of orange clay. Rare gravel sized pockets of orange clay. (VO = 1,2)	(1.40)		
			EXPLORATORY HOLE ENDS AT 4.90 m	4.90		
			4.90 m Bedrock.			
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m)			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Cloudy		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW432 Sheet 1 of 1		

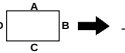
Trial Pit Log

Logged NK Checked AJ		Start 08/10/2014 End 08/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 4.8m Terminated on bedrock.	Dimensions and Orientation Width 1.00 m Length 4.00 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata	Depth, Level/ (Thickness) Legend Backfill/ Instruments		
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (MADE GROUND) Mainly dark brown silty slightly sandy subangular to subrounded, fine to coarse GRAVEL of mixed lithologies including sandstone, brick, clinker and wood with high cobble content. Sand is fine to coarse. Cobbles are subangular to subrounded, predominately tabular of sandstone and brick. Occasional gravel sized pockets of orangish brown medium sand. Occasional rootlets. (VO = 0,0)	(0.70)		
1.50	ES 2		2 (MADE GROUND) Orangish brown sandy slightly gravelly SILT with low cobble content. Sand is medium to coarse. Gravel is subangular to subrounded, fine to coarse of mixed lithologies including sandstone. Cobbles are subangular to subrounded of sandstone. Occasional gravel sized pockets of orange clay. (VO = 0,0)	0.70 (1.10)		
2.50	ES 3		3 (MADE GROUND) Greyish brown slightly silty gravelly fine to coarse SAND with low cobble content. Gravel is subangular to subrounded, fine to coarse of sandstone and brick. Cobbles are subangular to subrounded, occasionally tabular of sandstone. Rare gravel sized pockets of orange medium sand. (VO = 1,2)	1.80		
3.50	ES 4			(3.00)		
4.50	ES 5					
			EXPLORATORY HOLE ENDS AT 4.80 m	4.80		
Groundwater Entries No. Struck Post Strike Behaviour (m) 1 1.50 Seepage from A and C side. Pouring out of A side.			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Cloudy		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW433 Sheet 1 of 1		

Logged AW	Start 13/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 4.0m Terminated on bedrock.	Dimensions and Orientation Width 1.00 m Length 6.00 m		Ground Level Coordinates National Grid Chainage	
Checked AP	End 13/10/2014		A B C D			
Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level (Thickness)	Legend	Backfill/ Instrument
0.50	ES 1		1 Greyish brown slightly silty gravelly, fine to coarse SAND. Gravel is angular to subrounded of sandstone. Frequent sandstone cobbles. (VO = 0,2)	(1.00)		
1.50	ES 2		2 Grey slightly silty gravelly, fine to coarse SAND with medium cobble content. Gravel is angular to subrounded of sandstone. Cobbles are angular to subangular of sandstone. (VO = 2,2)	1.00		
2.50	ES 3			(3.00)		
3.50	ES 4					
			EXPLORATORY HOLE ENDS AT 4.00 m	4.00		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)			Stability Shoring Weather Dry
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4813/01/2015 09:23:58			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited			Trial Pit NSW435 Sheet 1 of 1

Trial Pit Log

Logged AW Checked AP		Start 15/10/2014 End 15/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 5.0m Terminated at maximum reach of excavator.	Dimensions and Orientation Width 1.00 m Length 6.00 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (MADE GROUND) Blue and green coarse SAND of crushed glass. (VO = 0,0) . 2 (MADE GROUND) Grey FILL . (VO = 0,0)	0.20 0.30 (0.70)		
1.50	ES 2		3 Orangish brown slightly silty gravelly, fine to coarse SAND. Gravel is subangular to subrounded, fine to coarse of sandstone. (VO = 1,1)	1.00		
2.50	ES 3		4 Greyish brown (becoming grey with depth) slightly silty gravelly, fine to coarse SAND with occasional cobbles. Gravel is subangular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded of sandstone. (VO = 1,1) becoming (VO = 3,2) from 3.5m depth.	(4.00)		
3.50	ES 4					
4.50	ES 5					
Depth	Type & No.	Records Date	EXPLORATORY HOLE ENDS AT 5.00 m			
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)		Stability Some collapse Shoring None Weather Drizzle	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4815/01/2015 15:31:18 			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit NSW436 Sheet 1 of 1	

Logged A/W Checked AP		Start 15/10/2014 End 15/10/2014		Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 1.0m Terminated on concrete slab.		Dimensions and Orientation Width 1.30 m Length 6.00 m 		Ground Level Coordinates National Grid Chainage - - -		
Samples and Tests			Strata							
Depth	Type & No.	Date Records	Description					Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
		*	1 (MADE GROUND) Blue and green coarse SAND of crushed glass. (VO = 0,0) 2 (MADE GROUND) Grey slightly silty sandy angular to subangular, fine to coarse GRAVEL of brick, sandstone and concrete. Sand is fine to coarse. Cobbles are subangular to subrounded of sandstone. Frequent roots. (VO = 1,2) EXPLORATORY HOLE ENDS AT 1.00 m					0.20 (0.80) 1.00	 	
Depth	Type & No.	Records Date								
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m) 0.00 1.00 No Samples Obtained.					Stability Stable Shoring None Weather Drizzle,rain		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4815/01/2015 15.31.20			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited					Trial Pit NSW437 Sheet 1 of 1		

Trial Pit Log



Logged JC Checked AP		Start 03/10/2014 End 03/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 1.80m Terminated on bedrock.	Dimensions and Orientation Width 1.50 m Length 3.80 m A B C D	Ground Level Coordinates National Grid Chainage		
Samples and Tests			Strata				
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments	
0.50	ES 1		1 Brown frequently stained grey silty SAND and GRAVEL with medium cobble content. Sand is fine to coarse. Gravel is angular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded of sandstone. Distinct hydrocarbon odour. (VO = 2,2)	(1.30)			
1.50	ES 2		2 Light grey occasionally heavily stained dark grey slightly silty SAND and GRAVEL with low to medium cobble content. Sand is fine to coarse. Gravel is subangular to subrounded, fine to coarse of sandstone. Cobbles are angular to subangular of sandstone. Strong hydrocarbon odour. (VO = 3,3)	1.30 (0.50)			
			EXPLORATORY HOLE ENDS AT 1.80 m	1.80			
			1.80 m Bedrock				
Depth	Type & No.	Records Date					
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)		Stability Stable Shoring None Weather Cloudy,windy		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. (c) ESG www.esg.co.uk 426.4818/02/2015 14:01:59			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit NSW438 Sheet 1 of 1		

Trial Pit Log



Logged JC Checked AP		Start 03/10/2014 End 03/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 0.60m Terminated on concrete.	Dimensions and Orientation Width 1.60 m Length 3.80 m A B C D	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
		*	1 Brown sandy angular to subrounded, fine to coarse GRAVEL with medium cobble content. Cobbles are subangular to subrounded of sandstone. Sand is fine to coarse. (VO = 0,0)	(0.60)		
			EXPLORATORY HOLE ENDS AT 0.60 m	0.60		
			0.60 m Concrete.			
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m) 0.00 No Samples Obtained.		Stability Stable Shoring None Weather Cloudy,windy	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. (c) ESG www.esg.co.uk 426.4818/02/2015 14:02:02			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit NSW439 Sheet 1 of 1	

