

Reservoir

Track

Drain

Pond

Lighting Tower

Lighting Tower

Lighting Tower

Lighting Tower

Lighting Tower

Lighting Tower

Lighting Tower

KEY

- MONITOR PHASE BOUNDARY
- TRIAL PIT
- RBSL FAILURE
- EXCEEDANCE OF VISUAL / OLFACTORY CRITERIA
- + FREE PRODUCT
- X PIPE LOCATION
- SPECIAL PROCESS AREAS:
 1. THE BARN WORKSHOP
 2. SUBSTATION
 3. BENZENE TANKFARM - DISSOLVED BENZENE
 4. TPH TANKFARM PUMP RAFT
 5. CRUDE PUMP HOUSE
 6. PUMP RAFT

REVISIONS	Drawn By	Checked By	Date
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PURPOSE OF ISSUE	Rev.	Authorised for issue	Date
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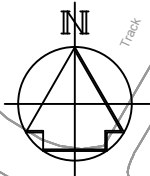
PROJECT

COED DARCY

DRAWING TITLE

MONITOR BOUNDARY PHASE 58
EXCEEDANCES PLAN

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	DATE	DATE	DATE
	11.05.15	11.05.15	11.05.15
DRAWING NO		SHEET	PLOT DATE
5041216-REM-DWG-1896		A3	29.10.15
		REV	
		-	



Reservoir

Track

Drain

Pond

Pond

Drain

KEY

- MONITOR BOUNDARY PHASE 58
- EXPLORATORY HOLE LOCATION
- DEVELOPMENT VILLAGE PERIMETER
- SPECIAL PROCESS AREAS:
 1. THE BARN WORKSHOP
 2. SUBSTATION
 3. BENZENE TANKFARM - DISSOLVED BENZENE
 4. TPH TANKFARM PUMP RAFT
 5. CRUDE PUMP HOUSE
 6. PUMP RAFT



REVISIONS	Drawn By	Checked By	Date

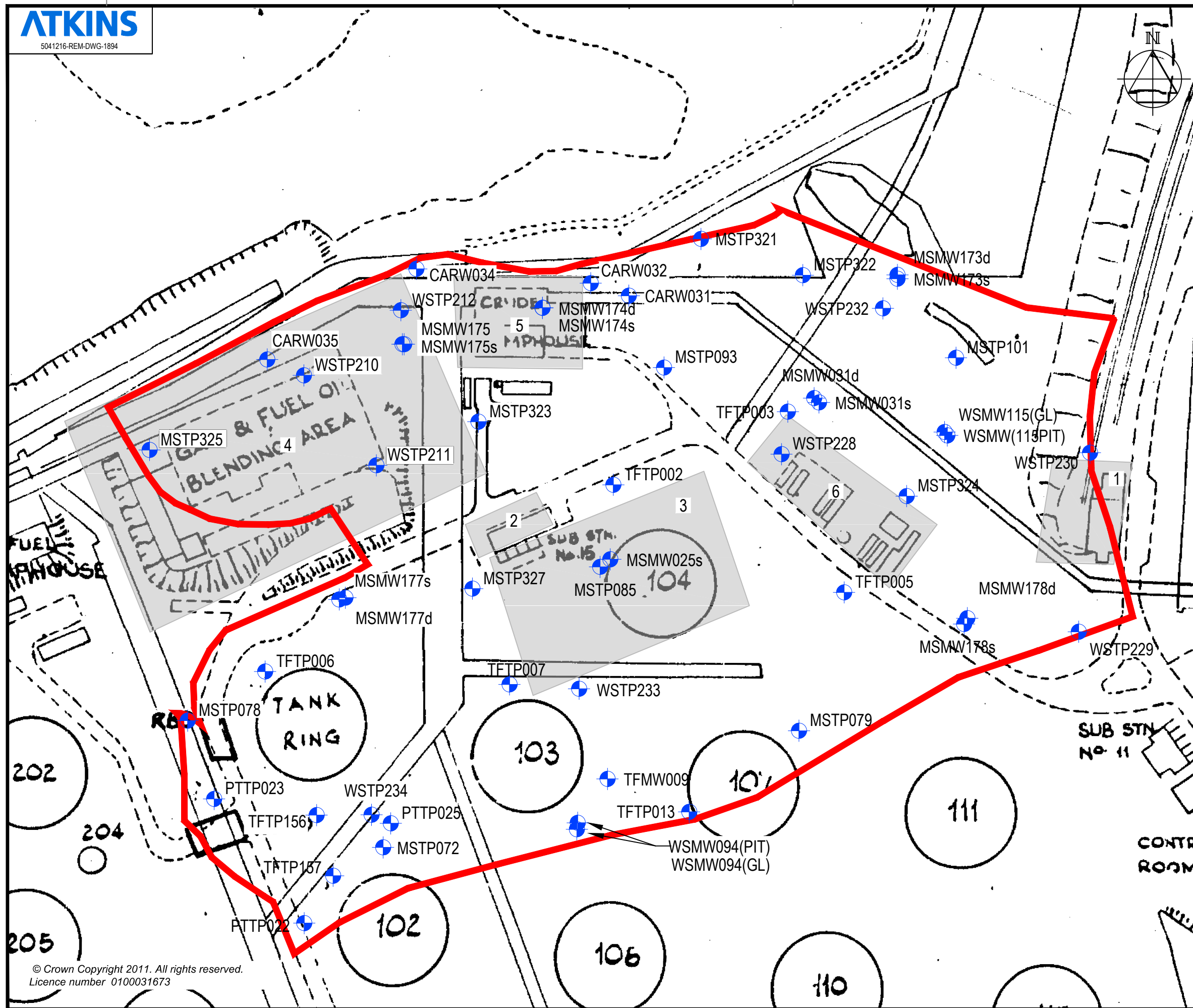
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DRAWING TITLE			
MONITOR BOUNDARY PHASE 58 RECENT EXPLORATORY HOLE LOCATIONS			
SCALES	DRAWN	CHECKED	CO-ORD CHECK
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	DATE	DATE	DATE
	11.05.15	11.05.15	11.05.15
DRAWING NO		SHEET	PLOT DATE
5041216-REM-DWG-1895		A3	09.09.15
		REV	



KEY

- MONITOR BOUNDARY PHASE 58
- EXPLORATORY HOLE LOCATION
- SPECIAL PROCESS AREAS:
 - THE BARN WORKSHOP
 - SUBSTATION
 - BENZENE TANKFARM - DISSOLVED BENZENE
 - TPH TANKFARM PUMP RAFT
 - CRUDE PUMP HOUSE
 - PUMP RAFT

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PROJECT: COED DARCY

DRAWING TITLE: MONITOR BOUNDARY PHASE 58
 HISTORICAL EXPLORATORY HOLE LOCATION PLAN

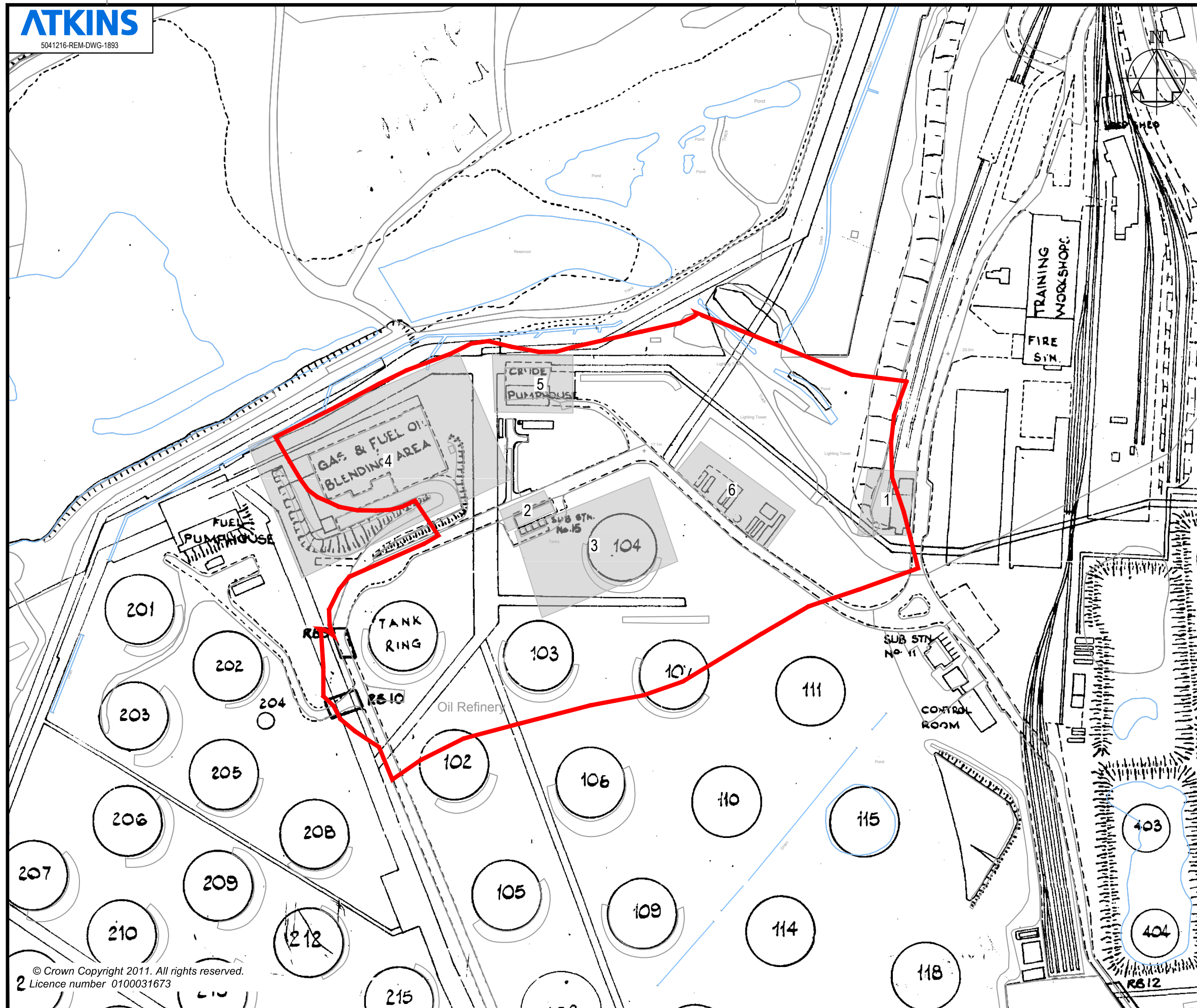
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DRAWING NO: 5041216-REM-DWG-1894

SHEET A3

PLOT DATE 11.09.15

REV -



- KEY**
- MONITOR BOUNDARY PHASE 58
 - SPECIAL PROCESS AREAS:
1. THE BARN WORKSHOP
 2. SUBSTATION
 3. BENZENE TANKFARM - DISSOLVED BENZENE
 4. TPH TANKFARM PUMP RAFT
 5. CRUDE PUMP HOUSE
 6. PUMP RAFT

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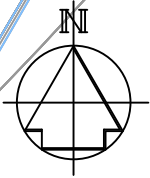
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DRAWING TITLE
 MONITOR BOUNDARY PHASE 58
 HISTORICAL LAYOUT

SCALE	DRAWN	CHECKED	CO-ORD CHECK
1:2000	MJ	MM	ML
DATE	DATE	DATE	DATE
11.05.15	11.05.15	11.05.15	11.05.15
DRAWING NO	SHEET	PLOT DATE	REV
5041216-REM-DWG-1893	A3	08.09.15	-



KEY



MONITOR BOUNDARY PHASE 58



SPECIAL PROCESS AREAS:

1. THE BARN WORKSHOP
2. SUBSTATION
3. BENZENE TANKFARM - DISSOLVED BENZENE
4. TPH TANKFARM PUMP RAFT
5. CRUDE PUMP HOUSE
6. PUMP RAFT

SITE LOCATION
SCALE 1:25,000

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DRAWING TITLE
MONITOR BOUNDARY PHASE 58

SCALES	DRAWN	CHECKED	CO-ORD CHECK
1:2500	MJ	MM	ML
	DATE	DATE	DATE
	11/05/15	11/05/15	11/05/15

DRAWING NO	SHEET	PLOT DATE
5041216-REM-DWG-1892	A3	09.09.15

REV
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Appendices

Appendix A. Summary of Adopted Thresholds

Lowest of the Remedial Target Criterion/Risk Based Screening Level for Commercial land use, Deep Soil (>1m)

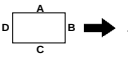
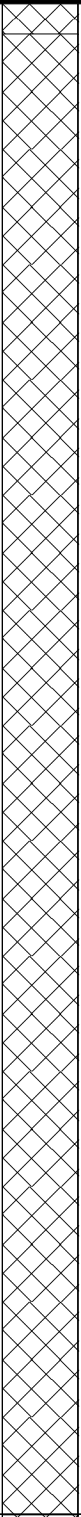
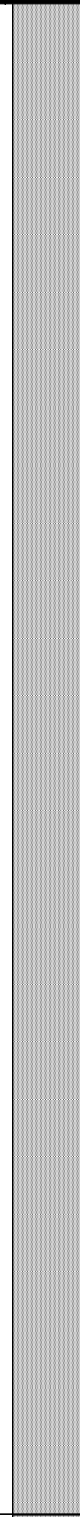
Contaminant	Minimum RBSL/ RTC 1% (mg/kg)	Minimum of RBSL/ RTC 3% (mg/kg)
Benzo(a)pyrene	>sat	>sat
Benzene	5	5
Toluene	389	389
Ethylbenzene	>sat	>sat
Xylene	>sat	>sat
TPH aromatic C7-C8	617	617
TPH aromatic C8-C10	547	547
TPH aromatic C10-C12	>sat	>sat
TPH aromatic C12-C16	>sat	>sat
TPH aliphatic C6-C8	>sat	>sat
TPH aliphatic C8-C10	>sat	>sat
TPH aliphatic C10-C12	>sat	>sat
TPH aliphatic C12-C16	>sat	>sat
TPH aliphatic C16-C21	None	None
TPH aliphatic C21-C35	None	None
TPH aromatic C16-C21	None	None
TPH aromatic C21-C35	None	None
Total TPH (Phase 1)	81956	81956
Total TPH (Process Area)	35014	35014
Total TPH (North Tank Farm)	13974	13974
Total TPH (South Tank Farm)	34797	34797
1,2-Dichloroethane	0.65	0.65
1,1,1-Trichloroethane	3250	3250
Tetrachloroethene	368	368
Trichloroethene	28	28
Vinyl chloride	0.154	0.214
Dichloromethane	665	665
Cis-1,2-Dichloroethene	35.1	67
Trans-1,2 Dichloroethene	53.4	91
Acenaphthene	>sat	>sat
Anthracene	>sat	>sat
Benzo(a)anthracene	>sat	>sat
Benzo(b)fluoranthene	>sat	>sat
Benzo(g,h,i)perylene	>sat	>sat
Benzo(k)fluoranthene	>sat	>sat
Chrysene	>sat	>sat
Dibenz(a,h)anthracene	>sat	>sat
Fluoranthene	>sat	>sat
Fluorene	>sat	>sat
Indeno(1,2,3-cd)pyrene	>sat	>sat
Pyrene	>sat	>sat
Phenol	>sat	>sat
Mercury, methyl	>sat	>sat
Mercury, elemental	>sat	>sat
Naphthalene	>sat	>sat
1,1,1,2-Tetrachloroethane	278	768
1,1,2,2-Tetrachloroethane	718	1720
Carbon tetrachloride	7.34	19
Chlorobenzene (mono)	>sat	>sat
TPH aliphatic C5-C6	>sat	>sat
TPH aromatic C5-C7	71	152

Notes

- Where the lower of the vapour or aqueous saturation limits have been exceeded by the RTC calculated, the hazard quotient is considered to be less than 1 and as such >sat has been presented
- Xylene - the lowest RTC of the three isomers has been presented. Users must consider total exposure from all xylene isomers and not consider them in isolation
- TPH >C16 are not considered to be volatile according to TPHCWG. Consequently the inhalation of vapour pathways have not been considered and therefore no RTC value has been presented here
- "None" indicates theoretical RBSL greater than solubility limit
- In the S106 only one value was presented for 1,2-dichloroethene of 91 mg/kg
- 'Total' TPH RBSL derived for an area of development, based on individual RBSL and available mass fraction TPH data in soil at time of derivation, using the inverse weighted average approach
- Benzo(a)pyrene RBSL to be compared against sum of 16 US EPA Priority List PAHs using Toxicity Equivalence approach
- TPH aromatic C7-C8 is considered to comprise toluene only by Atkins
- No RTC was produced for total TPH as this will be considered further at validation stage
- Asbestos has not been considered here as it is being considered in a separate report
- Additivity for TPHs and PAHs to be undertaken in line with guidance in Atkins report 5041216-REM-RPT-000476
- The potential presence of free product should be assessed in accordance with information in the S106
- TPH aromatic C5-C7 is considered to comprise benzene only by Atkins
- Values for phenol are calculated to be protective of dermal effects in line with the approach used by the Environment Agency to derive the commercial phenol SGV