Trial Pit Log



Logged AW Checked AP		Start 27/10/2014 End 27/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 4.5m Terminated at maximum reach of excavator.	Dimensions and Orientation Width 1.30 m Length 6.00 m A B C D		Ground Level Coordinates National Grid Chainage		- - -
Samples and Tests			Strata					
Depth	Type & No.	Date Records	Description			Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 Brown slightly clayey fine to coarse SAND. Frequent roots. (TOPSOIL)			0.20		
1.50	ES 2		2 Brown slightly silty gravelly fine to coarse SAND. Gravel is subangular to subrounded, fine to coarse of sandstone. (VO = 0,0),			(1.80)		
2.50	ES 3		3 Grey slightly silty gravelly fine to coarse SAND. Gravel is subangular to subrounded, fine to coarse of sandstone. (VO = 1,1)			2.00		
3.50	ES 4					(2.50)		
4.50	ES 5		EXPLORATORY HOLE ENDS AT 4.50 m			4.50		
Depth	Type & No.	Records Date						
Groundwater Entries No. Struck Post Strike Behaviour (m)			Depth Related Remarks * From to (m)			Stability Stable Shoring None Weather Drizzle		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4809/02/2015 14:58:12 AGS			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited			Trial Pit NSW44 Sheet 1 of 1		

Trial Pit Log

Logged JC Checked AP		Start 03/10/2014 End 03/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 2.30m Unable to progress through cobbles.	Dimensions and Orientation Width 1.50 m Length 3.90 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 Brown occasionally stained grey slightly silty gravelly, fine to coarse SAND with low cobble content. Gravel is angular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded of sandstone. Faint hydrocarbon odour. (VO = 1,1)	(1.10)		
1.50	ES 2		2 Light grey occasionally heavily stained dark grey slightly silty SAND and GRAVEL with low to medium cobble content. Sand is fine to coarse. Gravel is angular to subrounded, fine to coarse of sandstone. Cobbles are angular to subangular of sandstone. Strong hydrocarbon odour. (VO = 3,3)	1.10 (1.20)		
			EXPLORATORY HOLE ENDS AT 2.30 m	2.30		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Cloudy,windy		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4818/02/2015 14:02:08			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW440 Sheet 1 of 1		

Trial Pit Log

Logged JC Checked AP		Start 03/10/2014 End 03/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 1.70m Terminated on bedrock.	Dimensions and Orientation Width 1.40 m Length 3.70 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No.	Date Records	Description			
0.50	ES 1		1 (MADE GROUND) Brown frequently stained dark grey silty locally silty SAND and GRAVEL with low cobble content. Sand is fine to coarse. Gravel is angular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded of sandstone and occasional brick. Distinct hydrocarbon odour. (VO = 2,2)	(1.10)		
1.50	ES 2		2 Grey heavily stained dark grey with black cobble sized pockets of free product silty SAND and GRAVEL with low cobble content. Sand is fine to coarse. Gravel is angular to subrounded, fine to coarse of sandstone. Cobbles are angular to subangular of sandstone. Strong hydrocarbon odour. (VO = 5,3)	1.10 (0.60)		
			EXPLORATORY HOLE ENDS AT 1.70 m 1.70 m Bedrock	1.70		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Cloudy,windy		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4818/02/2015 14:02:16			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW441 Sheet 1 of 1		

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Trial Pit Log

Logged JC Checked AP		Start 03/10/2014 End 03/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 1.70m Unable to progress through cobbles.	Dimensions and Orientation Width 1.50 m Length 3.70 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No.	Date Records	Description			
0.50	ES 1		1 Brown slightly silty sandy angular to subrounded, fine to coarse GRAVEL of sandstone with medium cobble content. Sand is fine to coarse. Cobbles are subangular to subrounded of sandstone. Faint hydrocarbon odour. (VO = 0,1)	(0.90)		
1.50	ES 2		2 Light grey heavily stained dark grey slightly silty SAND and GRAVEL with low to medium cobble content. Sand is fine to coarse. Gravel is angular to subrounded, fine to coarse of sandstone. Cobbles are angular to subangular of sandstone. Strong hydrocarbon odour. (VO = 4,3)	0.90 (0.80)		
EXPLORATORY HOLE ENDS AT 1.70 m				1.70		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Cloudy,windy		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4818/02/2015 14:02:20			Project Coed Darcy Site-wide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW443 Sheet 1 of 1		

[illegible]

Logged JC Checked AJ	Start 06/10/2014 End 06/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 2.70m Terminated as no progress through possible rock.	Dimensions and Orientation Width 1.40 m Length 3.90 m A D C B →		Ground Level Coordinates National Grid Chainage	- - -
Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (MADE GROUND) Light brown and black slightly silty SAND and GRAVEL with low to medium cobble content. Sand is fine to coarse of ash. Gravel is angular to subrounded, fine to coarse of sandstone and clinker. Cobbles are subangular to subrounded of sandstone and clinker. (VO = 1,0)	(1.20)		
1.50	ES 2		2 Greyish light brown slightly silty gravelly, fine to coarse SAND with low cobble content. Gravel is angular to subrounded, fine to coarse of sandstone. Cobbles are angular to subangular of sandstone. Distinct hydrocarbon odour. (VO = 0,2)	1.20 (1.50)		
2.50	ES 3					
			EXPLORATORY HOLE ENDS AT 2.70 m	2.70		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)			Stability Slight collapse throughout Shoring None Weather Cloudy,windy
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4829/01/2015 13:25:18 			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited			Trial Pit NSW445 Sheet 1 of 1

Trial Pit Log

Logged JC Checked AJ		Start 06/10/2014 End 06/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 3.20m Terminated as no progress through cobbles.	Dimensions and Orientation Width 1.50 m Length 3.70 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No.	Date Records	Description			
0.50	ES 1		1 (MADE GROUND) Brown and black occasionally stained grey slightly silty SAND and GRAVEL with low cobble content. Sand is fine to coarse. Gravel is angular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded of sandstone and brick. Faint hydrocarbon odour. (VO = 1,1)	(1.00)		
1.50	ES 2		2 Greyish light brown slightly silty gravelly, fine to coarse SAND with low to medium cobble content. Gravel is angular to subrounded of sandstone. Cobbles are subangular to subrounded of sandstone. Distinct hydrocarbon odour. (VO = 0,2)	1.00		
2.50	ES 3			(2.20)		
			EXPLORATORY HOLE ENDS AT 3.20 m	3.20		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)	Stability Slight collapse throughout Shoring None Weather Cloudy,windy		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4829/01/2015 13:25:21			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW446 Sheet 1 of 1		

Trial Pit Log

Logged KH Checked AP		Start 03/10/2014 End 03/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 4.79m Terminated at maximum reach of excavator.	Dimensions and Orientation Width 0.90 m Length 3.10 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata	Depth, Level, (Thickness), Legend, Backfill/ Instruments		
Depth	Type & No.	Date Records	Description	Depth, Level, (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (MADE GROUND) Black mottled grey slightly clayey slightly gravelly, fine to coarse SAND. Gravel is subrounded to rounded, fine to coarse of sandstone and glass. Frequent organic material and rootlet.s (VO = 4,1)	(0.71)		
1.50	ES 2		2 Grey slightly gravelly, fine to coarse SAND with low cobble content. Gravel is subangular to subrounded, fine to coarse of sandstone. Cobbles are subangular to rounded of sandstone. (VO = 2,1)	0.71		
2.50	ES 3			(3.43)		
3.50	ES 4					
4.50	ES 5		3 Dark grey slightly sandy angular to subrounded fine to coarse GRAVEL of sandstone with high cobble content. Sand is fine to coarse. Cobbles are subangular to rounded of sandstone. (VO = 0,0)	4.14 (0.65)		
			EXPLORATORY HOLE ENDS AT 4.79 m	4.79		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour 1 4.79 Seepage at base			Depth Related Remarks * From to (m)	Stability Stabl Shoring None Weather Cloudy		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW447 Sheet 1 of 1		