Appendix B. Exploratory Hole Logs

Trial Pit Log

Logged CB Checked AP		Start 17/02/2015 End 17/02/2015	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 5.2m 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, Level/ (Thickness) Legend Backfill/ Instruments		
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (MADE GROUND) Soft dark brown gravelly slightly sandy CLAY with low cobble content. Gravel is well angular to subrounded, fine to coarse of brick. Cobbles are well angular to angular of brick. Frequent roots and rootlets. (VO = 0,0)	0.10		
2.00	ES 2		2 (MADE GROUND) Dark bluish brown slightly sandy well angular to angular, fine to coarse GRAVEL of clinker and sandstone with low cobble content. Sand is fine to coarse of ash. Cobbles are well angular to subrounded of clinker, sandstone, slag and brick. Rare roots and rootlets. Rare pockets of soft brownish orange slightly gravelly slightly sandy clay. (VO = 0,0)	(5.10)		
3.50	ES 3					
Depth	Type & No.	Records Date	Stratum continues to 5.20 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. Scale 1:25 (c) ESG www.esg.co.uk 426.4810/03/2015 15:53:51 			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited			Trial Pit IP1567 Sheet 1 of 2

Logged CB Checked AP	Start 17/02/2015 End 17/02/2015	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 5.2m Terminated at maximum reach of excavator.	Dimensions and Orientation Width 1.50 m Length 3.00 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
			2 (MADE GROUND) Dark bluish brown slightly sandy well angular to angular, fine to coarse GRAVEL of clinker and sandstone with low cobble content. Sand is fine to coarse of ash. Cobbles are well angular to subrounded of clinker, sandstone, slag and brick. Rare roots and rootlets. Rare pockets of soft brownish orange slightly gravelly slightly sandy clay. (VO = 0,0) EXPLORATORY HOLE ENDS AT 5.20 m	5.20		
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 426.4810/03/2015 15:53:52 ESG			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit IP1567 Sheet 2 of 2	

Trial Pit Log



Logged CB Checked AP		Start 17/02/2015 End 17/02/2015	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 0.2m Terminated on 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) Soft dark brown slightly gravelly sandy CLAY with low cobble content. Gravel is well angular to rounded, fine to coarse of brick concrete and sandstone. Sand is fine to coarse. Cobbles are well angular to subrounded of sandstone, concrete and brick. Frequent roots and rootlets. (VO = 0,0) 0.20 m Concrete. EXPLORATORY HOLE ENDS AT 0.20 m			0.20		
Depth	Type & No.	Records Date						
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m) 0.00 0.20 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 (c) ESG www.esg.co.uk 426.4810/03/2015 15:53:55			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited			Trial Pit IP1568 Sheet 1 of 1		

Trial Pit Log



Logged CB Checked AP		Start 26/02/2015 End 26/02/2015	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 4.50m. Terminated at maximum reach of excavator.	Dimensions and Orientation Width 1.30 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 light brown gravelly slightly sandy CLAY with low cobble content. Gravel is subangular, fine to coarse. Sand is fine to coarse. Cobbles are angular to subrounded of sandstone and brick. Frequent roots and rootlets. (VO = 0,0)		0.20		
1.50	ES 2		2 Soft light greenish brown very gravelly sandy SILT with low cobble content. Gravel is well angular to subrounded, fine to coarse of sandstone. Sand is fine to coarse. Cobbles are well angular to angular of sandstone. (VO = 0,0)		(1.80)		
2.50	ES 3		3 Black slightly sandy well angular to subrounded, fine to coarse sandy GRAVEL of clinker. Sand is fine to coarse of ash. (VO = 0,0)		2.00		
					(2.50)		
			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 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 426.4817/03/2015 09:59:25 AGS			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit IP1570 Sheet 1 of 1		

Trial Pit Log

Logged CB Checked AP		Start 17/02/2015 End 17/02/2015	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 0.6m Terminated on concrete.	Dimensions and Orientation Width 1.50 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
0.50	ES 1		1 (MADE GROUND) Soft dark brown gravelly slightly sandy CLAY with low cobble content. Gravel is well angular to angular, fine to medium of sandstone and brick. Sand is fine to coarse. Cobbles are well angular to angular of brick. Frequent roots and rootlets. (VO = 0,0) 2 (MADE GROUND) Light grey well angular to angular, coarse GRAVEL of sandstone. (VO = 0,0) 3 (MADE GROUND) Stiff light bluish brown and brownish red, frequently stained black slightly gravelly sandy CLAY with low cobble content. Gravel is well angular to subrounded, fine to coarse of sandstone and bitumen. Sand is fine to coarse. Cobbles are well angular to subrounded of sandstone and bitumen. (VO = 2,2) EXPLORATORY HOLE ENDS AT 0.60 m	0.20 0.30 (0.30) 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 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 IP1573A Sheet 1 of 1		

Trial Pit Log

Logged CB Checked AP		Start 17/02/2015 End 17/02/2015	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 5.2m 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, Level/ (Thickness) Legend Backfill/ Instruments		
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (MADE GROUND) Soft dark brown slightly gravelly sandy CLAY with low cobble content. Gravel is well angular to rounded, fine to coarse of sandstone. Sand is fine to coarse. Cobbles are well angular to subrounded of sandstone, concrete and brick. Frequent roots and rootlets. (VO = 0,0)	0.10		
2.00	ES 2		2 (MADE GROUND) Dark bluish brown slightly sandy well angular to angular, fine to coarse GRAVEL of clinker and sandstone with low cobble content. Sand is fine to coarse of ash. Cobbles are well angular to subrounded of clinker, sandstone and slag. Occasional roots and rootlets. Rare pockets of black clay. (VO = 2,2)	(5.10)		
3.50	ES 3					
Depth	Type & No.	Records Date	Stratum continues to 5.20 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 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 426.4810/03/2015 15:54:09			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit IP1576 Sheet 1 of 2	

Trial Pit Log



Logged CB Checked AP		Start 17/02/2015 End 17/02/2015	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 5.2m Terminated at maximum reach of excavator.	Dimensions and Orientation Width 1.50 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/ Instruments
			2 (MADE GROUND) Dark bluish brown slightly sandy well angular to angular, fine to coarse GRAVEL of clinker and sandstone with low cobble content. Sand is fine to coarse of ash. Cobbles are well angular to subrounded of clinker, sandstone and slag. Occasional roots and rootlets. Rare pockets of black clay. (VO = 2,2) EXPLORATORY HOLE ENDS AT 5.20 m	5.20	
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	
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 426.4810/03/2015 15:54:10			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit IP1576 Sheet 2 of 2	

Trial Pit Log



Logged CB Checked AP		Start 18/02/2015 End 18/02/2015	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 4.2m 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) Soft dark brown slightly gravelly slightly sandy CLAY with low cobble content. Gravel is angular to subrounded, fine to coarse. Sand is fine to coarse. Cobbles are angular to subrounded of sandstone and brick. Frequent roots and rootlets. (VO = 0,0)		0.10		
1.50	ES 2		2 (MADE GROUND) Black slightly sandy well angular to angular, fine to coarse GRAVEL of clinker and slag with low cobble content. Sand is fine to coarse of ash. Cobbles are well angular to subrounded of slag and sandstone. Occasional roots and rootlets. (VO = 3,3)		(4.10)		
2.50	ES 3						
3.50	ES 4						
			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 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 426.4817/03/2015 14:33:56			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit IP1577 Sheet 1 of 1		

Trial Pit Log

PRELIMINARY



Logged CB Checked		Start 18/02/2015 End 18/02/2015	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 4.3m Terminated due to collapse.	Dimensions and Orientation Width 1.50 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
0.50	ES 1		1 (MADE GROUND) Soft dark brown slightly gravelly slightly sandy CLAY with low cobble content. Gravel is angular to subrounded, fine to coarse. Sand is fine to coarse. Cobbles are angular to subrounded of sandstone and brick. Cobbles are angular to subrounded of sandstone, brick and slag. Frequent roots and rootlets. (VO = 0,0)	0.10		
1.50	ES 2		2 (MADE GROUND) Black slightly sandy well angular to angular, fine to coarse GRAVEL of clinker with low cobble content. Sand is fine to coarse of ash. Cobbles are well angular to subrounded. Occasional roots and rootlets. (VO = 0,0)	(3.90)		
2.50	ES 3					
3.50	ES 4					
4.30	ES 5		3 Soft to firm light greenish and brownish orange frequently stained black slightly sandy CLAY. Sand is fine to coarse. (VO = 3,3)	4.00 (0.30)		
			EXPLORATORY HOLE ENDS AT 4.30 m	4.30		
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 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 426.4817/03/2015 14:34:03			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit IP1578A Sheet 1 of 1		

[illegible]

Trial Pit Log

Logged AW Checked AP	Start 12/09/2014 End 12/09/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 3.4m 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) Dark brown silty gravelly, fine to coarse SAND with low cobble content and occasional boulder content. Gravel is subangular to subrounded, fine to coarse of sandstone, brick and concrete. Cobbles are angular to subrounded of sandstone, brick and concrete. Boulders are subangular of brick. Frequent roots and rootlets. (VO = 1,1)	(1.10)		
			2 Grey occasional stained orange clayey 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 of sandstone. Rare pockets of sandy gravelly black ash. (VO = 2,2)	1.10 (1.20)		
			3 Grey sandy subangular to subrounded, fine to coarse GRAVEL of sandstone with high cobble content and low boulder content. Sand is fine to coarse. Cobbles are subangular to subrounded of sandstone. Boulders are subangular tabular of sandstone. (VO = 3,3)	2.30 (1.10)		
			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 1 3.00 Seepage water mixing with hydrocarbon product leaving a black oily sheen			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 IP1648 Sheet 1 of 1		

Trial Pit Log



Logged AJ Checked AP		Start 02/03/2015 End 02/03/2015	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 3.5m Terminated on bedrock.		Dimensions and Orientation Width 1.60 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 grey sandy subangular to subrounded, fine to coarse GRAVEL of sandstone, ash and clinker with low cobble content. Cobbles are subangular to subrounded of sandstone. Occasional metal and fabric fragments. (VO = 1,0)			(1.30)		
1.50	ES 2		2 (MADE GROUND) Orangish brown gravelly, fine to coarse SAND. Gravel is subangular to subrounded, fine to coarse of sandstone and brick. (VO = 0,0)			1.30 (0.80)		
2.50	ES 3		3 Dark grey sandy slightly gravelly CLAY. Gravel is subangular to subrounded, fine to coarse of sandstone. Frequent rootlets. (VO = 0,0)			2.10 (0.70)		
			4 Orangish brown sandy slightly clayey subangular to subrounded, fine to coarse GRAVEL of sandstone with medium cobble content. Cobbles are subangular to subrounded of sandstone. (VO = 0,0)			2.80 (0.70)		
3.50	ES 4		EXPLORATORY HOLE ENDS AT 3.50 m			3.50		
			3.50 m Bedrock					
Depth	Type & No.	Records Date						
Groundwater Entries No. Struck Post Strike Behaviour (m) 1 2.00 Medium ingress.			Depth Related Remarks * From to (m)			Stability 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. Scale 1:25			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited			Trial Pit IP1663 Sheet 1 of 1		



Trial Pit Log



Logged AJ Checked AP		Start 02/03/2015 End 02/03/2015	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 3.6m Terminated on bedrock.	Dimensions and Orientation Width 1.60 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) Brown sandy subangular to subrounded, fine to coarse GRAVEL of ash, clinker and sandstone. Frequent rootlets. (VO = 0,0)	(1.30)			
1.50	ES 2		2 (MADE GROUND) Dark grey stained gravelly clayey, fine to coarse SAND. Gravel is subangular to subrounded of sandstone and brick. Frequent metal fragments. Frequent pockets of solid bitumen. (VO = 5,4)	1.30 (1.30)		1	
2.50	ES 3		3 Orangish brown sandy clayey subangular to subrounded, fine to coarse GRAVEL of sandstone with medium cobble content. Sand is fine to coarse. Cobbles are subangular to subrounded of sandstone. (VO = 2,4)	2.60 (1.00)			
3.50	ES 4		EXPLORATORY HOLE ENDS AT 3.60 m	3.60			
			3.60 m Bedrock.				
Depth	Type & No.	Records Date					
Groundwater Entries No. Struck Post Strike Behaviour (m) 1 2.00 Fast ingress			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 426.4807/04/2015 11:34:38 AGS			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit IP1664 Sheet 1 of 1		

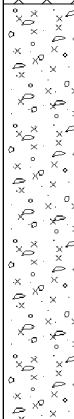
Trial Pit Log



Logged AJ Checked AP		Start 02/03/2015 End 02/03/2015	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 3.5m Terminated on bedrock.	Dimensions and Orientation Width 1.60 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 Greyish brown gravelly clayey, fine to coarse SAND. Gravel is subangular to subrounded, fine to coarse of sandstone. 1 No subangular boulder of sandstone. (VO = 1,0)	(1.00)			
1.50	ES 2		2 Soft to firm brown mottled grey sandy gravelly CLAY with medium cobble content. Gravel is subangular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded of sandstone. (VO = 1,0)	(1.00)			
2.50	ES 3		3 Brown gravelly slightly clayey, 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)	(0.70)			
			4 Brown sandy slightly clayey subangular to subrounded, fine to coarse GRAVEL of sandstone with medium cobble content. Cobbles are subangular to subrounded of sandstone. (VO = 0,0)	(0.80)			
3.50	ES 4		EXPLORATORY HOLE ENDS AT 3.50 m 3.50 m Bedrock	3.50			
Depth	Type & No.	Records Date					
Groundwater Entries No. Struck Post Strike Behaviour (m) 1 2.00 Medium ingress			Depth Related Remarks * From to (m)		Stability 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. Scale 1:25			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit IP1665 Sheet 1 of 1		

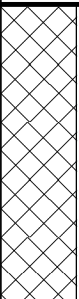
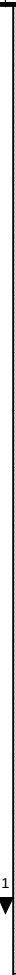


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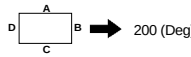
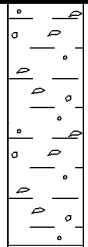
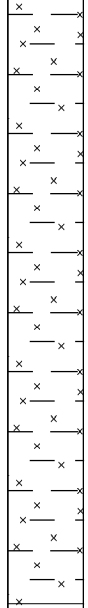
Logged DD Checked AP		Start 06/08/2014 End 06/08/2014		Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 2.7m Terminated on bedrock		Dimensions and Orientation Width 1.50 m Length 4.50 m A B C 350 (Deg)		Ground Level Coordinates National Grid Chainage	
Samples and Tests				Strata					
Depth	Type & No.	Date Records	Description			Depth, Level/ (Thickness)	Legend	Backfill/ Instruments	
		*	1 (MADE GROUND) Dark greyish black occasionally light red to reddish brown slightly clayey gravelly medium SAND with medium to high cobble content and low to medium boulder content. Gravel is subangular to subrounded, fine to coarse of siltstone, sandstone, slag, concrete, brick and clinker. Cobbles are subangular to subrounded of siltstone, sandstone, concrete, slag, brick and clinker. Boulders are subangular to subrounded of siltstone and concrete. Strong to very strong odour. (VO = 4,4)						
			2 Greyish light brown locally stained dark grey clayey gravelly SILT with medium to high cobble content. Gravel is subangular to subrounded, fine to coarse of siltstone and sandstone. Cobbles are subangular to subrounded occasional tabular of siltstone and sandstone. (VO = 3,4)			1.30-1.50 m Pockets of black free product.			
						2.50-2.70 m Medium to high boulder content. Boulders are subangular to subrounded of siltstone and sandstone. 2.70 m Bedrock			
			EXPLORATORY HOLE ENDS AT 2.70 m			2.70			
Depth	Type & No.	Records Date							
Groundwater Entries No. Struck Post Strike Behaviour (m) 1 1.30 Seepage - thick oily film on surface of water.			Depth Related Remarks * From to (m) 0.00 2.70 No Samples Obtained			Stability Collapse from 1.3m 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 426.4826/09/2014 13:11:41			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited			Trial Pit IP1667 Sheet 1 of 1			

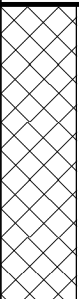
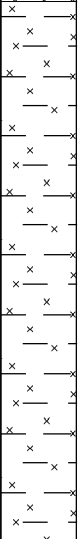
Logged DD Checked AP	Start 06/08/2014 End 06/08/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 1.5m Terminated due to concrete and water ingress.	Dimensions and Orientation Width 1.50 m Length 4.50 m A B C D ➡ 300 (Deg)		Ground Level Coordinates National Grid Chainage	
Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level (Thickness)	Legend	Backfill/ Instrument
0.50	ES 1		1 (MADE GROUND) Dark grey locally black slightly clayey silty gravelly SAND with medium cobble content and high boulder content. Gravel is angular to subangular to subrounded, fine to coarse of siltstone, sandstone, concrete and brick. Cobbles are angular to subangular of concrete, brick and slag. Boulders are subangular of concrete and slag. (VO = 3,1)	(1.50)		
			EXPLORATORY HOLE ENDS AT 1.50 m	1.50		

Logged DD Checked AP		Start 06/08/2014 End 06/08/2014		Equipment, Methods and Remarks Koamtsu PC210 Machine excavated trial pit from GL to 3.5m Terminated on bedrock		Dimensions and Orientation Width 1.50 m Length 4.50 m A B C 300 (Deg)		Ground Level Coordinates National Grid Chainage	
Samples and Tests			Strata						
Depth	Type & No.	Date Records	Description				Depth, Level/ (Thickness)	Legend	Backfill/ Instrument
0.30	ES 1		1 (MADE GROUND) Firm to stiff dark grey mottled orange slightly sandy gravelly CLAY with medium cobble content. Gravel is subangular to subrounded, fine to coarse of siltstone, sandstone and occasional brick. Cobbles are subangular to subrounded of siltstone, sandstone and brick. (VO = 2,2) 2 Soft to firm grey silty gravelly CLAY with medium cobble content and low boulder content. Gravel is subangular to subrounded occasionally rounded, fine to coarse of sandstone. Cobbles are subangular to subrounded occasionally rounded tabular sandstone. Boulders are subrounded of sandstone. (VO = 2,4)				0.50 		

Logged DD Checked AP		Start 06/08/2014 End 06/08/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 3.2m Terminated on bedrock		Dimensions and Orientation Width 1.30 m Length 4.50 m A B C D ➔ 300 (Deg)		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) Firm to stiff brown mottled greyish red gravelly CLAY with low cobble content. Gravel is subangular to subrounded, fine to coarse of siltstone, sandstone and occasional brick. Cobbles are subangular to subrounded of siltstone and sandstone. Occasional pockets of red sand and clinker. (VO = 2,0)			(1.00)		
			2 Soft to firm orange mottled brown slightly gravelly CLAY. Gravel is subangular to subrounded, fine to coarse of siltstone and sandstone. Strong hydrocarbon odour. (VO = 0,0)			1.00 (0.30)		
			3 Bluish grey slightly sandy gravelly SILT with medium to high cobble content. Gravel is subangular to subrounded, fine to coarse of siltstone and sandstone. Cobbles are subangular to subrounded of siltstone. (VO = 3,4)			1.30 (1.90)		
			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 Seepage			Depth Related Remarks * From to (m)			Stability Collapse in Face A. Shoring None Weather Dry, partly		
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 426.4818/09/2014 08:27:25 			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited			Trial Pit IP1670 Sheet 1 of 1		

Trial Pit Log

Logged DD Checked AP	Start 06/08/2014 End 06/08/2014	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	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 Firm to stiff orangish brown mottled grey slightly gravelly CLAY. Gravel is subangular to subrounded, fine to coarse of siltstone and sandstone. Strong hydrocarbon odour. (VO = 0,3)	(0.80)		
			2 Soft to firm bluish grey and brownish grey slightly sandy gravelly silty CLAY with medium cobble content. Gravel is subangular to subrounded, fine to coarse of siltstone and sandstone. Cobbles are subangular to subrounded of siltstone and sandstone. (VO = 2,4)	0.80		
			2.50-2.80 m High boulder content. Boulders are subangular to subrounded, occasionally tabular of sandstone. 2.80 m Terminated on bedrock	2.80		
			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 Collapse in Face A. 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 IP1735 Sheet 1 of 1		

Logged DD	Start 06/08/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 2.8m Unable to progress through boulders.		Dimensions and Orientation Width 1.50 m Length 4.50 m		A B C D ➡ 270 (Deg)		Ground Level Coordinates National Grid Chainage	
Checked AP	End 06/08/2014								
Samples and Tests			Strata						
Depth	Type & No.	Date Records	Description			Depth, Level (Thickness)	Legend	Backfill/ Instrument	
0.50	ES 1		1 (MADE GROUND) Dark grey to black, occasional red brown slightly clayey gravelly SAND with medium cobble content and medium boulder content. Gravel is subangular to subrounded, fine to coarse of siltstone, brick and clinker. Cobbles are subangular to subrounded of concrete, clinker, brick and sandstone. Boulders are subangular of concrete. (VO = 4,2)			(1.00)			
			0.80-1.00 m Free product.						
			2 Soft to firm bluish grey and light brown slightly sandy gravelly silty CLAY with medium to high cobble content. Gravel is subangular to subrounded, fine to coarse of siltstone and sandstone. Cobbles are subangular to subrounded of siltstone and sandstone. (VO = 2,4)			(1.80)			
			2.50-2.80 m High boulder content subrounded occasional flat sandstone.						
			EXPLORATORY HOLE ENDS AT 2.80 m			2.80			
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 Collapse in Face C. 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 426.4818/09/2014 08:29:55			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited			Trial Pit IP1736 Sheet 1 of 1			

Logged DD Checked AP		Start 06/08/2014 End 06/08/2014		Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 4.0m Unable to progress beyond 4.00m		Dimensions and Orientation Width 1.50 m Length 4.50 m A B C D B → 300 (Deg)		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 Firm dark brown slightly sandy organic CLAY with boulder sized pockets of fibrous peat. Sand is fine to coarse. Rare subangular gravel of sandstone. (VO = 2,3)					(0.80)	   	
			2 Soft to firm light grey and light brown slightly sandy gravelly silty CLAY with high cobble content and medium to high boulder content. Gravel is subangular to subrounded, fine to coarse of siltstone and sandstone. Cobbles are subangular to subrounded of siltstone and sandstone. Boulders are subrounded of siltstone and sandstone. Localised lenses of dark grey and black free product. (VO = 4,4)							
			0.50-1.50 m Localised lenses of free product.					0.80	                                                                            	
			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 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 (c) ESG www.esg.co.uk 426.4818/09/2014 08:29:57			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited					Trial Pit IP1737 Sheet 1 of 1		

Trial Pit Log



Logged NK Checked AP		Start 11/02/2015 End 11/02/2015	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 0.3m Terminated on concrete.	Dimensions and Orientation Width 1.00 m Length 2.00 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) Brown slightly silty 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 of sandstone, brick and slag. Rare rootlets. (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 0.30 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 426.4802/03/2015 16:45:00 AGS			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit IP1738 Sheet 1 of 1		

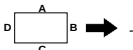
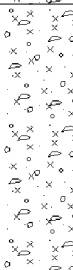
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Samples and Tests			Strata					
Depth	Type & No.	Date Records	Description			Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
		*	1 Soft black slightly sandy slightly gravelly SILT. Sand is fine. Gravel is subangular to subrounded, fine to coarse of sandstone. Frequent rootlets. (VO = 5,4)			(0.40)		
			EXPLORATORY HOLE ENDS AT 0.40 m			0.40		
							</	

Trial Pit Log



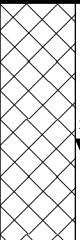
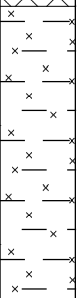
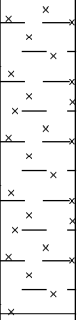
Logged NK Checked AP		Start 11/02/2015 End 11/02/2015	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 0.8m Terminated on bedrock.	Dimensions and Orientation Width 1.00 m Length 2.50 m 		Ground Level - Coordinates - National Grid - Chainage -		
Samples and Tests			Strata					
Depth	Type & No.	Date Records	Description			Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (MADE GROUND) Pinkish red sandy subangular to subrounded fine to coarse GRAVEL of sandstone and clinker. Sand is fine to coarse of ash. Cobbles are subangular to subrounded of sandstone. (VO = 0,0) 2 (MADE GROUND) Black silty gravelly fine to coarse SAND of ash with medium cobble content. Gravel is subangular to subrounded, fine to coarse of sandstone, ash and clinker. Cobbles are subangular to subrounded of sandstone. Occasional rootlets. (VO = 4,3) 0.80 m Bedrock. EXPLORATORY HOLE ENDS AT 0.80 m			(0.30) 0.30 (0.50) 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 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 426.4803/03/2015 15:08:34			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited			Trial Pit IP1749 Sheet 1 of 1		

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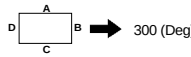
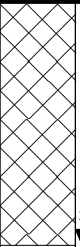
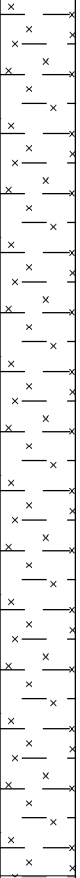
Logged NK Checked AP	Start 11/02/2015 End 11/02/2015	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 2.3m Terminated on bedrock.	Dimensions and Orientation Width 1.00 m Length 2.00 m			Ground Level Coordinates National Grid Chainage	- - -
Samples and Tests			Strata				
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments	
0.50	ES 1		1 (MADE GROUND) Reddish brown slightly 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 of sandstone and brick. Occasional rootlets. (VO = 0,0)	0.30			
			2 Soft grey mottled black sandy gravelly SILT with low cobble content. Sand is fine to medium. Gravel is subangular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded of sandstone. (VO = 5,4)	(1.10)			
1.50	ES 2		3 Soft yellowish brown mottled light grey sandy slightly gravelly SILT with medium cobble content. Sand is fine to medium. Gravel is subangular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded of sandstone. (VO = 2,2)	1.40			
			EXPLORATORY HOLE ENDS AT 2.30 m	2.30			

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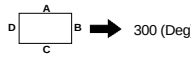
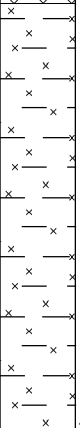
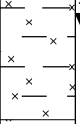
Logged JH Checked AP	Start 01/04/2015 End 01/04/2015	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 2.70m Terminated on bedrock.	Dimensions and Orientation Width 1.60 m Length 3.50 m A D B C ➔ 038 (Deg)	Ground Level Coordinates National Grid Chainage		
Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 Soft blackish brown fibrous slightly silty PEAT. (VO = 0,0)	(0.30)		
			2 Soft light grey slightly sandy slightly gravelly SILT. Sand is fine to coarse. Gravel is subangular to subrounded, fine to coarse of sandstone. (VO = 3,3)	0.30		
1.50	ES 2		3 Soft light grey slightly sandy slightly gravelly SILT with medium cobble content. Sand is fine to coarse. Gravel is subangular to subrounded, fine to coarse of sandstone. Cobbles are subrounded to well rounded of sandstone. (VO = 0,0)	1.40		
				(1.30)		
2.50	ES 3					
			EXPLORATORY HOLE ENDS AT 2.70 m	2.70		

Logged DD Checked AP	Start 06/08/2014 End 06/08/2014	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 A B C D ➡ 300 (Deg)		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) Dark grey and black occasionally red clayey gravelly medium to coarse SAND with low cobble content. Gravel is subangular to subrounded, fine to coarse of siltstone, sandstone and clinker. Cobbles are subangular to subrounded of siltstone and sandstone. (VO = 3,0)	(0.80)		
1.50	ES 2		2 Soft to firm light grey and light brown slightly sandy gravelly silty CLAY with medium cobble content. Gravel is subangular to subrounded, fine to coarse of siltstone and sandstone. Cobbles are subangular to subrounded of siltstone and sandstone. (VO = 0,0)	0.80		
2.50	ES 3			(2.00)		
			EXPLORATORY HOLE ENDS AT 2.80 m 2.80 m Sandstone bedrock	2.80		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) 1 0.50 Seepage			Depth Related Remarks * From to (m)		Stability Collapse in Faces A and C. 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 426.4818/09/2014 08:29:59			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit IP1754 Sheet 1 of 1	

Trial Pit Log

Logged DD Checked AP		Start 06/08/2014 End 06/08/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 3.7m 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
		*	1 (MADE GROUND) Dark greyish black occasionally red clayey gravelly, fine to coarse SAND with medium cobble content. Gravel is subangular to subrounded, fine to coarse of clinker and brick. Cobbles are subangular to subrounded of siltstone, sandstone, occasional brick, concrete and slag. Pockets of free product. (VO = 5,3)	(0.80)		
			2 Soft to firm grey and light brown locally stained dark bluish grey slightly sandy gravelly silty CLAY with medium cobble content. Gravel is subangular to subrounded, fine to coarse of siltstone and sandstone. Cobbles are subangular to subrounded of siltstone and sandstone. (VO = 3,5)	0.80		
			3.00-3.70 m Medium boulder content. Boulders are subangular to subrounded occasionally tabular siltstone and sandstone.	(2.90)		
			EXPLORATORY HOLE ENDS AT 3.70 m	3.70		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) 1 0.80 Seepage			Depth Related Remarks * From to (m) 0.00 3.70 No Samples Obtained.	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 IP1755 Sheet 1 of 1		

Trial Pit Log

Logged DD Checked AP		Start 06/08/2014 End 06/08/2014	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 6.50 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) Dark greyish black occasionally red slightly clayey gravelly medium to coarse SAND with medium cobble content. Gravel is angular to subangular, fine to coarse of slag, concrete, brick, clinker and occasional siltstone and sandstone. Cobbles are angular to subangular occasionally subrounded of slag, clinker and brick. Strong hydrocarbon odour. (VO = 5,3)	(1.00)		
			2 Soft to firm light grey and light brown slightly sandy gravelly silty CLAY with medium to high cobble content. Gravel is subangular to subrounded, fine to coarse of siltstone and sandstone. Cobbles are subangular to subrounded of siltstone and sandstone. Strong hydrocarbon odour. (VO = 4,4)	1.00		
			1.00-1.50 m Free product staining.			
			2.50-2.80 m Medium boulder content. Boulders are subangular to subrounded of siltstone and sandstone. 2.80 m Bedrock	2.80		
			EXPLORATORY HOLE ENDS AT 2.80 m			
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) 1 0.50 Seepage 2 2.50 Standing water with thick oily film on surface			Depth Related Remarks * From to (m) 0.00 2.80 No Samples Obtained.		Stability Collapse in Face A and C. 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 IP1756(2) Sheet 1 of 1	

Logged AW Checked AP	Start 12/09/2014 End 12/09/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 3.8m Terminated on bedrock.	Dimensions and Orientation Width 1.50 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
		*	1 (MADE GROUND) Dark brown and black silty gravelly, fine to coarse SAND moderately of ash, with low cobble content. Gravel is subangular to subrounded, fine to coarse of sandstone, concrete and clinker. Cobbles are subangular of sandstone and concrete. Moderate roots and rootlets. (VO = 2,0)	0.60		
			2 Dark grey frequently stained black clayey slightly sandy slightly gravelly SILT. Sand is fine. Gravel is subangular to subrounded, fine to coarse of sandstone. (VO = 3,2)	(1.70)		
			3 Bluish grey sandy subangular to subrounded, fine to coarse GRAVEL of sandstone with high cobble content and low boulder content. Sand is fine to coarse. Cobbles are subangular to subrounded of sandstone. Boulders are subangular tabular of sandstone. (VO = 3,4)	2.30		
			EXPLORATORY HOLE ENDS AT 3.80 m 3.80 m Sandstone bedrock.	3.80		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m)			Depth Related Remarks * From to (m)		Stability Unstable	
1 2.80 Seepage mixing with hydrocarbon product giving it an oily black sheen			0.00 3.80 No Samples Obtained		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 426.4823/01/2015 12.02:35			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit IP1757 Sheet 1 of 1	

Logged DD Checked AP		Start 06/08/2014 End 06/08/2014		Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 3.5m Terminated on bedrock		Dimensions and Orientation Width 1.50 m Length 4.50 m A B C D ➔ 250 (Deg)		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 Firm to stiff orangish brown stained dark brown mottled grey slightly gravelly CLAY. Gravel is subangular to subrounded, fine to coarse of siltstone, sandstone and occasional clinker. (VO = 2,2)				(0.80)		
			2 Soft to firm greyish brown slightly sandy gravelly silty CLAY with medium cobble content. Gravel is subangular to subrounded, fine to coarse of siltstone and sandstone. Cobbles are subangular to subrounded of siltstone and sandstone. Occasional pockets of dark grey clay with free product. (VO = 3,5)				0.80		
			3.00-3.50 m High boulder content. Boulders are subangular to subrounded occasional tabular siltstone and sandstone.				(2.70)		
			EXPLORATORY HOLE ENDS AT 3.50 m				3.50		
Depth	Type & No.	Records Date							
Groundwater Entries No. Struck Post Strike Behaviour (m) 1 0.80 Seepage			Depth Related Remarks * From to (m)				Stability Unstable - face A 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. Scale 1:25 (c) ESG www.esg.co.uk 426.4830/01/2015 13:52:58			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited				Trial Pit IP1758 Sheet 1 of 1		

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Logged AJ Checked AP	Start 13/08/2014 End 13/08/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 1.30m. Terminated on concrete.	Dimensions and Orientation Width 1.60 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
0.20	ES 1		1 (MADE GROUND) Brown clayey slightly gravelly fine to coarse SAND. Gravel is subangular to subrounded fine to coarse of sandstone and brick. Frequent roots and rootlets. Occasional pockets of black fibrous peat. (VO = 0,0)	(0.40) 0.40		
1.00	ES 2		2 (MADE GROUND) Orangish brown sandy gravelly CLAY. Sand is fine to coarse. Gravel is subangular to subrounded fine to coarse of sandstone and concrete. (VO = 0,0)	(0.90)		
			EXPLORATORY HOLE ENDS AT 1.30 m	1.30 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 426.4805/03/2015 15:45:47 			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit IP1760 Sheet 1 of 1		