Trial Pit Log



Logged KH Checked AP		Start 03/10/2014 End 03/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 4.63m Terminated at maximum reach of excavator.	Dimensions and Orientation Width 0.90 m Length 3.20 m A B C D		Ground Level Coordinates National Grid Chainage	
Samples and Tests			Strata				
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments	
0.50	ES 1		1 Black slightly sandy angular to subrounded, fine to coarse GRAVEL of sandstone. Sand is medium to coarse. 2 No. subrounded boulders of sandstone. (VO = 5,1)	(0.41)			
			2 Blackish brown slightly clayey fine to coarse SAND. Frequent rootlets and wood fragments. (VO = 2,1)	(0.53)			
1.50	ES 2		3 Grey slightly silty gravelly, fine to coarse SAND with medium cobble content. Gravel is subangular to rounded of sandstone. Cobbles are subangular to rounded of sandstone. (VO = 2,2)	0.94-1.61 m Slightly clayey. Grey mottled black.			
				(3.69)			
2.50	ES 3						
3.50	ES 4						
4.50	ES 5						
			EXPLORATORY HOLE ENDS AT 4.63 m	4.63			
Depth	Type & No.	Records Date					
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)			Stability Stable Shoring None Weather Cloudy	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. (c) ESG www.esg.co.uk 426.4804/02/2015 13:39:16			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited			Trial Pit NSW448 Sheet 1 of 1	

Trial Pit Log

Logged KH Checked AP		Start 03/10/2014 End 03/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 4.71m Terminated at maximum reach of excavator.	Dimensions and Orientation Width 0.90 m Length 3.50 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata	Depth, Level, (Thickness) Legend Backfill/ Instruments		
Depth	Type & No.	Date Records	Description	Depth, Level, (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (MADE GROUND) Brown slightly clayey slightly gravelly, fine to coarse SAND with low cobble content. Gravel is subangular to rounded, fine to coarse of sandstone and brick. Cobbles are angular to subrounded of sandstone. Rare wood and plastic. (VO = 0,0)	(1.78)		
1.50	ES 2			1.78		
2.50	ES 3		2 Grey slightly gravelly, fine to coarse SAND with medium cobble content. Gravel is subangular to rounded, fine to coarse of sandstone. Cobbles are subangular to subrounded of sandstone. (VO = 2,2)	(2.93)		
3.50	ES 4					
4.50	ES 5					
			EXPLORATORY HOLE ENDS AT 4.71 m	4.71		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Cloudy		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25			Project Coed Darcy Site-wide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW449 Sheet 1 of 1		

Trial Pit Log



Logged AW Checked AP		Start 27/10/2014 End 27/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 4.4m Terminated at maximum reach of excavator.	Dimensions and Orientation Width 1.30 m Length 6.00 m A B C D		Ground Level Coordinates National Grid Chainage		- - -
Samples and Tests			Strata					
Depth	Type & No.	Date Records	Description			Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 Brown slightly clayey fine to coarse SAND with frequent roots. (TOPSOIL)			0.20		
1.50	ES 2		2 Brown slightly silty gravelly fine to coarse SAND. Gravel is subangular to subrounded, fine to coarse of sandstone. (VO = 0,0)			(4.20)		
2.50	ES 3							
3.50	ES 4							
			EXPLORATORY HOLE ENDS AT 4.40 m			4.40		
Depth	Type & No.	Records Date						
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)			Stability Stable Shoring None Weather Drizzle		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4809/02/2015 14:58:26			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited			Trial Pit NSW45 Sheet 1 of 1		

Trial Pit Log

Logged KH Checked AP		Start 03/10/2014 End 03/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 2.78m Terminated on bedrock.	Dimensions and Orientation Width 0.90 m Length 3.20 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata	Depth, Level/ (Thickness) Legend Backfill/ Instruments		
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (MADE GROUND) Dark brown slightly gravelly, fine to coarse SAND. Gravel is angular to rounded, fine to coarse of sandstone. 1 No. angular cobble of sandstone. 1 No. subangular boulder of sandstone. Frequent rootlets. (VO = 0,0) 2 (MADE GROUND) Black silty, fine to coarse SAND. Abundant organic material, rootlets and plastic. (VO = 0,0) 3 Brown slightly gravelly, fine to coarse SAND with low cobble content. Gravel is subangular to rounded, fine to coarse of sandstone. Cobbles are subangular to rounded of sandstone. Rare rootlets. (VO = 1,1)	0.25 0.35 (1.29)		
1.50	ES 2		4 Dark grey sandy angular to subrounded, fine to coarse GRAVEL of sandstone with high cobble content. Sand is fine to coarse. Cobbles are subangular to subrounded of sandstone. (VO = 2,2)	1.64 (1.14)		
2.50	ES 3					
			EXPLORATORY HOLE ENDS AT 2.78 m 2.78 m Sandstone bedrock.	2.78		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Cloudy		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4904/02/2015 13:39:22			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW450 Sheet 1 of 1		

Trial Pit Log

Logged KH Checked AP		Start 03/10/2014 End 03/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 2.61m Terminated on bedrock.	Dimensions and Orientation Width 0.90 m Length 3.20 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (MADE GROUND) Dark brown slightly clayey slightly gravelly, fine to coarse SAND with low cobble content. Gravel is angular to subrounded, fine to coarse of sandstone and brick. Cobbles are angular to subrounded of sandstone. (VO = 1,1)	(1.21)		
1.50	ES 2		2 Grey to brownish grey slightly gravelly, fine to coarse SAND with low cobble content. Gravel is subrounded to rounded of sandstone. Cobbles are subangular to subrounded of sandstone. (VO = 2,1)	1.21 (0.84)		
2.50	ES 3		3 Dark grey slightly sandy angular to subrounded, fine to coarse GRAVEL of sandstone with high cobble content. Sand is medium to coarse. Cobbles are angular to subrounded of sandstone. (VO = 3,1)	2.05 (0.56)		
			EXPLORATORY HOLE ENDS AT 2.61 m 2.61 m Sandstone bedrock.	2.61		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Cloudy		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4804/02/2015 13:39:25			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW451 Sheet 1 of 1		