Trial Pit Log

Logged SK/JC Checked AJ		Start 04/09/2014 End 04/09/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 1.90m Terminated in bedrock.	Dimensions and Orientation Width 0.80 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
0.20	ES 1		1 Greyish brown slightly gravelly, fine to coarse SAND. Gravel is subangular to subrounded, fine to coarse of sandstone. Occasional fibrous rootlets. (VO = 0,0)	(0.30)		
0.50	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)	(0.40)		
0.90	ES 3		3 Soft to firm greyish brown frequently stained grey sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is subangular to subrounded sine to coarse of sandstone. Strong hydrocarbon odour. (VO = 2,3)	(0.40)		
1.50	ES 4		4 Light greyish brown occasionally stained grey gravelly, fine to coarse SAND. Gravel is subangular to subrounded, fine to coarse of sandstone. Strong hydrocarbon odour. (VO = 1,4)	(0.70)		
			5 Weak to medium strong light grey occasionally heavily stained dark grey (oily), fine to medium grained SANDSTONE. Recovered as sandy angular to subangular, fine to coarse gravel and angular to subrounded occasionally tabular cobbles. Strong hydrocarbon odour. (VO = 3,3)	1.80 1.90		
			EXPLORATORY HOLE ENDS AT 1.90 m			
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) 1 1.80 Rose to 1.70 m after 10 minutes. Slight seepage - thick oily sheen			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 Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit IP1821 Sheet 1 of 1		

Scale 1:25

Drilled Logged DD Checked AP		Start 05/08/2014 End 05/08/2014		Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 3.0m Terminated on bedrock		Depth from to Diameter Casing Depth		Ground Level Coordinates National Grid Chainage	
Samples and Tests					Strata				
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments	
2.00	ES 1				(MADE GROUND) Black occasionally dark brown and dark grey clayey sandy angular to subangular, fine to coarse GRAVEL of siltstone, sandstone, slag, clinker and occasional brick with medium cobble and boulder content. Cobbles are angular to subangular of siltstone, sandstone, bricks, concrete and slag. Boulders are subangular of concrete. Overwhelming odour. (VO = 5,5) Soft to firm grey mottled orangish brown gravelly silty CLAY with medium cobble and boulder content. Gravel is subangular to subrounded, fine to coarse of siltstone and sandstone. Cobbles and boulders are rounded to subrounded of siltstone and sandstone. (VO = 0,2)	(1.50) 			

Trial Pit Log



Logged DD Checked AJ		Start 21/08/2014 End 21/08/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 3.0m Terminated on bedrock.	Dimensions and Orientation Width 1.50 m Length 3.50 m A B C D 090 (Deg)		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) Firm locally soft bluish grey dark grey gravelly CLAY with medium cobble content. Gravel is subangular to subrounded occasionally flat, fine to coarse of siltstone and sandstone. Cobbles are subangular to subrounded of siltstone and sandstone. Strong hydrocarbon odour. Black ash clinker and localised free product. (VO = 4,4) 2 (MADE GROUND) Firm locally soft bluish grey dark grey gravelly CLAY with medium cobble content. Gravel is subangular to subrounded occasionally flat, fine to coarse of siltstone and sandstone. Cobbles are subangular to subrounded of siltstone and sandstone. Strong hydrocarbon odour. Black ash clinker and localised free product. (VO = 4,4)			0.50 (0.50)		
			EXPLORATORY HOLE ENDS AT 3.00 m			3.00		
Groundwater Entries No. Struck Post Strike Behaviour (m) 1 2.50 Seepage			Depth Related Remarks * From to (m) 0.00 3.00 No Samples Obtained			Stability Face A collapsing 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 IP1824 Sheet 1 of 1		



Trial Pit Log

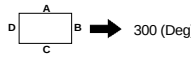
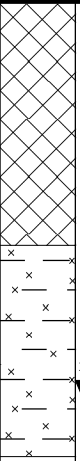
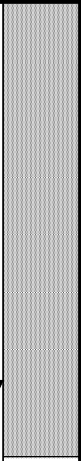
Logged AW Checked AP		Start 18/11/2014 End 18/11/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 2.4m Terminated on bedrock.	Dimensions and Orientation Width 1.50 m Length 3.00 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata	Depth, Level/ (Thickness) Legend Backfill/ Instruments		
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 Soft yellowish brown moderately stained black slightly gravelly sandy CLAY. Gravel is subangular to subrounded, fine to coarse of sandstone. Sand is fine. Occasional cobble sized pockets of fibrous peat. Rare metal rebar. (VO = 2,3)	(1.20)		
1.50	ES 2		2 Yellow gravelly slightly clayey, fine to coarse SAND with low cobble content. Gravel is subrounded, fine to coarse of sandstone. Cobbles are subrounded of sandstone. (VO = 1,1)	1.20 (1.20)		
			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 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 IP1825 Sheet 1 of 1		

Logged DD Checked AP	Start 05/08/2014 End 05/08/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 2.00m Terminated on bedrock	Dimensions and Orientation Width 1.50 m Length 4.50 m 270 (Deg)		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 reddish brown and dark grey clayey gravelly, fine to coarse SAND with medium to high cobble content. Gravel is subangular, fine to coarse of clinker. Cobbles are subangular occasionally subrounded of siltstone, sandstone, clinker and slag. (VO = 2,1)	(0.80)	
1.50	ES 2		2 Firm bluish grey mottled light orangish brown slightly sandy gravelly silty CLAY with low to medium cobble and boulder content. Gravel is subangular to subrounded, fine to coarse of siltstone and sandstone. Cobbles and boulders are subrounded of siltstone and sandstone. (VO = 0,0)	0.80 (1.20)	
			EXPLORATORY HOLE ENDS AT 2.00 m Sandstone bedrock	2.00	
Depth	Type & No.	Records Date			
Groundwater Entries No. Struck Post Strike Behaviour (m) 1 1.50 Seepage			Depth Related Remarks * From to (m)		Stability Collapse in Face A. 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 426.4818/09/2014 08:30:06			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit IP1826 Sheet 1 of 1

Trial Pit Log

[illegible]

Trial Pit Log

Logged DD Checked AP		Start 05/08/2014 End 05/08/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 1.5m Terminated due to water ingress.	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	
1.00	ES 1		1 Light reddish brown and brownish grey clayey sandy angular to subangular, fine to coarse GRAVEL with high cobble content. Cobbles are subangular occasionally subrounded of clinker, slag, occasional siltstone, sandstone and brick. (VO = 2,2)	(0.80)			
			2 Firm bluish grey mottled light orangish brown gravelly silty CLAY with medium cobble content. Gravel is subangular occasionally subrounded tabular of sandstone. Cobbles are angular tabular sandstone. Strong odour. (VO = 2,3)	0.80			
			0.50-0.80 m Dark grey black staining, oily residue (free product).				
			1.50 EXPLORATORY HOLE ENDS AT 1.50 m	1.50			
Depth	Type & No.	Records Date					
Groundwater Entries No. Struck Post Strike Behaviour (m) 1 1.30 Water ingress.			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 IP1836 Sheet 1 of 1		

Logged AJ Checked AP	Start 15/09/2014 End 15/09/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 1.6m Terminated on bedrock.	Dimensions and Orientation Width 1.60 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 Soft brown gravelly sandy CLAY with low cobble content. Gravel is subangular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded of sandstone. Occasional metal fragments. Frequent roots and rootlets. (VO = 2,1)	0.50		
			2 Soft grey mottled orange sandy gravelly CLAY with medium cobble content. Gravel is subangular to rounded, fine to coarse of sandstone. Cobbles are subangular to rounded of sandstone. Frequent cobble sized pockets of black staining. (VO = 2,1)			
1.50	ES 2			1.60		
			EXPLORATORY HOLE ENDS AT 1.60 m	1.60		
			</			

Logged AW Checked AP	Start 18/11/2014 End 18/11/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 1.3m Terminated on bedrock.	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 grey mottled orange moderately stained black sandy CLAY. Sand is fine. (VO = 2,1)	(0.80)		
1.00	ES 2		2 Greyish brown gravelly clayey, fine to coarse SAND with low cobble content. Gravel is subangular to subrounded, fine to coarse of sandstone. Cobbles are subangular tabular of sandstone. (VO = 1,1)	0.80 (0.50)		
			EXPLORATORY HOLE ENDS AT 1.30 m	1.30		

Trial Pit Log



Logged DD Checked AJ		Start 21/08/2014 End 21/08/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 3.3m Terminated on bedrock.		Dimensions and Orientation Width 1.50 m Length 3.50 m A B C 300 (Deg)		Ground Level Coordinates National Grid Chainage	
Samples and Tests			Strata					
Depth	Type & No.	Date Records	Description			Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
			1 Soft to firm bluish greyish brown slightly silty slightly gravelly CLAY. Gravel is subangular to subrounded, fine to coarse of siltstone and sandstone. Cobbles and boulders are subangular to subrounded of siltstone and sandstone. Strong hydrocarbon odour. (VO = 4,4) 0.00-0.80 m Stained dark grey localised free product. 1.50-3.30 m Gravelly with high cobble content and low to medium boulder content. 3.30 m Bedrock.			(3.30)	1	
			EXPLORATORY HOLE ENDS AT 3.30 m			3.30		
Depth	Type & No.	Records Date						
Groundwater Entries No. Struck Post Strike Behaviour (m) 1 0.50 Seepage			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. (c) ESG www.esg.co.uk 426.4806/01/2015 15:37:51 AGS			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited			Trial Pit IP1839 Sheet 1 of 1		

Trial Pit Log

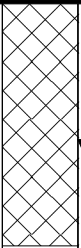
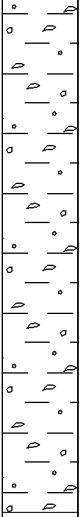


Logged DD Checked AP		Start 05/08/2014 End 05/08/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 3.00m Terminated on bedrock	Dimensions and Orientation Width 1.50 m Length 4.50 m A B C D 270 (Deg)		Ground Level Coordinates National Grid Chainage	
Samples and Tests			Strata				
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments	
1.50	ES 1		1 (MADE GROUND) Firm dark brown slightly gravelly fibrous PEAT with localised pockets of black free product. Gravel is subangular medium of limestone (subbase). Strong hydrocarbon odour. (VO = 4,4)	(0.50)			
			2 Soft to firm bluish grey mottled light orangish brown slightly sandy gravelly silty CLAY with medium cobble content. Gravel is subangular to subrounded, fine to coarse of siltstone and sandstone. Cobbles are subangular to subrounded of siltstone and sandstone. (VO = 0,0)	0.50			
2.50	ES 2		2.00-3.00 m High cobble and medium to high boulder content. Cobbles are subrounded of sandstone. Boulders are subrounded occasionally tabular sandstone.	(2.50)			
			EXPLORATORY HOLE ENDS AT 3.00 m	3.00			
Depth	Type & No.	Records Date					
Groundwater Entries No. Struck Post Strike Behaviour (m) 1 3.00 Seepage			Depth Related Remarks * From to (m)		Stability Collapse in Face A. 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 IP1840 Sheet 1 of 1		



Scale 1:25 (c) ESG www.esg.co.uk 426.4812/05/2015 10:17:11 

Trial Pit Log

Logged DD Checked AP		Start 05/08/2014 End 05/08/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 2.5m 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			
1.50	ES 1		1 (MADE GROUND) Firm brown and dark grey gravelly CLAY. Gravel is subangular to subrounded, fine to coarse of siltstone and sandstone with medium to high cobble content and medium boulder content. Cobbles are angular to subangular of bricks, concrete, siltstone and sandstone. Boulders are angular to subangular of concrete. Strong hydrocarbon odour. Free product observed. (VO = 5,4)	(0.80)		
			2 Firm to stiff bluish grey mottled light orangish brown slightly sandy slightly silty gravelly CLAY. Gravel is subangular to subrounded, fine to coarse of siltstone and sandstone. (VO = 3,4)	(1.70)		
			2.00-2.50 m High cobble content and low to medium boulder content. Cobbles and boulders are subangular occasionally subrounded occasionally tabular of siltstone and sandstone. 2.50 m Bedrock	2.50		
			EXPLORATORY HOLE ENDS AT 2.50 m			
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) 1 0.50 Seepage			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 426.4807/11/2014 12:21:22 			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit IP1842 Sheet 1 of 1	

Trial Pit Log



Logged DD Checked AJ		Start 21/08/2014 End 21/08/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 3.5m Terminated on bedrock	Dimensions and Orientation Width 1.50 m Length 3.50 m A B C 090 (Deg)		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 Firm to stiff brown gravelly CLAY. Gravel is subangular to subrounded, fine to coarse of siltstone and sandstone. (VO = 0,0)	(0.60)			
			2 Soft to firm bluish grey silty gravelly CLAY with low boulder content. Gravel is subangular to subrounded, fine to coarse of siltstone and sandstone. Boulders are subangular of concrete. (VO = 4,4)	0.60 (0.70)			
			3 Firm brown gravelly CLAY with medium cobble content. Gravel is subangular to subrounded, fine to coarse of siltstone and sandstone.	1.30 (1.20)			
			4 Bluish grey clayey sandy subangular to subrounded GRAVEL with high cobble content and medium boulder content. Cobble sand boulders are subangular to subrounded of siltstone and sandstone. (VO = 4,4)	2.50 (1.00)			
			EXPLORATORY HOLE ENDS AT 3.50 m	3.50			
Depth	Type & No.	Records Date					
Groundwater Entries No. Struck Post Strike Behaviour (m) 1 2.50 Seepage			Depth Related Remarks * From to (m)			Stability Collapse 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 IP1843 Sheet 1 of 1	



Trial Pit Log



Logged JH Checked AP		Start 23/03/2015 End 23/03/2015	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 2.70m. Terminated on bedrock.	Dimensions and Orientation Width 1.60 m Length 3.50 m A B C D ➔ 338 (Deg)		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 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 subrounded to well rounded of sandstone. (VO = 2,2)			(1.80)		
1.50	ES 2					1.80		
2.50	ES 3		2 Soft grey slightly sandy gravelly SILT with medium cobble content. Sand is fine to coarse. Gravel is subangular to subrounded, fine to coarse of sandstone. Cobbles are subrounded to well rounded of sandstone. (VO= 0,0)			(0.90)		
			EXPLORATORY HOLE ENDS AT 2.70 m			2.70		
			2.70 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 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 IP1844 Sheet 1 of 1		



Trial Pit Log

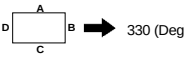
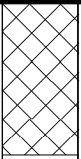
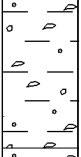
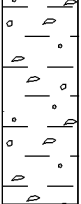
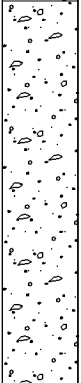


Logged JH Checked AP		Start 31/03/2015 End 31/03/2015		Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 3.20m. Terminated on bedrock.		Dimensions and Orientation Width 1.60 m Length 3.50 m A B C D		Ground Level Coordinates National Grid Chainage	
Samples and Tests			Strata						
Depth	Type & No.	Date Records	Description			Depth, Level/ (Thickness)	Legend	Backfill/ Instruments	
0.50	ES 1		1 Soft orangish brown slightly sandy gravelly SILT with low cobbel content. Sand is fine to coarse. Gravel is subangular to subrounded, fine to coarse of sandstone. Cobbles are subrounded to well rounded of sandstone. (VO = 2,2)			(3.20)			
1.50	ES 2								
2.50	ES 3								
			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 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 426.4814/04/2015 11:45:26 AGS			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited			Trial Pit IP1845 Sheet 1 of 1			

Trial Pit Log

Logged SK/JC Checked AJ		Start 04/09/2014 End 04/09/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 2.40m Terminated due to collapse.	Dimensions and Orientation Width 0.80 m Length 4.50 m  050 (Deg)	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 Greyish brown silty slightly gravelly, fine to coarse SAND with frequent fibrous rootlets. (VO = 0,0)	(0.30)		
0.50	ES 2		2 Soft to firm orangish brown sandy slightly gravelly CLAY. Gravel is subangular to subrounded, fine to coarse of sandstone. (VO = 0,0)	0.30 (0.80)		
1.50	ES 3		3 Firm to stiff brown mottled light grey frequently stained grey sandy gravelly CLAY with low cobble content. Gravel is angular to subrounded, fine to coarse of sandstone. Cobbles are angular to subrounded of sandstone. Strong hydrocarbon odour. (VO = 2,3)	1.10 (0.50)		
2.00	ES 4		4 Light greyish brown occasionally stained grey and occasionally heavy oil staining (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. Strong hydrocarbon odour. (VO = 3,4)	1.60 (0.80)		
			EXPLORATORY HOLE ENDS AT 2.40 m	2.40		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour 1 2.30 Slight seepages thick brown oily sheen on surface.			Depth Related Remarks * From to (m)	Stability Collapse below 0.30m 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 Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit IP1846 Sheet 1 of 1		