Trial Pit Log

PRELIMINARY

Logged CP Checked	Start 06/10/2014 End 06/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 2.4m Terminated on bedrock.	Dimensions and Orientation Width 1.50 m Length 4.40 m 	Ground Level Coordinates National Grid Chainage
Samples and Tests		Strata		
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness) Legend Backfill/ Instruments
0.50	ES 1		1 Greyish brown locally brownish grey gravelly silty SAND with low cobble content. Sand is fine to coarse (predominantly fine). Gravel is angular to subangular, fine to coarse of sandstone and rare brick. Cobbles are angular <90 x 80 x 80mm of sandstone. Rare pockets <100 x 100 x 100mm of dark grey silty sandy. (VO = 0,0)	(0.90)
1.40	ES 2		2 Grey and dark grey slightly gravelly silty SAND with low cobble content with abundant pockets <30 x 20 x 20mm of orangish brown silty sand. Sand is fine to coarse (predominantly fine to medium). Gravel is angular to subrounded, fine to coarse of sandstone. Cobbles are <220 x 210 x 90mm tabular of sandstone. (VO = 2,3)	0.90 (0.60)
2.30	ES 3		3 (MADE GROUND) Greyish brown gravelly silty SAND with medium cobble content and low boulder content. Sand is fine to coarse (predominantly fine to medium). Gravel is angular to subrounded, fine to coarse of sandstone and rare brick. Cobbles are subangular <170 x 160 x 110mm of sandstone. Boulders are subangular to subrounded <240 x 240 x 220mm of sandstone and rare conglomerate. (VO = 0,1)	1.50 (0.70)
			4 Grey and dark grey (stained dark grey to black) slightly silty sandy GRAVEL with high cobble content. Sand is fine to coarse. Gravel is angular, fine to coarse of sandstone. Cobbles are angular to subangular <220 x 190 x 60mm tabular of sandstone. (VO = 3,4)	2.20 2.40
			EXPLORATORY HOLE ENDS AT 2.40 m	
Depth	Type & No.	Records Date		
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Overcast, cool, l.rain
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW452 Sheet 1 of 1

Trial Pit Log

Logged CP Checked AJ		Start 06/10/2014 End 06/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 2.20m Terminated on bedrock.	Dimensions and Orientation Width 1.50 m Length 4.50 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata	Depth, Level, (Thickness), Legend, Backfill/ Instruments		
Depth	Type & No.	Date Records	Description	Depth, Level, (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 Brown to greyish brown gravelly silty fine to coarse (predominantly fine) SAND with medium cobble content and low boulder content. Gravel is angular to subangular, fine to coarse of sandstone. Cobbles are predominantly tabular of sandstone. Boulders are angular and tabular of sandstone. Occasional rootlets. (VO = 0,0)	(1.40)		
1.50	ES 2		2 Greyish brown locally grey gravelly silty fine to coarse (predominantly fine to medium) SAND with medium cobble content and low boulder content. Gravel is subangular to subrounded, fine to coarse of sandstone. Cobbles are predominantly tabular of sandstone. Boulders are subrounded of sandstone. (VO = 0,0)	1.40 (0.80)		
2.20	ES 3		EXPLORATORY HOLE ENDS AT 2.20 m	2.20		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Wet,rainy,overcast		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW453 Sheet 1 of 1		

Trial Pit Log

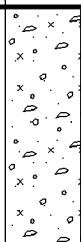
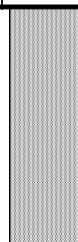


Logged CP Checked AP		Start 03/10/2014 End 03/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 0.60m Terminated on bedrock.	Dimensions and Orientation Width 1.50 m Length 4.00 m 		Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata				
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments	
0.50	ES 1		1 Brown indistinctly mottled greyish brown to yellowish brown slightly silty sandy angular to subangular, fine to coarse GRAVEL of sandstone with high cobble content and medium cobble content. Sand is fine to coarse (predominantly fine to medium). Cobbles are angular to subangular tabular of sandstone. Boulders are angular to subangular tabular of sandstone. (VO = 0,0)	(0.60) 0.60			
			EXPLORATORY HOLE ENDS AT 0.60 m				
Depth	Type & No.	Records Date					
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)		Stability Stable Shoring None Weather Overcast,l.wind,cool		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit NSW454 Sheet 1 of 1		



Logged CP Checked AP	Start 03/10/2014 End 03/10/2014	Equipment, Methods and Remarks Komatsu PC210 machine excavated trial pit from GL to 1.00m Terminated on bedrock.	Dimensions and Orientation Width 1.50 m Length 4.20 m A B C D	Ground Level - Coordinates - National Grid - Chainage -		
Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 Brown to yellowish brown gravelly silty fine to coarse SAND with high cobble content and low boulder content. Gravel is angular to subangular, fine to coarse of sandstone. Cobbles are angular to subangular of sandstone. Boulders are subangular tabular of sandstone. (VO = 0,0)	(0.30)		
			2 Grey to dark grey slightly silty gravelly fine to coarse SAND with high cobble content and low boulder content. Gravel is angular to subangular, fine to coarse of sandstone. Cobbles are angular to subangular tabular of sandstone. Boulders are angular tabular of sandstone. (VO = 1,2)	(0.70)		
			EXPLORATORY HOLE ENDS AT 1.00 m	1.00		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)		Stability Stable Shoring None Weather Overcast,l.wind,cool	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4818/02/2015 14:02:33			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit NSW455 Sheet 1 of 1	

Logged CP Checked	Start 03/10/2014 End 03/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 0.80m Terminated on bedrock.	Dimensions and Orientation Width 1.50 m Length 4.00 m A B C D ➔	Ground Level Coordinates National Grid Chainage	- - -	
Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 Brown to greyish brown gravelly silty SAND with high cobble content and low boulder content. Sand is fine to coarse (predominantly fine). Gravel is angular to subrounded, fine to coarse of sandstone. Cobbles are <240 x 190 x 40mm tabular of sandstone. Boulders are subangular to subrounded <500 x 460 x 440mm of sandstone. (VO = 0,1) 0.70-0.80 m Grey	(0.80)		
			EXPLORATORY HOLE ENDS AT 0.80 m	0.80		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)		Stability Stable Shoring None Weather Overcast,cloudy,windy	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4816/01/2015 14:42:38 			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit NSW456 Sheet 1 of 1	

Logged CP Checked	Start 03/10/2014 End 03/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 0.80m Terminated on bedrock.	Dimensions and Orientation Width 1.50 m Length 5.00 m A B C D B →	Ground Level Coordinates National Grid Chainage	- - -	
Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 Indistinctly mottled greyish brown to brown sandy silty GRAVEL with high cobble content and low boulder content. Sand is fine to coarse (predominantly fine). Gravel is angular to subangular, fine to coarse of sandstone. Cobbles are angular to subangular <220 x 180 x 140mm tabular of sandstone. Boulders are angular to subangular <400 x 400 x 220mm tabular of sandstone. Abundant rootlets. (VO = 0,0)	(0.80)		
			EXPLORATORY HOLE ENDS AT 0.80 m	0.80		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Overcast,windy,		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4816/01/2015 14:42:42 			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW457 Sheet 1 of 1		

Trial Pit Log

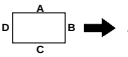
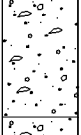
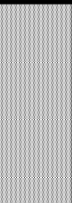
Logged CP Checked AP		Start 03/10/2014 End 03/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 1.60m Terminated on bedrock.	Dimensions and Orientation Width 1.50 m Length 4.00 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (MADE GROUND) Yellowish brown greyish, brown and orangish brown gravelly silty fine to coarse SAND with medium cobble content and occasional pockets of black slightly gravelly silty sand. Gravel is angular to subrounded, fine to coarse of sandstone, brick, tile and concrete. Cobbles are angular to subrounded of sandstone. Occasional roots and rootlets. (VO = 0,0)	(0.80)		
			2 Brownish grey locally grey gravelly silty fine to coarse SAND with high cobble content and medium boulder content. Gravel is angular to subangular, fine to coarse of sandstone. Cobbles are subangular of sandstone. Boulders are angular tabular of sandstone. (VO = 2,2)	0.80 (0.80)		
			EXPLORATORY HOLE ENDS AT 1.60 m 1.60 m Bedrock	1.60		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Overcast, cool.		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4818/02/2015 14:02:48			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW458 Sheet 1 of 1		