Trial Pit Log

Logged SK/JC Checked AJ		Start 04/09/2014 End 04/09/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 3.70m Terminated due to contamination.	Dimensions and Orientation Width 0.80 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
0.40	ES 1		1 (MADE GROUND) Dark greyish brown silty gravelly, fine to coarse SAND. Gravel is angular to subrounded, fine to coarse of sandstone. 2 no concrete boulders (VO = 0,0)	(0.50)		
0.80	ES 2		2 Soft to firm orangish brown mottled light grey occasionally stained grey sandy slightly gravelly CLAY. Gravel is subangular to subrounded, fine to coarse of sandstone. Faint hydrocarbon odour. (VO = 1,1)	(0.50)		
1.50	ES 3		3 Stiff brown mottled light grey occasionally stained grey sandy gravelly CLAY. Gravel is angular to subrounded, fine to coarse. Distinct hydrocarbon odour. (VO = 1,2)	(0.70)		
2.50	ES 4		4 Light greyish brown occasionally stained grey slightly silty gravelly, fine to coarse (predominantly fine to medium) SAND with low cobble content. Cobbles are subangular to subrounded of sandstone. Strong hydrocarbon odour. (VO = 1,4)	(1.30)		
3.50	ES 5		5 Light greyish brown with an oily sheen SAND and GRAVEL. Sand is fine to coarse. Gravel is angular to subrounded, fine to coarse of sandstone. (VO = 4,3)	(0.70)		
			EXPLORATORY HOLE ENDS AT 3.70 m	3.70		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour 1 3.70 Rose to 3.50 m after 10 minutes. Seepage - visible free product in water. Very thick oily layer on surface.			Depth Related Remarks * From to (m)		Stability Slight collapse below 1.70m 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.			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit IP1847 Sheet 1 of 1	

Trial Pit Log

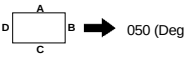
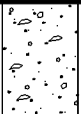
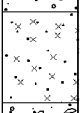
Logged LF Checked AP		Start 04/08/2014 End 04/08/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 3.1m Terminated on bedrock	Dimensions and Orientation Width 1.60 m Length 3.40 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata	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 sandy silty angular to subangular, fine to coarse GRAVEL of sandstone, clinker and brick. Sand is fine to coarse of ash. (VO = 0,0)	(0.90)		
1.50	ES 2		2 Soft orangish brown slightly gravelly sandy CLAY. Gravel is angular to subangular, fine to coarse of sandstone. Sand is fine. Rare slight hydrocarbon odour. (VO = 0,1)	0.90 (0.80)		
2.50	ES 3		3 Grey slightly silty SAND and GRAVEL. Gravel is angular to subangular, fine to coarse of sandstone. Sand is fine. Strong hydrocarbon odour. Heavy staining. (VO = 3,4)	1.70 (1.40)		
			EXPLORATORY HOLE ENDS AT 3.10 m	3.10		
			3.10 m Weathered 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 (c) ESG www.esg.co.uk 426.4811/09/2014 12:57:23			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit IP1848 Sheet 1 of 1		

Trial Pit Log



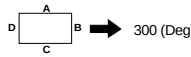
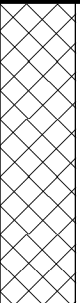
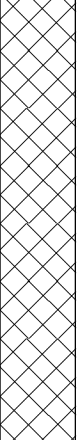
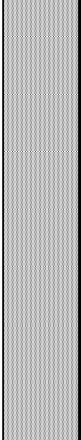
Logged LF Checked AP		Start 04/08/2014 End 04/08/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 3.3m Terminated on bedrock	Dimensions and Orientation Width 1.60 m Length 3.30 m A B C D → 310 (Deg)		Ground Level Coordinates National Grid Chainage	
Samples and Tests			Strata				
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments	
0.50	ES 1		1 Orangish brown slightly gravelly clayey fine SAND. Gravel is angular to subrounded, fine to coarse of sandstone. (VO = 0,0)	(1.50)			
1.60	ES 2		2 Soft grey mottled brown occasionally hydrocarbon stained sightly gravelly sandy CLAY. Gravel is angular to subangular, fine to coarse of sandstone. Sand is fine. Distinct hydrocarbon odour. (VO = 1,2)	1.50 (1.10)			
2.60	ES 3		3 Grey heavily stained at 3.00m slightly silty SAND and GRAVEL. Gravel is angular to subangular, fine to coarse of sandstone and siltstone. Sand is fine. Strong hydrocarbon odour. (VO = 3,4)	2.60 (0.70)			
3.30	ES 4		EXPLORATORY HOLE ENDS AT 3.30 m 3.30 m Weathered 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 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 426.4811/09/2014 12:57:43			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited			Trial Pit IP1905 Sheet 1 of 1	

Trial Pit Log

Logged SK/JC Checked AJ		Start 04/09/2014 End 04/09/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 3.30m Terminated due to collapse and contamination.	Dimensions and Orientation Width 0.80 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 Dark brownish grey slightly silty slightly gravelly, fine to coarse SAND with frequent fibrous rootlets. Gravel is subangular to subrounded, fine to coarse of sandstone. (VO = 0,0)	(0.40)			
0.60	ES 2		2 Brown frequently discoloured grey fine sandy SILT. Strong hydrocarbon odour. (VO = 2,3)	0.40 (0.30)			
1.50	ES 3		3 Light grey frequently discoloured grey silty SAND and GRAVEL. Sand is fine to coarse. Gravel is subangular to subrounded, fine to coarse of sandstone with overwhelming (sweet) hydrocarbon odour. (VO = 2,5)	0.70 (1.40)			
2.50	ES 4		4 Light brown occasionally stained grey SAND and GRAVEL with low cobble content. Sand is fine to coarse. Gravel is angular to subrounded, fine to coarse. Strong hydrocarbon odour. (VO = 1,4)	2.10 (1.20)			
			EXPLORATORY HOLE ENDS AT 3.30 m	3.30			
Depth	Type & No.	Records Date					
Groundwater Entries No. Struck Post Strike Behaviour (m) 1 3.30 Rose to 3.20 m after 10 minutes. Seepage - thick oily sheen on surface.			Depth Related Remarks * From to (m)	Stability Collapse from 2.10m Shoring None Weather Sunny spells, 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 426.4805/01/2015 13:54:18 			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit IP1906 Sheet 1 of 1			

Logged NK Checked AP		Start 26/02/2015 End 26/02/2015	Equipment, Methods and Remarks komatsu PC210 Machine excavated trial pit from GL to 2.40m. Terminated on bedrock.	Dimensions and Orientation Width 1.00 m Length 2.50 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 Stiff bluish grey mottled orange slightly sandy slightly gravelly CLAY. Sand is fine to medium. Gravel is subangular to subrounded, fine to coarse of sandstone. (VO = 3,1)			(0.60)		
			2 Firm brown mottled light grey and orange slightly sandy gravelly SILT with medium cobble content. Sand is fine to medium. Gravel is subangular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded of sandstone. (VO = 2,1)			0.60		
1.50	ES 2					(1.80)		
			EXPLORATORY HOLE ENDS AT 2.40 m			2.40		

Trial Pit Log

Logged DD Checked AP		Start 05/08/2014 End 05/08/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 2.5m Terminated on bedrock.	Dimensions and Orientation Width 1.50 m Length 7.50 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) Firm locally soft grey and dark grey mottled light orangish brown slightly sandy gravelly silty CLAY with medium cobble content and low boulder content. Gravel is angular to subangular occasionally subrounded, fine to coarse of siltstone, sandstone and occasional brick. Cobbles are angular to subangular occasionally subrounded of siltstone, sandstone occasional brick and occasional slag. Boulders are subangular to subrounded of sandstone. (VO = 3,3)	(1.00)		
1.50	ES 2		2 (MADE GROUND) Firm locally soft bluish grey mottled light orangish brown slightly sandy gravelly silty CLAY with medium cobble content and low boulder content. Gravel is angular to subangular occasionally subrounded, fine to coarse of siltstone, sandstone and occasional brick. Cobbles are angular to subangular occasionally subrounded of siltstone, sandstone occasional brick and occasional slag. Boulders are subangular to subrounded of sandstone. (VO = 3,3)	(1.50)		
			EXPLORATORY HOLE ENDS AT 2.50 m 2.50 m Bedrock	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 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 IP1908 Sheet 1 of 1		

Trial Pit Log



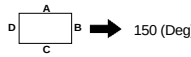
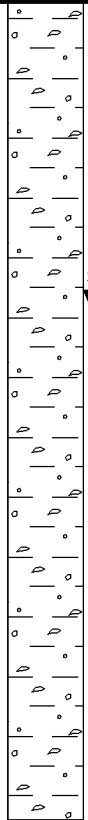
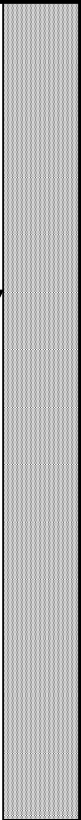
Logged DD Checked AP		Start 04/08/2014 End 04/08/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 3.3m Terminated on bedrock	Dimensions and Orientation Width 1.50 m Length 4.50 m A B C D 270 (Deg)		Ground Level Coordinates National Grid Chainage	
Samples and Tests			Strata				
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments	
0.50	ES 1		1 Soft brown slightly sandy gravelly CLAY with medium cobble content. Gravel is subangular to subrounded, fine to coarse of siltstone and sandstone. Cobbles are subangular to subrounded of siltstone and sandstone. (VO = 1,0)	(0.80)			
1.50	ES 2		2 Firm light orangish brown mottled grey slightly sandy gravelly CLAY with low to medium cobble content. Gravel is subangular to subrounded occasionally tabular of siltstone and sandstone. Cobbles are subangular to subrounded occasionally tabular of siltstone and sandstone. (VO = 0,0)	0.80			
2.50	ES 3			(2.50)			
			3.00-3.30 m High cobble and boulder content of sandstone.	3.30			
			EXPLORATORY HOLE ENDS AT 3.30 m	3.30 m Bedrock			
Depth	Type & No.	Records Date					
Groundwater Entries No. Struck Post Strike Behaviour (m) 1 0.80 Seepage			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 426.4812/05/2015 10:17:18			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit IP1909 Sheet 1 of 1		

Trial Pit Log



Logged AJ Checked AP		Start 15/09/2014 End 15/09/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 2.2m Terminated on bedrock.	Dimensions and Orientation Width 1.60 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 pseudo fibrous PEAT . (VO = 1,0) 0.00-0.10 m Concrete paving slab.		(0.50)			
			2 Soft to firm grey mottled orange sandy gravelly CLAY with low cobble content. Gravel is subangular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded of sandstone. (VO = 2,1)		0.50			
1.50	ES 2		3 Light brown gravelly, fine to coarse SAND with high cobble content. Gravel is subangular to subrounded, fine to coarse frequently tabular of sandstone. Cobbles are subangular to subrounded frequently tabular of sandstone. (VO = 0,0)		1.20			
					1.70			
2.20	ES 3		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) 1 0.70 Fast inflow from Face A			Depth Related Remarks * From to (m)			Stability Stable Shoring None Weather Sun		
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 11:18:42			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited			Trial Pit IP1910 Sheet 1 of 1		

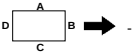
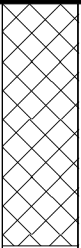
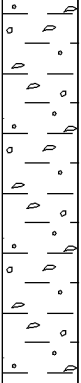
Trial Pit Log

Logged DD Checked AP		Start 05/08/2014 End 05/08/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 2.7m 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
0.50	ES 1		1 Firm locally soft light orangish brown mottled grey slightly sandy slightly silty gravelly CLAY with low to medium cobble content. Gravel is angular to subangular occasionally tabular, fine to coarse of siltstone and sandstone. Cobbles are angular to subangular occasionally tabular of silstone and sandstone. (VO = 0,0)	(2.70)		
1.50	ES 2					
			EXPLORATORY HOLE ENDS AT 2.70 m	2.70		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) 1 1.00 Seepage			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 IP1911 Sheet 1 of 1	

Scale 1:25 (c) ESG www.esg.co.uk 426.4817/03/2015 09:59:45 

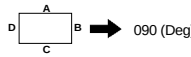
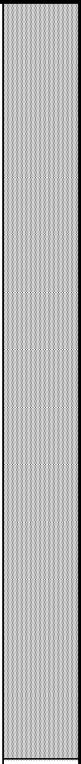
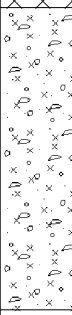
Trial Pit Log



Logged AJ Checked AP		Start 15/09/2014 End 15/09/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 2.4m Terminated on bedrock.	Dimensions and Orientation Width 1.60 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) Brown 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 of sandstone and brick. Occasional boulder sized pockets of black clinker. (VO = 1,1)	(0.80)			
1.50	ES 2		2 Soft grey mottled orange sandy slightly gravelly CLAY with low cobble content. Gravel is subangular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded of sandstone. (VO = 1,1)	0.80 (1.30)			
2.40	ES 3		3 Brown gravelly, fine to coarse SAND with high cobble content. Gravel is subangular to rounded, fine to coarse frequently tabular. Cobbles are subangular to rounded frequently tabular. (VO = 1,1) EXPLORATORY HOLE ENDS AT 2.40 m	2.10 (0.30) 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 Sun		
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 IP1919 Sheet 1 of 1		



Trial Pit Log

Logged DD Checked AP	Start 05/08/2014 End 05/08/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 2.5m 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
0.50	ES 1		1 (MADE GROUND) Soft dark brown clayey spongy pseudo PEAT with medium and high cobble content and high boulder content. Cobbles are angular to subangular, fine to coarse of bricks and concrete. Boulders are subangular of concrete. (VO = 2,2)	(1.50)		
1.50	ES 2		2 Light grey becoming orangish brown clayey slightly sandy gravelly SILT with low to medium cobble content. Gravel is angular to subangular occasionally tabular, fine to coarse of siltstone and sandstone. Cobbles are angular to subangular occasionally tabular of siltstone and sandstone. (VO = 0,0)	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)			Depth Related Remarks * From to (m)		Stability Localised collapse 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 IP1920 Sheet 1 of 1	

Logged DD Checked AP	Start 04/08/2014 End 04/08/2014	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 A B C D 270 (Deg)		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 locally stiff brown slightly sandy gravelly CLAY with high cobble and boulder content. Gravel is angular to subrounded, fine to coarse of siltstone, sandstone, ironstone, brick and concrete. Cobbles and boulders are subangular of sandstone and concrete. (VO = 1,0)	(1.50)		
1.50	ES 2		2 Soft to firm grey mottled orangish brown slightly gravelly CLAY. Gravel is subangular to subrounded, fine to coarse of siltstone. (VO = 0,0)	1.50 (1.30)		
			2.50-2.80 m High cobble and medium boulder content. Cobbles and boulders are angular of sandstone. 2.80 m Sandstone bedrock	2.80		
			EXPLORATORY HOLE ENDS AT 2.80 m			
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) 1 1.50 Seepage			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 426.4812/05/2015 10:17:22			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit IP1921 Sheet 1 of 1	

Trial Pit Log

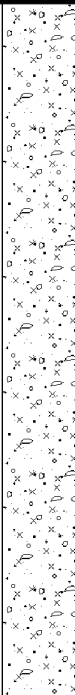


Logged DD Checked AP		Start 04/08/2014 End 04/08/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 3.5m Terminated on bedrock	Dimensions and Orientation Width 1.50 m Length 3.50 m A B C 270 (Deg)		Ground Level Coordinates National Grid Chainage	
Samples and Tests			Strata				
Depth	Type & No.	Date Records	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments	
1.50	ES 1		1 Brown clayey sandy angular to subangular occasionally subrounded, fine to coarse GRAVEL with medium cobble content of siltstone, sandstone and occasional limestone. (VO = 0,0)	(0.50)			
			2 Firm locally soft light orangish brown mottled light grey slightly sandy slightly silty gravelly CLAY with low cobble content. Gravel is subangular to subrounded, fine to coarse of siltstone and sandstone. Cobbles are subangular to subrounded of siltstone and sandstone. (VO = 0,0)	0.50			
2.50	ES 2		3 Light brown grey sandy gravelly SILT with high cobble content and low boulder content. Gravel is angular to subangular, fine to coarse of sandstone. Cobbles and boulders are subangular of sandstone. (VO = 0,0)	2.20			
			EXPLORATORY HOLE ENDS AT 3.50 m	3.50			
Depth	Type & No.	Records Date					
Groundwater Entries No. Struck Post Strike Behaviour (m) 1 2.20 Seepage			Depth Related Remarks * From to (m)		Stability Slight 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.			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit IP1922 Sheet 1 of 1		



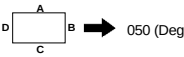
[illegible]

Logged DD Checked AJ		Start 21/08/2014 End 21/08/2014		Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 2.6m Terminated on bedrock.		Dimensions and Orientation Width 1.50 m Length 3.50 m A B C D E F 280 (Deg)		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 Soft brownish dark brown oragnic CLAY and PEAT. (Topsoil) (VO = 0,0)					0.40 (0.70)			
			2 Soft to firm bluish grey slightly silty sandy gravelly CLAY with low to medium cobble content. Gravel is subangular to subrounded, fine to coarse of siltstone and sandstone. Cobbles are subangular to subrounded of siltstone and sandstone. (VO = 2,3)								
			3 Brown greyish light brown clayey slightly silty sandy angular to subrounded GRAVEL of siltstone and sandstone with high cobble content and medium to high boulder content. Cobbles and boulders are subrounded of sandstone. (VO = 0,0)								
2.00	ES 2		EXPLOATORY HOLE ENDS AT 2.60 m					2.60			

Logged JH Checked AP	Start 23/03/2015 End 23/03/2015	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 2.30m. Terminated on bedrock.	Dimensions and Orientation Width 2.00 m Length 3.50 m A D C B ➔ 350 (Deg)		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 Firm grey slightly sandy gravelly SILT. Gravel is subangular to subrounded fine to coarse of sandstone with medium cobble content. Sand is fine to coarse. (VO = 1,1)	(2.30)		
1.50	ES 2					
			EXPLOATORY 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 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 426.4815/04/2015 13:46:14 			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit IP1925 Sheet 1 of 1	

Logged JH Checked AP	Start 31/03/2015 End 31/03/2015	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 2.40m. Terminated on bedrock.	Dimensions and Orientation Width 1.60 m Length 3.50 m A B C D ➡ 036 (Deg)		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 brownish grey slightly sandy CLAY. Sand is fine to coarse. (VO = 0,0)	(1.10)		
1.50	ES 2		2 Firm grey slightly sandy gravelly SILT with medium cobble content. Gravel is subangular to subrounded, fine to coarse of sandstone. Cobbles are subrounded to well rounded of sandstone. (VO = 2,1)	1.10 (1.30)		
			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 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 426.4814/04/2015 11:46:00 AGS			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited			Trial Pit IP1926 Sheet 1 of 1

Trial Pit Log

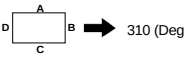
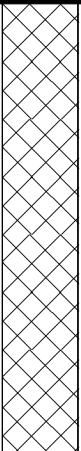
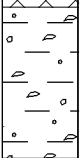
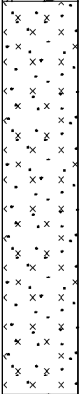
Logged SK/JC Checked AJ		Start 04/09/2014 End 04/09/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 1.50m Oil on surface before commencement of pit. Unable to progress past cobbles and boulders.	Dimensions and Orientation Width 1.70 m Length 4.00 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments
0.20	ES 1		1 Brown frequently stained grey sandy subrounded gravelly CLAY. Faint hydrocarbon odour. (VO = 2,1)	(0.30)		
0.40	ES 2		2 Soft light brown occasionally stained grey sandy CLAY. Strong hydrocarbon odour. (VO = 1,4)	0.30 (0.40)		
1.00	ES 3		3 Stiff to very stiff sandy gravelly CLAY. Gravel is angular to subrounded, fine to coarse of sandstone. Faint hydrocarbon odour. (VO = 0,1)	0.70 (0.70)		
1.45	ES 4		4 Brownish grey SAND and GRAVEL with low to medium cobble content. Sand is fine to coarse. Gravel is angular to subangular of sandstone. Distinct hydrocarbon odour. (VO = 0,2)	1.40 1.50		
			EXPLORATORY HOLE ENDS AT 1.50 m			
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) 1 1.50 Trace			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 426.4806/01/2015 15:38:05 			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit IP1927 Sheet 1 of 1	

Logged SK/JC Checked AJ		Start 04/09/2014 End 04/09/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 2.80m Terminated due to collapse and contaminated water.	Dimensions and Orientation Width 1.10 m Length 4.10 m A B C 190 (Deg)		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 Soft brown occasionally stained grey sandy slightly gravelly CLAY. Gravel is subangular to subrounded, fine to coarse of sandstone. Faint hydrocarbon odour. (VO = 1,1)	(0.50)			
0.50	ES 2		2 Soft greyish brown frequently stained grey sandy gravelly CLAY with low cobble content. Strong hydrocarbon odour. (VO = 2,4)	0.50 0.70			
1.50	ES 3		3 Light grey occasionally stained grey silty SAND and GRAVEL with low to medium cobble content and low boulder content. Sand is fine to coarse. Gravel is angular to subrounded, fine to coarse. Overwhelming hydrocarbon odour. (VO = 1,5)	(2.10)			
2.50	ES 4		2.00 m Without silt. Medium cobble content and low to medium boulder content. (VO = 1,5) 2.35 m Locally (VO = 5,4)				
			EXPLORATORY HOLE ENDS AT 2.80 m	2.80			
Depth	Type & No.	Records Date					
Groundwater Entries No. Struck Post Strike Behaviour (m) 1 2.80 Rose to 2.35 m after 15 minutes. Seepages with collapse free product visible in water thick oily sheen			Depth Related Remarks * From to (m)		Stability Collapses below 2.00m Shoring None Weather Sunny spells, slight		
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 426.4806/01/2015 15:38:08			Project Coed Darcy Site-wide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit IP1928 Sheet 1 of 1		

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426.4807/04/2015 11:34:55 

Trial Pit Log

Logged LF Checked AP		Start 04/08/2014 End 04/08/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 3.3m Terminated on bedrock	Dimensions and Orientation Width 1.60 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			
0.50	ES 1		1 (MADE GROUND) Brown sandy clayey angular to subrounded, fine to coarse GRAVEL of sandstone and brick. Sand is fine to medium. (VO = 0,0)	(1.50)		
1.50	ES 2		2 Stiff grey mottled brown sandy slightly gravelly CLAY. Gravel is angular to subangular, fine to coarse of sandstone. Sand is fine. Rare slight hydrocarbon odour. (VO = 0,1)	1.50 (0.50)		
2.50	ES 3		3 Grey heavily stained gravelly slightly silty fine SAND. Gravel is angular to subangular, fine to coarse of sandstone. Strong hydrocarbon odour. (VO = 3,4)	2.00 (1.30)		
3.30	ES 4		EXPLORATORY HOLE ENDS AT 3.30 m 3.30 m Weathered 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 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 426.4811/09/2014 12:57:50 			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit IP1931 Sheet 1 of 1		

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Logged A/W Checked A/P		Start 15/09/2014 End 15/09/2014		Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 3.4m Terminated on bedrock.		Dimensions and Orientation Width 1.50 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) Greyish brown and occasional black slightly sandy slightly gravelly SILT with low cobble content. Sand is fine to coarse frequently of ash. Gravel is subangular to subrounded, fine to coarse of sandstone, ash and brick. Cobbles are subangular of brick. Frequent roots and rootlets. (VO = 2,0)		(1.00)					
1.50		ES 2				2 (MADE GROUND) Grey mottled orange, occasionally stained black sandy gravelly SILT with medium cobble content. Sand is fine. Gravel is subangular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded of sandstone and brick.		1.00 (1.30)					
2.50		ES 3				3 Bluish grey frequently stained black 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 subangular to subrounded, fine to coarse of sandstone. Boulders are subangular tabular of sandstone. (VO = 3,2)		2.30 (1.10)					
						EXPLORATORY HOLE ENDS AT 3.40 m		3.40				1	
Depth		Type & No.		Records Date									
Groundwater Entries No. Struck Post Strike Behaviour (m) 1 3.40 Seepage mixing with hydrocarbon product leaving an oily sheen on surface.						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 426.4804/02/2015 11:18:57						Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited						Trial Pit IP1993 Sheet 1 of 1	

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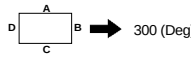
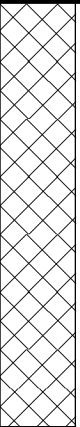
Trial Pit Log

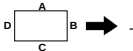


Logged SK/JC Checked AJon		Start 03/09/2014 End 03/09/2014		Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 1.80 Terminated due to water and free product.		Dimensions and Orientation Width 1.70 m Length 3.80 m A B C D 344 (Deg)		Ground Level Coordinates National Grid Chainage		- - -
Samples and Tests			Strata							
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments				
0.20	ES 1		1 (MADE GROUND) Orangish brown frequently stained grey and dark grey, silty slightly gravelly, fine to coarse SAND including ash. Gravel is angular to subrounded, fine to coarse of sandstone and occasional cinder. (VO = 2, 0)	(0.30)						
1.00	ES 2		2 Very soft to soft light grey sandy slightly gravelly slightly clayey SILT. Overwhelming hydrocarbon odour. (VO= 0, 5)	(1.00)						
1.50	ES 3		3 Stiff brown, occasionally stained grey, sandy slightly gravelly CLAY. Gravel is angular to subangular, fine to coarse of sandstone. Distinct hydrocarbon odour. (VO = 1,2)	(0.50)						
			EXPLORATORY HOLE ENDS AT 1.80 m	1.80						
			1.70 m Frequent cobble size pockets of dark brown sand and gravel with visible free product. Strong hydrocarbon odour. (VO = 5,3)							
Depth	Type & No.	Records Date								
Groundwater Entries No. Struck Post Strike Behaviour (m)			Depth Related Remarks * From to (m)			Stability Stable				
1 1.80 Rose to 1.70 m after 5 minutes. Water containing free product (oil).						Shoring None Weather Sunny spoells, 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 426.4806/01/2015 15:38:29			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited			Trial Pit IP1995 Sheet 1 of 1				

Scale 1:25

Trial Pit Log

Logged DD Checked AP		Start 05/08/2014 End 05/08/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 2.3m 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	
0.50	ES 1		1 (MADE GROUND) Soft to firm dark brown fibrous PEAT with medium to high cobble content and low boulder content. Cobbles are angular to subangular of brick. Boulders are angular to subangular of concrete. Localised pockets of black oily free product. (VO = 5,0)	(1.40)			
1.50	ES 2		2 Soft to firm bluish grey mottled light orangish brown gravelly silty CLAY with medium cobble content. Gravel is angular tabular, fine to coarse of sandstone. Cobbles are angular flat of sandstone. (VO = 0,0)	1.40 (0.90)			
			EXPLORATORY HOLE ENDS AT 2.30 m	2.30 2.30 m Sandstone bedrock			
Depth	Type & No.	Records Date					
Groundwater Entries No. Struck Post Strike Behaviour (m) 1 2.00 Seepage			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 IP1998 Sheet 1 of 1		

Logged ON	Start 18/11/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 1.7m Terminated on bedrock.	Dimensions and Orientation Width 1.00 m Length 4.00 m		Ground Level - Coordinates - National Grid - Chainage -
Checked AP	End 18/11/2014				
Samples and Tests			Strata		
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend
0.50	ES 1		1 Very soft sandy CLAY with medium cobble content. Gravel is subangular to subrounded, fine to coarse of sandstone. Sand is coarse. Cobbles are subangular to subrounded. (VO = 2,2)	(1.00)	
1.50	ES 2		2 Soft brown gravelly clayey fine to coarse SAND. Gravel is subangular, fine to coarse of sandstone. (VO = 2,2)	1.00 (0.70)	
			EXPLORATORY HOLE ENDS AT 1.70 m	1.70	
Depth	Type & No.	Records Date			
Groundwater Entries No. Struck Post Strike Behaviour (m) 1 1.20 Water ingress			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 426.4809/01/2015 15:16:53			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit IP1999 Sheet 1 of 1

Trial Pit Log

Logged ON Checked AP		Start 18/11/2014 End 18/11/2014		Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 2.6m Terminated on bedrock.		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/ Instruments
0.50	ES 1		1 Firm greyish brown gravelly sandy CLAY with traces of fibrous peat. Gravel is subangular to subrounded, fine to coarse of sandstone. Sand is fine to coarse. (VO = 2,1)					(1.00)		
1.50	ES 2		2 Brown clayey gravelly, fine to coarse SAND. Gravel is subangular, fine to coarse of sandstone. (VO = 1,1)					1.00 (1.60)		
2.50	ES 3									
			EXPLORATORY HOLE ENDS AT 2.60 m					2.60		
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 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 426.4807/01/2015 16:05:58 ESG			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited					Trial Pit IP2000 Sheet 1 of 1		

Trial Pit Log

Logged AW Checked AP		Start 18/11/2014 End 18/11/2014	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 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 (MADE GROUND) Dark brown moderately stained black gravelly sandy SILT with low cobble content. Gravel is subangular to subrounded, fine to coarse of sandstone and occasional brick and concrete. Sand is fine to coarse. Cobbles are subangular to subrounded of sandstone and occasional concrete. Moderate roots and rootlets. (VO = 3,3)	(1.00)		
1.50	ES 2		2 Soft to firm grey frequently stained black sandy CLAY. Sand is fine. Visible free product. (VO = 5,4)	(1.00)		
2.50	ES 3		3 Yellow occasionally stained black gravelly clayey, fine to coarse SAND. Gravel is subangular to subrounded, fine to coarse of sandstone. (VO = 2,1)	(0.80)		
			EXPLORATORY HOLE ENDS AT 2.80 m	2.80		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) 1 1.80 Seepage, heavily stained black with hydrocarbons.			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 426.4807/01/2015 16:06:00			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit IP2002 Sheet 1 of 1		

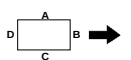
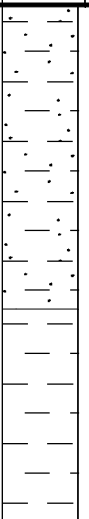
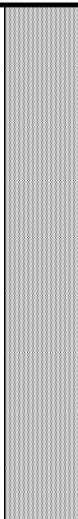
Logged AW Checked AP	Start 18/11/2014 End 18/11/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 2.5m Terminated on bedrock.	Dimensions and Orientation Width 1.50 m Length 3.00 m A B C D E	Ground Level Coordinates National Grid Chainage		
Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 Dark brown fibrous PEAT. (VO = 3,3)	0.60		
			2 Soft to firm light grey slightly gravelly sandy CLAY. Gravel is subangular to subrounded, fine to coarse of sandstone. Sand is fine to coarse. (VO = 1,1)			
1.50	ES 2		3 Orangish brown gravelly slightly clayey, fine to coarse SAND with low cobble content. Gravel is subangular to subrounded, fine to coarse of sandstone. Cobbles are subrounded of sandstone. (VO = 1,1)	1.70		
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) 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 426.4814/04/2015 11:46:12 			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit IP2003 Sheet 1 of 1		

Trial Pit Log



Logged ON Checked AP		Start 18/11/2014 End 18/11/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 1.8m Terminated due to water ingress.	Dimensions and Orientation Width 1.50 m Length 4.50 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 Soft grey gravelly sandy organic CLAY with low cobble content. Gravel is subangular to subrounded, fine to coarse of sandstone. Sand is fine to coarse. Cobbles are subangular to subrounded. (VO = 1,0)	0.30 (0.30)		
1.50	ES 2		2 Soft grey gravelly sandy CLAY with high cobble content. Gravel is subangular to subrounded, fine to coarse. Sand is fine to coarse. Cobbles are subangular to subrounded. (VO = 4,4)	1.50 (1.50)		
EXPLORATORY HOLE ENDS AT 1.80 m				1.80		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) 1 1.80 Seepage, observed traces of oil sheens.			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 426.4809/01/2015 15:16:58			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit IP2004 Sheet 1 of 1	

Logged ON Checked AP	Start 18/11/2014 End 18/11/2014	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 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 Multi-coloured sandy gravelly CLAY with high cobble content. Gravel is subangular to subrounded, fine to coarse of sandstone. Sand is fine to coarse. Cobbles are subangular to subrounded of sandstone. (VO = 1,3)	0.30 (0.30)		
			2 Dark brown clayey PEAT with frequent pockets of grey sandy clay. Sand is fine to coarse. (VO = 2,2)	(0.60)		
1.50	ES 2		3 Greyish brown sandy gravelly CLAY. Gravel is subangular to subrounded, fine to coarse of sandstone. Sand is fine to coarse. Rare inclusions of peat. (VO = 4,3)	0.90 (2.10)		
2.50	ES 3					
			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.			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit IP2005 Sheet 1 of 1		

Logged ON	Start 18/11/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 1.7m 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 Multi-coloured sandy CLAY with high cobble content. Gravel is subangular to subrounded, fine to coarse of sandstone. Sand is fine to coarse. Cobbles are subangular to subrounded of sandstone. (VO = 0,0)	(1.00)	 
1.50	ES 2		2 Firm to stiff dark brown peaty CLAY. Peat is fibrous. (VO = 0,0)	1.00 (0.70)	
			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 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			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit IP2006 Sheet 1 of 1