Trial Pit Log



Logged NK Checked AJ		Start 07/10/2014 End 07/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 1.0m Terminated on bedrock.	Dimensions and Orientation Width 1.00 m Length 4.00 m A B C D		Ground Level Coordinates National Grid Chainage		- - -
Samples and Tests			Strata					
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments		
0.50	ES 1		1 Dark brown slightly sandy slightly gravelly SILT. Sand is fine to coarse. Gravel is subangular to subrounded, fine to coarse of sandstone. Frequent rootlets. (VO = 0,0)	(0.60)				
1.00	ES 2		2 Dark brown slightly sandy slightly gravelly SILT with low cobble content. Sand is fine to coarse. Gravel is subangular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded, occasionally tabular of sandstone. Frequent rootlets. (VO = 0,0) 1.00 m Bedrock. EXPLORATORY HOLE ENDS AT 1.00 m	0.60 (0.40) 1.00	 			
Depth	Type & No.	Records Date						
Groundwater Entries No. Struck Post Strike Behaviour (m) 1 1.00 Shallow pooling			Depth Related Remarks * From to (m)		Stability Unstable Shoring None Weather Sunny			
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4829/01/2015 13:25:29			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit NSW459 Sheet 1 of 1			

Trial Pit Log

Logged AW Checked AP		Start 27/10/2014 End 27/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 4.4m Terminated on bedrock.	Dimensions and Orientation Width 1.30 m Length 6.00 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 Brown fine to coarse SAND with frequent roots. (TOPSOIL)	0.20		
			2 Orangish brown slightly clayey gravelly fine to coarse SAND with high cobble content. Gravel is subangular to subrounded of sandstone. Cobbles are subangular to subrounded of sandstone. (VO = 0,0)	(0.40)		
			3 Greyish brown slightly silty gravelly fine to coarse SAND with frequent cobbles. Gravel is subangular to subrounded, fine to coarse of sandstone. Cobbles are angular to subangular of sandstone. (VO = 0,0)	0.60		
1.50	ES 2					
2.50	ES 3					
3.50	ES 4					
			EXPLORATORY HOLE ENDS AT 4.40 m	4.40		
			4.40 m Sandstone bedrock.			
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Dry		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW46 Sheet 1 of 1		

Trial Pit Log



Logged JC Checked AJ		Start 07/10/2014 End 07/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 0.60m Unable to progress through cobbles.	Dimensions and Orientation Width 1.50 m Length 3.40 m A B C D B →		Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata				
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments	
0.30	ES 1		1 Brown slightly silty gravelly, fine to coarse SAND with low to medium cobble content. Gravel is angular to subrounded, fine to coarse of sandstone. Cobbles are angular to subangular of sandstone. (VO = 0,0)	(0.60)			
EXPLORATORY HOLE ENDS AT 0.60 m				0.60			
Depth	Type & No.	Records Date					
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)		Stability Stable Shoring None Weather Cloudy,windy,		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit NSW460 Sheet 1 of 1		



Trial Pit Log

Logged CP Checked AP		Start 03/10/2014 End 03/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 1.60m Terminated on bedrock.	Dimensions and Orientation Width 1.50 m Length 4.50 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.30	ES 1		1 (MADE GROUND) Dark grey to black gravelly silty fine to coarse SAND with low cobble content and occasional pockets of brown to yellowish brown sandy silty. Gravel is angular to subangular, fine to coarse of sandstone, brick, concrete, slag, clinker and coal. Cobbles are angular to subangular of sandstone and brick. Abundant fragments of wood and charred wood. (VO = 0,0)	0.40		
1.40	ES 2		2 Greyish brown to brown gravelly silty fine to coarse SAND with high cobble content and medium boulder content. Gravel is angular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded of sandstone. Boulders are angular to subangular of sandstone. (VO = 0,0)	1.20		
			EXPLORATORY HOLE ENDS AT 1.60 m	1.60		
			1.60 m Bedrock			
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Overcast, cool.		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4818/02/2015 14:02:56			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW461 Sheet 1 of 1		

Trial Pit Log

Logged CP Checked AP		Start 03/10/2014 End 03/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 1.60m Terminated on bedrock.	Dimensions and Orientation Width 1.50 m Length 4.00 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata	Depth, Level, Legend, Backfill/ Instruments		
Depth	Type & No.	Date Records	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 Greyish brown mottled yellowish brown locally orangish brown, locally stained dark grey gravelly silty fine to coarse SAND with medium cobble and boulder content. Gravel is angular to subangular of sandstone. Boulders are subangular to subrounded of sandstone. Abundant roots and rootlets. (VO = 1,1)	(1.60)		
1.50	ES 2		1.50-1.60 m Grey to brownish grey. 1.60 m Bedrock.	1.60		
			EXPLORATORY HOLE ENDS AT 1.60 m			
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Overcast, cool.		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25			Project Coed Darcy Site-wide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW462 Sheet 1 of 1		

Trial Pit Log

Logged CP Checked AP		Start 03/10/2014 End 03/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 1.10m Terminated on bedrock.	Dimensions and Orientation Width 1.50 m Length 4.00 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No.	Date Records	Description			
0.40	ES 1		1 Greyish brown mottled yellowish brown occasionally orangish brown gravelly silty fine to coarse SAND with medium cobble content and low boulder content. Gravel is angular to subangular, fine to coarse of sandstone. Cobbles are subangular of sandstone. Boulders are tabular of sandstone. Occasional rootlets. (VO = 0,0)	(0.80)		
1.00	ES 2		2 Dark grey to brownish grey subangular to subrounded COBBLES and BOULDERS of sandstone with much silty sandy gravel. Sand is fine to coarse. Gravel is angular to subangular, fine to coarse of sandstone. (VO = 2,0)	0.80 (0.30)		
			1.10 m Bedrock	1.10		
			EXPLORATORY HOLE ENDS AT 1.10 m			
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Overcast, cool.		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4818/02/2015 14:03:05			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW463 Sheet 1 of 1		

Trial Pit Log

Logged CP Checked AP		Start 03/10/2014 End 03/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 0.80m Terminated on bedrock.	Dimensions and Orientation Width 1.50 m Length 4.00 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No.	Date Records	Description			
0.50	ES 1		1 Greyish brown mottled yellowish brown locally stained dark grey to black gravelly silty fine to coarse SAND with high cobble content and medium boulder content. Gravel is angular to subangular, fine to coarse of sandstone. Cobbles are angular to subrounded tabular of sandstone. Boulders are mainly tabular of sandstone. Rare rootlets. (VO = 2,1)	(0.80)		
			0.70-0.80 m Sandy silty gravel. EXPLORATORY HOLE ENDS AT 0.80 m	0.80		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Overcast, cool		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4818/02/2015 14:03:13			Project Coed Darcy Site-wide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW464 Sheet 1 of 1		