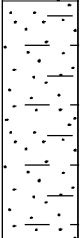
Trial Pit Log



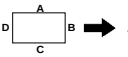
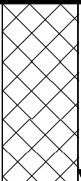
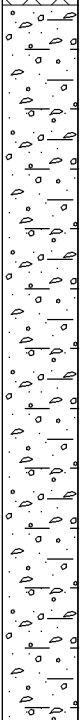
Logged AW Checked AP		Start 18/11/2014 End 18/11/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 2.5m Terminated on bedrock.	Dimensions and Orientation Width 1.50 m Length 3.00 m A B C D		Ground Level Coordinates National Grid Chainage	
Samples and Tests			Strata				
Depth	Type & No.	Date Records	Description		Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 Dark brown fibrous PEAT. (VO = 3,3)		(0.60)		
1.50	ES 2		2 Soft to firm light grey slightly gravelly sandy CLAY. Gravel is subangular to subrounded, fine to coarse of sandstone. Sand is fine to coarse. (VO = 1,1)		0.60 (1.10)		
			3 Orangish brown gravelly slightly clayey, fine to coarse SAND with low cobble content. Gravel is subangular to subrounded, fine to coarse of sandstone. Cobbles are subrounded of sandstone. (VO = 1,1)		1.70 (0.80)		
2.50	ES 3		EXPLORATORY HOLE ENDS AT 2.50 m		2.50		
			2.50 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 426.4806/05/2015 15:19:32 AGS			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit IP2007 Sheet 1 of 1		

PRELIMINARY



Logged Checked	AW	Start 18/11/2014 End 18/11/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 2.5m Terminated on bedrock.	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 Dark brown fibrous PEAT. (VO = 3,3)	0.60		
			2 Soft to firm light grey slightly gravelly sandy CLAY. Gravel is subangular to subrounded, fine to coarse of sandstone. Sand is fine to coarse. (VO = 1,1)			
1.50	ES 2		3 Orangish brown gravelly slightly clayey, fine to coarse SAND with low cobble content. Gravel is subangular to subrounded, fine to coarse of sandstone. Cobbles are subrounded of sandstone. (VO = 1,1)	1.70		
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) 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 Site-wide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit IP2008 Sheet 1 of 1	

Trial Pit Log

Logged JAF Checked AP		Start 08/08/2014 End 08/08/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 3.0m Terminated on hard strata.	Dimensions and Orientation Width 1.55 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) Greyish black clayey subangular to subrounded, fine to coarse GRAVEL of sandstone and brick. Frequent wood and metal fragments. Occasional cobble sized pockets of black organic matter. (VO = 1,2)	0.60		
			2 Grey clayey subangular to subrounded, fine to coarse GRAVEL of sandstone with low boulder content. Boulders are subangular to subrounded tabular of sandstone. (VO = 4,4)	(2.40)		
			EXPLORATORY HOLE ENDS AT 3.00 m	3.00		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) 1 0.60 Slowingress			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 IP2009 Sheet 1 of 1		

Logged JH Checked AP	Start 31/03/2015 End 31/03/2015	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 3.00m. Terminated on bedrock.	Dimensions and Orientation Width 1.60 m Length 3.50 m A B C D ➔ 350 (Deg)		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 brownish grey slightly sandy CLAY. Sand is fine to coarse. (VO = 0,0)	0.60		
1.50	ES 2		2 Firm grey slightly sandy gravelly SILT with medium cobble content. Gravel is subangular to subrounded, fine to coarse of sandstone. Sand is fine to coarse. Cobbles are subrounded to well rounded of sandstone. (VO = 1,2)	(2.40)		
2.50	ES 3					
			EXPLORATORY HOLE ENDS AT 3.00 m	3.00		

Trial Pit Log

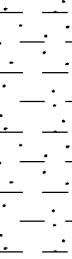
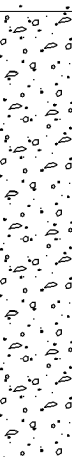


Logged JH Checked AP		Start 31/03/2015 End 31/03/2015	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 2.70m. Terminated on bedrock.	Dimensions and Orientation Width 1.60 m Length 3.50 m A B C D B →		Ground Level Coordinates National Grid Chainage		- - -
Samples and Tests			Strata					
Depth	Type & No.	Date Records	Description		Depth, Level/ (Thickness)	Legend	Backfill/ Instruments	
0.50	ES 1		1 Soft brownish grey slightly sandy CLAY. Sand is fine to coarse. (VO = 0,0)		(0.90)			
1.50	ES 2		2 Firm grey slightly sandy gravelly SILT with medium cobble content. Gravel is subangular to subrounded, fine to coarse of sandstone. Sand is fine to coarse. Cobbles are subrounded to well rounded of sandstone. (VO = 2,2)		0.90			
2.50	ES 3				(1.80)			
			EXPLORATORY HOLE ENDS AT 2.70 m		2.70			
			2.70 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 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 426.4814/04/2015 11:46:26			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited			Trial Pit IP2011 Sheet 1 of 1		

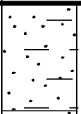
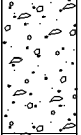
Trial Pit Log

Logged SK/JC Checked AJ		Start 04/09/2014 End 04/09/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 1.80m Terminated due to collapse.	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
0.20	ES 1		1 Firm greyish brown and occasionally dark brown sandy slightly gravelly CLAY with frequent fibrous rootlets and occasional roots. (VO = 0,0)	(0.40)		
0.50	ES 2		2 Very soft to soft orangish brown occasionally heavily stained dark grey sandy slightly gravelly CLAY. Gravel is subangular to subrounded, medium to coarse of sandstone. Strong hydrocarbon odour. (VO = 3,4)	0.40 (0.30)		
1.00	ES 3		3 Soft brown mottled grey frequently stained grey sandy slightly gravelly SILT. Gravel is angular to subrounded, fine to coarse of sandstone. Overwhelming hydrocarbon odour. (VO = 2,5)	0.70 (0.70)		
1.50	ES 4		4 Light greyish brown occasionally stained grey gravelly slightly silty, 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. Overwhelming hydrocarbon odour. (VO = 1,5)	1.40 (0.40)		
			EXPLORATORY HOLE ENDS AT 1.80 m	1.80		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour 1 1.80 Slight seepage with collapse thick sheen on surface.			Depth Related Remarks * From to (m)	Stability Collapse from GL Shoring None Weather Sunny,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 426.4811/11/2014 10:35:46			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit IP2012 Sheet 1 of 1		

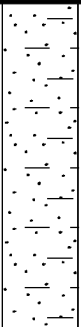
Trial Pit Log

Logged LF Checked AP		Start 05/08/2014 End 05/08/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 2.4m Terminated on bedrock		Dimensions and Orientation Width 1.60 m Length 3.20 m A D-----B C ➔ 240 (Deg)		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 orangish brown rarely lightly stained slightly gravelly sandy CLAY. Gravel is angular to subrounded, fine to coarse of sandstone. Sand is fine. Distinct hydrocarbon odour. (VO = 1,2)			(0.90)		
			2 Grey occasionally stained dark grey silty SAND and GRAVEL with medium cobble content. Gravel is angular to subrounded, fine to coarse of sandstone. Cobbles are angular to subangular of sandstone. Sand is fine. (VO = 3,4)			0.90	(1.50)	
			EXPLORATORY HOLE ENDS AT 2.40 m			2.40 Weathered bedrock		
Depth	Type & No.	Records Date						
Groundwater Entries No. Struck Post Strike Behaviour (m) 1 2.40 Seepage with heavy hydrocarbon sheen on surface			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.			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited			Trial Pit IP2013 Sheet 1 of 1		

Exploratory Hole Log

Drilled Logged LF Checked AP		Start 05/08/2014 End 05/08/2014		Equipment, Methods and Remarks Koamtsu PC210 Machine excavated trial pit from GL to 1.6m Terminated on bedrock			Depth from to Diameter Casing Depth		Ground Level - Coordinates - National Grid - Chainage		
Samples and Tests					Strata						
Depth	Type & No	Records	Date Casing	Time Water	Description			Depth, Level/ (Thickness)	Legend	Backfill/ Instruments	
0.50	ES 1				Orangish brown occasionally stained light grey slightly gravelly clayey fine SAND. Gravel is angular to subrounded, fine to coarse of sandstone. Distinct hydrocarbon odour. (VO = 2,2)			0.70			
					Grey occasionally heavily stained slightly silty SAND and GRAVEL with medium cobble content. Gravel is angular to subrounded, fine to coarse of sandstone. Cobbles are angular to subangular of sandstone. Sand is fine. Strong hydrocarbon odour. (VO = 3,4)			0.90			
					1.60 m Weathered bedrock EXPLORATORY HOLE ENDS AT 1.60 m			1.60			
Depth	Type & No	Records	Date Casing	Time Water							
Groundwater Entries No. Struck Post strike behaviour Depth sealed (m) None observed (see Key Sheet)					Depth Related Remarks * From to (m)			Chiselling Depths (m) Time Tools used			
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 1:50					Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited			Borehole IP2014 Sheet 1 of 1			

Trial Pit Log

Logged LF Checked AP		Start 05/08/2014 End 05/08/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 2.0m Terminated on bedrock	Dimensions and Orientation Width 1.60 m Length 3.30 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 Orangish brown occasionally stained light grey slightly gravelly clayey fine SAND. Gravel is angular to subrounded, fine to coarse of sandstone. Distinct hydrocarbon odour. (VO = 2,2)	(1.10)			
			2 Grey heavily stained dark grey slightly silty SAND and GRAVEL with medium cobble content. Gravel is angular to subrounded, fine to coarse of sandstone. Cobbles are angular to subangular of sandstone. Sand is fine. Strong hydrocarbon odour. (VO = 4,4)	1.10 (0.90)			
			EXPLORATORY HOLE ENDS AT 2.00 m 2.00 m Weathered bedrock	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 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 IP2015 Sheet 1 of 1			

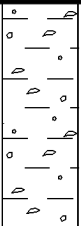
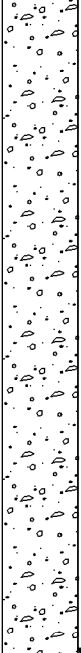
Trial Pit Log



Logged LF Checked AP		Start 05/08/2014 End 05/08/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 2.0m Terminated on bedrock	Dimensions and Orientation Width 1.60 m Length 3.30 m A B C D 240 (Deg)		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 greyish brown lightly stained sandy slightly gravelly CLAY. Gravel is angular to subrounded, fine to coarse of sandstone. Sand is fine. Distinct hydrocarbon odour. (VO = 2,2)			(0.40)		
			2 Grey occasionally heavily stained slightly silty SAND and GRAVEL with medium cobble content. Gravel is angular to subrounded, fine to coarse of sandstone. Cobbles are angular to subangular of sandstone. Sand is fine. Strong hydrocarbon odour. (VO = 3,4)			0.40		
						(1.60)		
			EXPLORATORY HOLE ENDS AT 2.00 m			2.00		
			2.00 m Weathered 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 IP2016 Sheet 1 of 1		



Trial Pit Log

Logged PL Checked AP		Start 12/09/2014 End 12/09/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 3.00m Terminated due to water ingress.	Dimensions and Orientation Width 0.80 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 Firm brown grey and orange sandy gravelly CLAY with low cobble content. Gravel is subrounded, fine to coarse of sandstone. Cobbles are subrounded of sandstone. (VO = 0,0)	(0.80)			
1.50	ES 2		2 Grey clayey sandy angular, fine to coarse GRAVEL of sandstone with high cobble content. Cobbles are angular tabular of sandstone. (VO = 0,0)	0.80			
2.50	ES 3			(2.20)			
			EXPLORATORY HOLE ENDS AT 3.00 m	3.00			
Depth	Type & No.	Records Date					
Groundwater Entries No. Struck Post Strike Behaviour (m) 1 3.00 Seepage - heavy oil on surface of water			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 426.4825/01/2015 21:14:55 			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit IP2017 Sheet 1 of 1			

Trial Pit Log

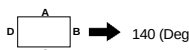
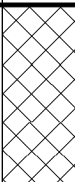
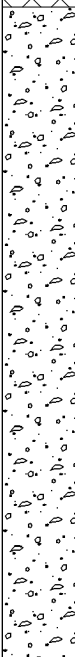
Logged AW Checked AP	Start 15/09/2014 End 15/09/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 2.7m Terminated on bedrock.	Dimensions and Orientation Width 1.50 m Length 4.00 m 	Ground Level - Coordinates - National Grid - Chainage -		
Samples and Tests		Strata				
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (MADE GROUND) Orangish brown slightly clayey slightly sandy slightly gravelly SILT with low cobble content. Sand is fine. Gravel is subangular to subrounded, fine to coarse of sandstone and concrete. Cobbles are subangular of sandstone, brick and concrete. Frequent roots, rootlets and wood fragments. (VO = 1,0)	0.50		
1.00	ES 2		2 Soft to firm grey mottled orange silty slightly gravelly CLAY with low cobble content. Gravel is subangular to subrounded, fine to coarse of sandstone. Cobbles are subrounded of sandstone. (VO = 3,3)	(0.70)		
2.00	ES 3		3 Brownish grey moderately stained black silty gravelly, fine to medium SAND with medium cobble content and low 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 = 3,4)	1.20		
			EXPLORATORY HOLE ENDS AT 2.70 m 2.70 m Bedrock	2.70		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour 1 2.70 Seepage mixing with hydrocarbon product giving surface water an oily sheen			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 426.4804/02/2015 11:19:03			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit IP2018 Sheet 1 of 1	

Trial Pit Log

Logged AW Checked AP		Start 15/09/2014 End 15/09/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 1.9m 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			
0.20	ES 1		1 Orangish brown slightly sandy slightly gravelly SILT with low cobble content. Sand is fine. Gravel is subangular to subrounded, fine to coarse of sandstone. Cobbles are subrounded of sandstone. Frequent roots and rootlets and moderate wood fragments. (VO = 1,1)	0.30		
1.00	ES 2		2 Bluish grey 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 of sandstone. (VO = 3,3)	1.10		
1.50	ES 3		3 Yellowish grey 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 subangular to subrounded of sandstone. Boulders are subangular tabular of sandstone. (VO = 3,3)	1.40 1.90		
			EXPLORATORY HOLE ENDS AT 1.90 m	1.90 m Bedrock		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour 1 1.90 Seepage mixing with hydrocarbon product leaving an oily sheen on surface			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 426.4804/02/2015 11:19:07			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit IP2019 Sheet 1 of 1		

Logged AW Checked AP	Start 15/09/2014 End 15/09/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 1.8m 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
0.20	ES 1		1 Brownish grey clayey 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 subrounded of sandstone. Frequent roots and rootlets and moderate root fragments. (VO = 1,1) 2 Dark grey frequently stained black slightly clayey sandy slightly gravelly SILT with medium cobble content and low boulder content. Sand is fine. Gravel is subangular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded of sandstone. Boulders are subangular of sandstone. (VO = 3,3)	(0.30)		
0.50	ES 2			0.30		
1.50	ES 3			(1.50)		
			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	
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 11:19:34			Project Coed Darcy Site-wide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit IP2089 Sheet 1 of 1	

Logged LF Checked AP	Start 05/08/2014 End 05/08/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 1.6m Unable to progress beyond 1.60m	Dimensions and Orientation Width 1.60 m Length 3.40 m A B C D ➔ 230 (Deg)		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 Orangish brown occasionally lightly stained slightly gravelly clayey fine SAND. Gravel is angular to subrounded, fine to coarse of sandstone. Distinct hydrocarbon odour. (VO = 1,2)	(0.60)		
			2 Grey occasionally heavily stained slightly clayey SAND and GRAVEL with medium cobble content. Gravel is angular to subrounded, fine to coarse of sandstone. Cobbles are angular to subangular of sandstone. Sand is fine. Strong hydrocarbon odour. (VO = 3,4)	(1.00)		
			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 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 426.4817/09/2014 12:45:13 			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit IP2090 Sheet 1 of 1	

Logged SK/JC Checked AJon		Start 03/09/2014 End 03/09/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 2.90m Terminated in bedrock		Dimensions and Orientation Width 0.80 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) Brown and grey silty, fine to coarse SAND and GRAVEL with low cobble content. Sand is fine to coarse. Gravel is angular to subrounded, fine to coarse of sandstone and brick. Cobbles are angular to subrounded of sandstone and brick. (VO= 0, 0)			0.60		
1.50	ES 2		2 Greyish brown, frequently stained grey, silty SAND and GRAVEL. Sand is fine to coarse. Gravel is angular to subrounded with low cobble content of sandstone. Cobbles are angular to subrounded of sandstone. Strong hydrocarbon odour. (VO=2, 4)			(2.20)		
			3 Weak to medium strong light grey heavily stained with free product (oil) dark greyish black, fine to medium grained SANDSTONE. Recovered as slightly sandy angular to subangular, fine to coarse gravel and angular to subangular frequently tabular cobbles with low boulder content. Boulders are subangular tabular. Strong hydrocarbon odour. (VO= 5, 3)			2.80 2.90		
			EXPLORATORY HOLE ENDS AT 2.90 m					
Depth	Type & No.	Records Date						
Groundwater Entries No. Struck Post Strike Behaviour (m)			Depth Related Remarks * From to (m)			Stability Stable		
1 2.90 Rose to 2.75 m after 10 minutes. Seepage containing free product						Shoring None Weather Sunny,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 426.4806/01/2015 15:38:51 			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited			Trial Pit IP2091 Sheet 1 of 1		