Trial Pit Log

Logged CP Checked AP		Start 02/10/2014 End 02/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 1.50m Terminated on bedrock.	Dimensions and Orientation Width 1.50 m Length 4.00 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No.	Date Records	Description			
0.50	ES 1		1 Greyish brown to brown gravelly silty fine to coarse SAND with high cobble content and medium boulder content. Gravel is angular to subangular, fine to coarse of sandstone. Cobbles are angular to subrounded tabular of sandstone. Boulders are subangular of sandstone. (VO = 0,0)	0.40 m Steel wire (100mm diameter) in face C.	(0.90)	
1.30	ES 2		2 Brownish grey to grey, rarely stained dark grey gravelly silty fine to coarse SAND with high cobble content and medium boulder content. Gravel is angular to subangular, fine to coarse of sandstone. Cobbles are subangular to subrounded tabular of sandstone. Boulders are of sandstone. (VO = 0,0)		(0.60)	
			EXPLORATORY HOLE ENDS AT 1.50 m 1.50 m Sandstone bedrock		1.50	
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Cloudy,hot		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW465 Sheet 1 of 1		

Logged CP Checked AP	Start 02/10/2014 End 02/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 1.60m Terminated on bedrock.	Dimensions and Orientation Width 1.50 m Length 4.00 m A B C D ➡ -	Ground Level Coordinates National Grid Chainage	- - -	
Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 Greyish brown mottled yellowish brown gravelly silty fine to coarse SAND with low cobble and boulder content. Gravel is angular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded of sandstone. Boulders are subrounded of sandstone. (VO = 0,0)	(1.10)		
1.50	ES 2		2 Brownish grey to grey locally stained dark grey slightly silty sandy angular to subangular, fine to coarse GRAVEL of sandstone with high cobble content and low boulder content. Sand is fine to coarse. Cobbles are subangular tabular of sandstone. Boulders are angular of sandstone. (VO = 1,3)	1.10 (0.50)		
			EXPLORATORY HOLE ENDS AT 1.60 m	1.60		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Cloudy,cool		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4825/01/2015 21:12:27			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW466 Sheet 1 of 1		

Trial Pit Log

Logged CP Checked AP		Start 02/10/2014 End 02/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 1.40m Terminated on bedrock.	Dimensions and Orientation Width 1.50 m Length 4.00 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 Greyish brown to yellowish brown silty gravelly fine to coarse SAND with high cobble content and low boulder content. Abundant pockets of stiff mottled orangish brown and greyish brown slightly gravelly sandy silt. Gravel is angular to subangular, fine to coarse of sandstone. Cobbles are subangular to subrounded of sandstone. Boulders are subangular of sandstone. (VO = 0,0)	(0.70)		
1.30	ES 2		2 Brownish grey to grey locally stained dark grey gravelly silty fine to coarse SAND with high cobble and boulder content. Gravel is angular to subangular, fine to coarse of sandstone. Cobbles are tabular of sandstone. Boulders are tabular of sandstone. (VO = 1,3)	(0.70)		
			EXPLORATORY HOLE ENDS AT 1.40 m 1.40 m Sandstone bedrock.	1.40		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Cloudy, cool		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4825/01/2015 21:12:30			Project Coed Darcy Site-wide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW467 Sheet 1 of 1		

Trial Pit Log

Logged CP Checked AP		Start 02/10/2014 End 02/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 1.70m Terminated on bedrock.	Dimensions and Orientation Width 1.50 m Length 4.00 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata	Depth, Level/ (Thickness) Legend Backfill/ Instruments		
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (MADE GROUND) Greyish brown locally brown slightly silty gravelly fine to coarse SAND with high cobble and low boulder content. Occasional pockets of orangish brown silty gravelly sand. Gravel is angular to subangular, fine to coarse of sandstone. Cobbles are subangular of sandstone. Boulders are subangular tabular of sandstone. Abundant rootlets. (VO = 0,0)	(1.40)		
1.50	ES 2		2 Brownish grey locally grey sandy gravelly subangular COBBLES and BOULDERS of sandstone with much sand and gravel. Sand is fine to coarse. Gravel is angular to subangular, fine to coarse of sandstone. (VO = 0,0)	1.40 (0.30)		
			EXPLORATORY HOLE ENDS AT 1.70 m 1.70 m Sandstone bedrock	1.70		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Cloudy, cool		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW468 Sheet 1 of 1		

Trial Pit Log

Logged CP Checked AP		Start 01/10/2014 End 01/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 2.80m Terminated on bedrock.	Dimensions and Orientation Width 1.50 m Length 4.00 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata	Depth, Level, (Thickness)		
Depth	Type & No.	Date Records	Description	Depth, Level, (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 Brown slightly clayey silty gravelly fine to coarse (predominantly fine to medium) SAND with medium cobble content. Gravel is angular to subangular, fine to coarse of sandstone. Cobbles are subangular to subrounded of sandstone. Abundant rootlets. (VO = 0,0)	(1.30)		
1.50	ES 2		2 Greyish brown gravelly silty fine to coarse SAND with high cobble content and medium boulder content. Gravel is subangular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded of sandstone. Boulders are subrounded and subangular of sandstone. (VO = 0,0)	1.30 (1.30)		
2.50	ES 3		3 Grey to brownish grey gravelly silty fine to coarse SAND with high cobble and boulder content. Gravel is subangular to subangular, fine to coarse of sandstone. Cobbles are subrounded of sandstone. Boulders are subangular tabular of sandstone. (VO = 1,2)	2.60 2.80		
			2.80 m Sandstone bedrock. EXPLORATORY HOLE ENDS AT 2.80 m			
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather L.rain, overcast		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4825/01/2015 21.12.36			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW469 Sheet 1 of 1		

Trial Pit Log



Logged AW Checked AP		Start 27/10/2014 End 27/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 0.2m Terminated on concrete.	Dimensions and Orientation Width 1.30 m Length 6.00 m A B C D B →	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.10	ES 1		1 Blackish brown slightly clayey fine to coarse SAND. (TOPSOIL)	0.20		
			EXPLORATORY HOLE ENDS AT 0.20 m Concrete.			
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)		Stability Stable Shoring None Weather Dry	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4809/02/2015 14:58:33 AGS			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit NSW47 Sheet 1 of 1	

Trial Pit Log

Logged CP Checked AP	Start 01/10/2014 End 01/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 3.9m Terminated on bedrock.	Dimensions and Orientation Width 1.50 m Length 4.20 m 	Ground Level - Coordinates - National Grid - Chainage -		
Samples and Tests		Strata				
Depth	Type & No.	Date Records	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (MADE GROUND) Firm to stiff greyish brown slightly gravelly slightly silty sandy CLAY with medium cobble and low boulder content. Sand is fine to coarse. Gravel is angular to subangular, fine to coarse of sandstone, brick and concrete. Cobbles are angular to subangular of sandstone and rare brick. Boulders are angular to subangular of concrete slab. Abundant rootlets. (VO = 0,0)	(1.20)		
1.50	ES 2		2 Brownish grey gravelly silty fine to coarse (predominantly fine to medium) SAND with high cobble and boulder content. Gravel is subangular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded angular of sandstone. Boulders are subangular to subrounded mainly tabular of sandstone. (VO = 0,2)	1.20		
2.50	ES 3			(2.30)		
3.50	ES 4		3 Grey locally dark grey gravelly silty fine to coarse SAND with high cobble and boulder content. Gravel is subangular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded of sandstone. Boulders are subangular tabular of sandstone. (VO = 1,3)	3.50		
			EXPLORATORY HOLE ENDS AT 3.90 m 3.90 m Bedrock	3.90		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather L.rain, overcast		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4825/01/2015 21:12:39			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW470 Sheet 1 of 1		

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Trial Pit Log

Logged CP Checked AP		Start 01/10/2014 End 01/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 4.7m Terminated on bedrock.	Dimensions and Orientation Width 1.50 m Length 4.30 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata	Depth, Level, (Thickness), Legend, Backfill/ Instruments		
Depth	Type & No.	Date Records	Description	Depth, Level, (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 Brown slightly sandy, slightly gravelly silty CLAY with low cobble content. Sand is fine to coarse (predominantly fine). Gravel is angular to subangular, fine to coarse of sandstone. Cobbles are angular to subangular of brick and sandstone. Abundant roots and rootlets. Occasional plastic netlon fence sheets. (VO = 0,0)	(0.70)		
			2 (MADE GROUND) Dark greyish brown to dark grey slightly gravelly sandy SILT with medium cobble content and low boulder content. Abundant pockets of dark grey slightly gravelly slightly sandy clayey silt. Sand is fine to coarse. Gravel is angular to subrounded, fine to coarse of sandstone. Cobbles are angular to subrounded, of sandstone and rare brick. (VO = 0,2)	0.70 (0.70)		
1.50	ES 2		3 Greyish brown gravelly silty fine to coarse SAND with high cobble content and medium boulder content. Gravel is subangular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded of sandstone. Boulders are angular to subrounded tabular of sandstone. (VO = 0,1)	1.40 (1.80)		
2.50	ES 3					
3.50	ES 4		4 Brownish grey to grey gravelly silty fine to coarse SAND with medium cobble and boulder content. Gravel is subangular to subrounded, fine to coarse of sandstone. Cobbles and boulders are subangular to subrounded of sandstone. (VO = 1,2)	3.20 (1.50)		
4.50	ES 5					
			EXPLORATORY HOLE ENDS AT 4.70 m	4.70 Sandstone bedrock.		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) 1 3.90 Water seepage collecting at base - oily sheen			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Overcast, l.rain		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW472 Sheet 1 of 1		

Trial Pit Log

Logged CP Checked AP		Start 01/10/2014 End 01/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 2.8m Terminated on bedrock.	Dimensions and Orientation Width 1.50 m Length 4.50 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata	Depth, Level/ (Thickness) Legend Backfill/ Instruments		
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (MADE GROUND) Brownish grey slightly gravelly sandy CLAY with medium cobble content. Sand is fine to coarse (predominantly fine). Gravel is angular to subangular, fine to coarse of sandstone, brick, mortar and rare concrete. Cobbles are subangular of brick and sandstone. Occasional roots and rootlets. Rare wood fragments and rare glass fragments. (VO = 0,0)	(1.30)		
1.50	ES 2		2 Brownish grey gravelly silty fine to coarse SAND with high cobble and medium boulder content. Gravel is angular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded of sandstone. Boulders are rounded to subangular of sandstone. (VO = 0,2)	1.30 (1.50)		
2.50	ES 3			2.80		
3.50	ES 4		3 Brownish grey to grey locally stained dark grey gravelly silty fine to coarse SAND with high cobble and medium boulder content. Gravel is angular to subrounded, fine to coarse of sandstone. Cobbles are of sandstone. Boulders are of sandstone. (VO = 1,3)	(1.80)		
4.50	ES 5					
			EXPLORATORY HOLE ENDS AT 4.60 m	4.60		
			4.60 m Sandstone bedrock			
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) 1 4.30 Water seepage mixing at base with oily sheen			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Overcast,rain		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW473 Sheet 1 of 1		

Trial Pit Log

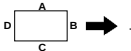
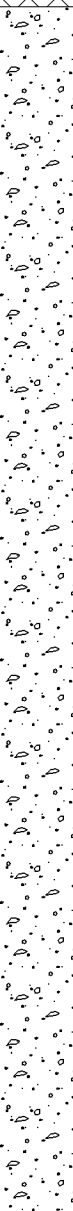
Logged CP Checked AP		Start 01/10/2014 End 01/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 4.4m Terminated on bedrock.	Dimensions and Orientation Width 1.50 m Length 4.40 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata	Depth, Level, (Thickness), Legend, Backfill/ Instruments		
Depth	Type & No.	Date Records	Description	Depth, Level, (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (MADE GROUND) Greyish brown locally brown gravelly silty fine to coarse (predominantly fine) SAND with medium cobble content. Abundant pockets of grey to dark grey slightly gravelly sandy silty. Gravel is angular to subangular, fine to coarse of sandstone, brick, tile and concrete. Cobbles are subangular of brick, sandstone and rare concrete. Occasional rootlets. Occasional scrap iron fragments and plastic sheeting. (VO = 0,0)	(1.50)		
1.50	ES 2		2 Brownish grey gravelly silty fine to coarse (predominantly fine to medium) SAND with medium cobble and boulder content. Gravel is subangular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subangular of sandstone. Boulders are subrounded of sandstone. (VO = 0,1)	1.50		
2.50	ES 3			(2.10)		
3.50	ES 4		3 Brownish grey to grey gravelly silty is fine to coarse (predominantly fine to medium) SAND with high cobble and boulder content. Abundant pockets of grey mottled orangish brown and greyish brown stiff slightly gravelly sandy clay. Gravel is subangular to subrounded, fine to coarse of sandstone. Cobbles are subangular tabular of sandstone. Boulders are subangular to subrounded of sandstone. (VO = 0,3)	3.60		
				(0.80)		
4.40	ES 5		EXPLORATORY HOLE ENDS AT 4.40 m 4.40 m Sandstone bedrock.	4.40		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour 1 4.10 Groundwater seepage with oily sheen			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Overcast, l.rain		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4825/01/2015 21.12.52			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW474 Sheet 1 of 1		

Trial Pit Log

Logged CP Checked AP		Start 01/10/2014 End 01/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 4.4m Terminated on bedrock.	Dimensions and Orientation Width 1.50 m Length 4.40 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata	Depth, Level/ (Thickness) Legend Backfill/ Instruments		
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (MADE GROUND) Greyish brown locally dark grey silty gravelly fine to coarse SAND with high cobble and low boulder content. Gravel is angular to subangular, fine to coarse of sandstone, brick, concrete and tile. Cobbles are subangular of sandstone and brick. Boulders are subangular to subrounded of sandstone. (VO = 0,0)	(1.40)		
1.50	ES 2		2 Brownish grey gravelly silty fine to coarse SAND with high cobble and low boulder content. Gravel is angular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded of sandstone. Boulders are subrounded occasionally tabular of sandstone. (VO = 0,0) becoming (VO = 1,2) from 3.60m.	1.40		
2.50	ES 3		2.30 m Below medium boulder content.	(3.00)		
3.50	ES 4		3.60-4.40 m Brownish grey locally stained dark grey.			
4.40	ES 5		EXPLORATORY HOLE ENDS AT 4.40 m 4.40 m Sandstone bedrock	4.40		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour 1 4.10 Slow seepage			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Overcast, cool		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW475 Sheet 1 of 1		

Trial Pit Log

Logged CP Checked AP		Start 01/10/2014 End 01/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 4.5m Terminated on bedrock.	Dimensions and Orientation Width 1.50 m Length 4.00 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata	Depth, Level/ (Thickness) Legend Backfill/ Instruments		
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
		*	1 (MADE GROUND) Yellowish brown to dark grey slightly silty gravelly fine to coarse SAND with medium cobble content. Abundant pockets of firm yellowish brown slightly gravelly sandy silt. Sand is fine to coarse. Gravel is angular to subangular, fine to coarse of sandstone, brick, concrete, mortar and clinker. Cobbles are subangular of sandstone and brick. (VO = 0,0)	(1.20)		
			2 (South of pit only) see sketch. Black gravelly SAND with abundant pockets <120 x 120 x 80mm of soft to firm slightly sandy clayey SILT contained abundant wood fragments and grass/leaves. Sand is fine to coarse. Gravel is angular to subangular, fine to coarse of sandstone, ash, clinker and coal. (VO = 0,2)	1.20-1.50 m Face C: Black gravelly fine to coarse SAND. Abundant pockets of soft to firm slightly sandy clayey SILT contained abundant wood fragments and grass/leaves. Gravel is angular to subangular, fine to coarse of sandstone, ash, clinker and coal. (VO = 0,2)	1.20 (0.30) 1.50	
			3 Brownish grey slightly gravelly silty fine to coarse SAND with medium cobble and low boulder content. Gravel is angular to subrounded, fine to coarse of sandstone. Cobbles are subangular of sandstone. Boulders are subangular tabular of sandstone. (VO = 0,1)			
			EXPLORATORY HOLE ENDS AT 4.50 m 4.50 m Sandstone bedrock	4.50		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) 1 4.50 Slow groundwater seepage from base			Depth Related Remarks * From to (m) 0.00 4.50 No samples obtained.	Stability Stable Shoring None Weather Overcast, cool		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW0476 Sheet 1 of 1		

Logged CP	Start 30/09/2014	Equipment, Methods and Remarks	Dimensions and Orientation	Ground Level		
Checked AP	End 30/09/2014	Komatsu PC210 Machine excavated trial pit from GL to 4.70m Terminated on bedrock.	Width 1.50 m Length 4.50 m 	Coordinates - National Grid - Chainage -		
Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (MADE GROUND) Very dark grey locally black gravelly fine to coarse SAND with high cobble content and medium boulder content. Abundant pockets of yellowish brown locally orangish brown slightly gravelly sandy silt. Gravel is angular to subrounded, fine to coarse of sanstone, brick and concrete. Cobbles are angular to subrounded of sandstone and brick. Boulders are subrounded of sandstone. Abundant pockets of ash, clinker and occasional coal fragments. Rare fragments of glass and pottery. (VO = 0,0)	0.70		
1.50	ES 2		2 Greyish brown silty gravelly fine to coarse SAND with medium cobble content and low boulder content. Rare pockets of firm sandy clay. Gravel is subrounded to subangular, fine to coarse of sandstone. Cobbles are of sandstone. Boulders are subrounded tabular of sandstone. (VO = 0,0)			
2.50	ES 3					
3.50	ES 4					
4.50	ES 5					
			EXPLORATORY HOLE ENDS AT 4.70 m	4.70		
			1.60-4.70 m Brownish grey high cobble content and medium boulder content.			
			4.70 m Bedrock.			
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) 1 4.00 Slow groundwater seepage.			Depth Related Remarks * From to (m)		Stability Stable Shoring None Weather Cloudy,hot	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4808/02/2015 13:59:35			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit NSW477 Sheet 1 of 1	

Trial Pit Log

Logged CP Checked AP		Start 30/09/2014 End 30/09/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 4.70m Terminated on bedrock.	Dimensions and Orientation Width 1.50 m Length 4.50 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata	Depth, Level/ (Thickness) Legend Backfill/ Instruments		
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (MADE GROUND) Brown to dark greyish brown slightly gravelly sandy SILT with low cobble content with abundant pockets of firm yellowish brown to greyish brown slightly gravelly sandy clay. Occasional fragments of wood and rare fragments of glass. (VO = 0,2)	(1.60)		
1.50	ES 2		2 Dark brownish grey silty gravelly fine to coarse SAND with medium cobble content and low boulder content. Gravel is subangular to subrounded, fine to coarse of sandstone. Cobbles are subrounded of sandstone. (VO = 0,2)	1.60 (0.60)		
2.50	ES 3		3 Greyish brown to brownish grey silty gravelly fine to coarse SAND with medium cobble content and low boulder content. Gravel is subangular to subrounded, fine to coarse of sandstone. Cobbles are subrounded to subangular of sandstone. Boulders are subangular of sandstone. (VO = 0,1)	2.20		
3.50	ES 4			(2.50)		
4.50	ES 5					
			EXPLORATORY HOLE ENDS AT 4.70 m	4.70		
			4.70 m Bedrock			
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) 1 4.00 Slow water seepage			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Cloudy,hot		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW478 Sheet 1 of 1		

Trial Pit Log

Logged CP Checked AP		Start 30/09/2014 End 30/09/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 4.70m Terminated on bedrock.	Dimensions and Orientation Width 1.50 m Length 4.50 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata	Depth, Level, (Thickness), Legend, Backfill/ Instruments		
Depth	Type & No.	Date Records	Description	Depth, Level, (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (MADE GROUND) Greyish brown slightly gravelly sandy SILT with low cobble content and occasional pockets of slightly gravelly sandy clay. Sand is fine to coarse. Gravel is angular to subangular, fine to coarse of sandstone, concrete and brick. Cobbles are subangular to subrounded of sandstone. Abundant roots and rootlets. Rare fragments of plastic and glass. (VO = 0,0)	(1.20)		
1.50	ES 2		2 Brownish grey slightly gravelly silty fine to coarse SAND with medium cobble content and low boulder content. Gravel is subangular to subrounded, fine to coarse of sandstone. Cobbles are subangular of sandstone. Boulders are subrounded to subangular of sandstone. (VO = 0,1)	1.20		
2.50	ES 3					
3.50	ES 4			(3.50)		
4.50	ES 5					
			EXPLORATORY HOLE ENDS AT 4.70 m	4.70		
			4.70 m Bedrock			
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) 1 4.20 Slow water seepage.			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Cloudy,hot		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit NSW479 Sheet 1 of 1		

Trial Pit Log



Logged AW Checked AP		Start 24/10/2014 End 24/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 3.8m Terminated on bedrock.	Dimensions and Orientation Width 1.30 m Length 6.00 m A B C D →		Ground Level Coordinates National Grid Chainage		- - -
Samples and Tests			Strata					
Depth	Type & No.	Date Records	Description		Depth, Level/ (Thickness)	Legend	Backfill/ Instruments	
0.50	ES 1		1 (MADE GROUND) Black and brown angular to subangular fine to coarse GRAVEL of macadam, brick, slag and clinker. (VO = 0,0)		0.20			
1.50	ES 2		2 Brown slightly silty gravelly fine to coarse SAND. Gravel is subangular to subrounded, fine to coarse of sandstone. (VO = 0,0)		(3.60)			
			EXPLORATORY HOLE ENDS AT 3.80 m		3.80			
			3.80 m Sandstone bedrock.					
Depth	Type & No.	Records Date						
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)			Stability Stable Shoring None Weather Drizzle		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25			Project Coed Darcy Site-wide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited			Trial Pit NSW48 Sheet 1 of 1		