Logged LF Checked AP		Start 05/08/2014 End 05/08/2014		Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 2.1m Terminated on bedrock		Dimensions and Orientation Width 1.60 m Length 3.10 m A D-----B C ➔ 310 (Deg)		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 Orangish brown occasionally stained light grey slightly gravelly clayey fine SAND. Gravel is angular to subrounded, fine to coarse of sandstone. Sand is fine. Occasional slight hydrocarbon odour. (VO = 1,1)					(0.70)		
			2 Grey heavily stained slightly silty SAND and GRAVEL with medium cobble content. Gravel is angular to subrounded, fine to coarse of sandstone. Cobbles are angular to subangular of sandstone. Sand is fine. Strong hydrocarbon odour. (VO = 3,4)					0.70		
			2.10 m EXPLORATORY HOLE ENDS AT 2.10 m Weathered bedrock					2.10		
Depth	Type & No.	Records Date								
Groundwater Entries No. Struck Post Strike Behaviour (m) 1 2.10 Slight seepage with heavy hydrocarbon sheen			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 426.4817/09/2014 12:45:15			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited					Trial Pit IP2092 Sheet 1 of 1		

Scale 1:25 (c) ESG www.esg.co.uk 426.4817/03/2015 09:59:54 Carried out for St Modwen Developments Limited Sheet 1 of 1

Logged GRP Checked AP	Start 01/10/2014 End 01/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 3.50m Terminated on possible bedrock.	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		
0.40	ES 1		1 (MADE GROUND) Brown slightly clayey sandy angular to subangular, fine to coarse GRAVEL with high cobble and medium boulders content. Cobbles and boulders are subangular to subrounded of brick, concrete, sandstone and masonry. Frequent cable, metal and rebar. (VO = 1,2)	(1.20)				
1.40	ES 2		2 Dark brown spongy fibrous PEAT with fine to coarse gravel of sandstone. (VO = 2,2)	1.20 (0.90)				
2.40	ES 3		3 Bluish grey slightly clayey sandy subangular to subrounded, fine to coarse GRAVEL of sandstone with medium cobble content. Cobbles are subrounded of sandstone. (VO = 1,0)	2.10 (1.40)				
			EXPLORATORY HOLE ENDS AT 3.50 m	3.50				
Depth	Type & No.	Records Date						
Groundwater Entries No. Struck Post Strike Behaviour (m) 1 3.50 Water			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 426.4806/01/2015 15:38:54			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited			Trial Pit IP2094 Sheet 1 of 1		

Trial Pit Log

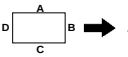
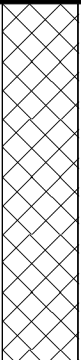
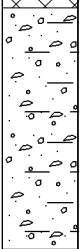
Logged GRP Checked AP		Start 01/10/2014 End 01/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 3.6m Unable to progress beyond 3.60m depth.	Dimensions and Orientation Width 1.40 m Length 3.60 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (MADE GROUND) Brown clayey slightly sandy angular to subangular, fine to coarse GRAVEL with high cobble content. Gravel and cobbles are brick, concrete, sandstone and masonry. (VO = 0,0)	(0.60)		
1.50	ES 2		2 Bluish grey slightly sandy clayey subangular to subrounded, fine to coarse GRAVEL of sandstone and masonry with brick. Rare pockets of peat and free product. (VO = 3,3)	0.60 (2.10)		
2.50	ES 3		3 Bluish grey slightly clayey sandy subangular to rounded, fine to coarse GRAVEL of sandstone. Sand is fine to coarse. (VO = 0,0)	2.70 (0.90)		
			EXPLORATORY HOLE ENDS AT 3.60 m	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 Dry,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 IP2095 Sheet 1 of 1	

Trial Pit Log

Logged GRP Checked AP		Start 02/10/2014 End 02/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 3.70m Unable to progress beyond 3.70m.	Dimensions and Orientation Width 1.80 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
0.30	ES 1		1 Orangish brown slightly sandy clayey subangular to subrounded fine to coarse GRAVEL of sandstone, brick and concrete with high cobble content. Sand is fine to coarse. Cobbles are subangular to subrounded of brick, concrete and sandstone. (VO = 0,0)	(1.20)		
1.20	ES 2		2 Dark grey black spongy fibrous PEAT. (VO = 0,0)	1.20		
			3 Dark bluish grey slightly sandy clayey subangular to surrounded, fine to coarse GRAVEL of sandstone. (VO = 0,1)	1.30		
2.20	ES 3			(1.30)		
			4 Bluish grey slightly clayey sandy subrounded to rounded, fine to coarse GRAVEL of sandstone with high cobble content. Sand is fine to coarse. Cobbles are subangular to subrounded of sandstone. (VO = 0,1)	2.60		
3.20	ES 4			(1.10)		
			EXPLORATORY HOLE ENDS AT 3.70 m	3.70		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) 1 3.70 Seepage at base.			Depth Related Remarks * From to (m)	Stability Stable - slumping at 2.60m 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 426.4804/02/2015 11:19:47			Project Coed Darcy Site-wide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit IP2096 Sheet 1 of 1		

Logged GRP Checked AP	Start 02/10/2014 End 02/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 3.00m Unable to progress beyond 3.00m depth.	Dimensions and Orientation Width 1.80 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) Greyish brown slightly clayey sandy subangular to subrounded, fine to coarse GRAVEL of sandstone, brick and concrete with high cobble and boulder content. Cobbles and boulders are subangular to subrounded of sandstone, brick and concrete. (VO = 0,0)	(1.00)				
1.50	ES 2		2 Greyish brown slightly sandy clayey subangular to subrounded, fine to coarse GRAVEL of sandstone with low cobble content. Sand is fine to coarse. Cobbles are subangular to rounded of sandstone. (VO = 0,0)	1.00 (0.80)				
2.50	ES 3		3 Bluish grey slightly clayey sandy subrounded to rounded, fine to coarse GRAVEL of sandstone. (VO = 0,0)	1.80 (1.20)				
			EXPLORATORY HOLE ENDS AT 3.00 m	3.00				
Depth	Type & No.	Records Date						
Groundwater Entries No. Struck Post Strike Behaviour (m) 1 3.00 Rose to 2.90 m after 10 minutes. Water ingress			Depth Related Remarks * From to (m)			Stability Unstable Shoring None Weather Sunny,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 426.4804/02/2015 11:19:50			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited			Trial Pit IP2097 Sheet 1 of 1		

Trial Pit Log

Logged GRP Checked AP		Start 02/10/2014 End 02/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 3.50m Unable to progress beyond 3.50m.	Dimensions and Orientation Width 1.80 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
0.40	ES 1		1 (MADE GROUND) Greyish brown slightly clayey sandy GRAVEL with high cobble content. Gravel and cobbles are subangular to subrounded, fine to coarse of brick, ironstone, sandstone, masonry and concrete. Rare steel formwork. Occasional timber and plastic fragments. (VO = 0,1).	(1.20)		
1.80	ES 2		2 Bluish grey slightly sandy clayey angular to subrounded, fine to coarse GRAVEL of limestone and sandstone with high cobble content. Sand is fine to coarse. Cobbles are subangular sandstone. (VO = 0,2)	1.20 (0.80)		
2.80	ES 3		3 Bluish grey mottled orangish brown slightly clayey sandy subrounded to rounded fine to coarse GRAVEL of sandstone with high cobble content. Sand is fine to coarse. Cobbles are subrounded of sandstone. (VO = 0,1)	2.00 (1.50)		
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 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 IP2098 Sheet 1 of 1		

Trial Pit Log



Logged GRP Checked AP		Start 02/10/2014 End 02/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 3.00m Unable to progress beyond 3.00m depth.	Dimensions and Orientation Width 1.80 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		
0.40	ES 1		1 (MADE GROUND) Brown slightly sandy clayey subangular to subrounded, fine to coarse GRAVEL with medium cobble content of sandstone, masonry, brick and concrete. Occasional rootlets and timber (VO = 0,0).	(0.80)				
1.40	ES 2		2 Greyish brown slightly clayey sandy subangular to subrounded, fine to coarse GRAVEL of sandstone with low subrounded cobble content of sandstone. (VO = 0,1)	(1.10)				
2.40	ES 3		3 Grey slightly clayey sandy subrounded to rounded, fine to coarse GRAVEL of sandstone. (VO = 0,1)	(1.10)				
			EXPLORATORY HOLE ENDS AT 3.00 m	3.00				
Depth	Type & No.	Records Date						
Groundwater Entries No. Struck Post Strike Behaviour (m) 1 3.00 Rose to 2.00 m after 20 minutes. Water			Depth Related Remarks * From to (m)		Stability Unstable Shoring None Weather Sunny,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 426.4904/02/2015 11:19:57 AGS			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit IP2099 Sheet 1 of 1			

Trial Pit Log

Logged GRP Checked AP		Start 02/10/2014 End 02/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 3.7m Terminated due to collapse.	Dimensions and Orientation Width 1.60 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
0.40	ES 1		1 (MADE GROUND) Orangish brown slightly clayey sandy subangular to subrounded, fine to coarse GRAVEL of sandstone, brick, concrete and masonry with high cobble content. Sand is fine to coarse. Cobbles are subangular to subrounded of brick, concrete, sandstone and masonry. (VO = 0,0)	(1.00)		
1.10	ES 2		2 Dark grey black spongy fibrous PEAT. (VO = 0,0)	1.00		
1.70	ES 3		3 Bluish grey mottled orangish brown slightly sandy clayey subrounded to rounded, fine to coarse GRAVEL of sandstone with medium cobble content. Sand is fine to coarse. Cobbles are subangular of sandstone. (VO = 0,1)	1.20		
2.90	ES 4		4 Bluish grey slightly clayey sandy subangular to subrounded, fine to coarse GRAVEL of sandstone with low cobble content. Sand is fine to coarse. Cobbles are subrounded to rounded of sandstone. (VO = 0,1)	2.60		
				(1.10)		
			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 Unstable 2.6 to 3.70m 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 426.4904/02/2015 11:20:02			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit IP2100 Sheet 1 of 1		

Trial Pit Log

Logged GRP Checked AP		Start 01/10/2014 End 01/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 3.50m Unable to progress beyond 3.50m depth.	Dimensions and Orientation Width 1.20 m Length 3.40 m 	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.40	ES 1		1 (MADE GROUND) Orangish brown clayey slightly sandy subangular to subrounded, fine to coarse GRAVEL of concrete, brick, sandstone and masonry with high cobble content. Sand is fine to coarse. Cobbles are subangular to subrounded of concrete, brick, sandstone and masonry. (VO = 0,0)	(1.20)		
1.50	ES 2		2 Dark grey spongy fibrous PEAT. (VO = 0,0)	1.20		
			3 Grey bluish grey mottled orange brown slightly sandy clayey subrounded to rounded fine to coarse GRAVEL of sandstone. Sand is fine to coarse. (VO = 0,0)	1.40		
2.50	ES 3		4 Dark grey slightly clayey sandy subrounded to rounded, fine to coarse GRAVEL with high cobble content. Sand is fine to coarse. Cobbles are subrounded of sandstone. (VO = 0,0)	2.60		
				(0.90)		
			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 Wet 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 IP2101 Sheet 1 of 1		

Trial Pit Log

Logged GRP Checked AP		Start 01/10/2014 End 01/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 3.50m Terminated due to water ingress.	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	Depth, Level, (Thickness)	Legend	Backfill/ Instruments
0.30	ES 1		1 (MADE GROUND) Orangish brown slightly clayey sandy angular to subangular, fine to coarse GRAVEL of brick, concrete and sandstone with low cobble content. Cobbles are angular to subangular of brick and concrete. (VO =1 1)	(0.60)		
			2 Firm greyish brown slightly sandy gravelly CLAY. Gravel is rounded to subrounded, fine to coarse with rare brick and concrete. Sand is fine to coarse. (VO = 0,0)	0.60 (0.60)		
1.25	ES 3		3 Black spongy fibrous PEAT. (VO =1 ,1)	1.20 1.30		
1.60	ES 2		4 Greyish black slightly clayey sandy subrounded to rounded, fine to coarse GRAVEL of sandstone. Sand is fine to coarse. (VO = 0,0)	(2.20)		
2.60	ES 4					
			EXPLORATORY HOLE ENDS AT 3.50 m	3.50		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) 1 3.50 Water			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 426.4804/02/2015 11:20:21			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit IP2102 Sheet 1 of 1		

Trial Pit Log

Logged GRP Checked AP	Start 01/10/2014 End 01/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 3.30m Unable to progress beyond 3.30m depth.	Dimensions and Orientation Width 1.50 m Length 3.10 m 	Ground Level - Coordinates - National Grid - Chainage -		
Samples and Tests		Strata				
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.30	ES 1		1 (MADE GROUND) Brownish light brown slightly sandy slightly clayey angular to subangular, fine to coarse GRAVEL of brick, concrete, sandstone and masonry with low subangular cobble content. Sand is fine to coarse. Cobbles are brick, concrete, sandstone and masonry. (VO = 0,1)	(0.40)		
1.00	ES 2		2 (MADE GROUND) Greyish brownish grey slightly sandy clayey angular to subangular, fine to coarse GRAVEL of brick, concrete and sandstone with high cobble content. Sand is fine to coarse. Cobbles are subangular to subrounded of brick, concrete and sandstone. Rare timber fragments. (VO =1,1)	(1.00)		
1.50	ES 3		3 Blackish dark grey spongy fibrous PEAT. (VO =10,)	1.40		
2.50	ES 4		4 Soft bluish grey slightly sandy gravelly CLAY. Gravel is subangular to subrounded, fine to coarse of brick, concrete and sandstone. Sand is fine to coarse. (VO =0,0)	1.60		
			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 Overcast, 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 IP2103 Sheet 1 of 1	

Trial Pit Log

Logged GRP Checked AP		Start 02/10/2014 End 02/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 3.20m Unable to progress beyond 3.20m.	Dimensions and Orientation Width 1.60 m Length 3.40 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
0.40	ES 1		1 (MADE GROUND) Brownish dark brown slightly clayey sandy subangular to subrounded, fine to coarse GRAVEL of sandstone, brick and concrete with high cobble content. Sand is fine to coarse. Cobbles are subangular to subrounded of brick and concrete. (VO = 1,1)	(1.40)		
1.40	ES 2		2 Dark grey bluish grey slightly clayey sandy subangular to subrounded fine to coarse GRAVEL of sandstone and limestone with high cobble content. Sand is fine to coarse. Cobbles are subangular of sandstone. (VO = 1,1) locally (VO = 5,3) at 1.50m.	1.40		1
2.00	ES 3		1.50 m Ironwork pipe thick heavy contamination (coal tar) before pipe.	(1.80)		2
			EXPLORATORY HOLE ENDS AT 3.20 m	3.20		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) 1 1.40 Seepage 2 3.20 Water			Depth Related Remarks * From to (m)	Stability Unstable 1.50 to 1.90m 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 426.4904/02/2015 11:20:38			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit IP2104 Sheet 1 of 1		

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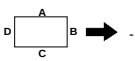
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Trial Pit Log



Logged AJ Checked AP		Start 15/09/2014 End 15/09/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 2.00m Terminated on bedrock.	Dimensions and Orientation Width 1.60 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) Brown fibrous PEAT with cobble and boulder sized pockets of brownish grey sand and black clinker. (VO = 3,3)		(0.50)		
1.50	ES 2		2 Grey gravelly, fine to coarse SAND with high cobble content. Gravel is subangular to rounded, fine to coarse of sandstone. Cobbles are subangular to rounded becoming tabular of sandstone. Gravel and cobbles are frequently brown stained. (VO = 4,4)		(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) 1 1.60 Medium inflow - hydrocarbon sheen			Depth Related Remarks * From to (m)		Stability Stable Shoring None Weather Sun		
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 IP2108 Sheet 1 of 1		

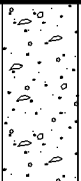


Logged SP Checked AP	Start 03/12/2014 End 03/12/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 0.2m Terminated on bedrock.	Dimensions and Orientation Width 1.50 m Length 3.00 m 	Ground Level - Coordinates - National Grid - Chainage -		
Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
		*	1 Soft dark brown gravelly sandy SILT. Gravel is angular to well rounded, fine to coarse of sandstone. Sand is fine to coarse. (VO = 5,3) 0.20 m Bedrock. EXPLOATORY HOLE ENDS AT 0.20 m	0.20		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m)			Depth Related Remarks * From to (m) 0.00 0.20 No Samples Obtained.	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 426.4825/01/2015 21:14:57 			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit IP2109 Sheet 1 of 1		

Trial Pit Log

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Trial Pit Log

Logged CP Checked AJon		Start 03/09/2014 End 03/09/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 3.10m Terminated in bedrock	Dimensions and Orientation Width 0.80 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			
0.50	ES 1		1 Light brown locally silty occasionally stained grey, gravelly, fine to coarse SAND. Gravel is subangular to subrounded, fine to coarse of sandstone. (VO=0, 0)	(0.60)		
1.00	ES 2		2 Light 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 subrounded of sandstone. Overwhelming hydrocarbon odour. (VO= 1, 5)	0.60		
			3 Weak to medium strong light grey , occasionally stained dark grey, fine to medium grained SANDSTONE. Recovered as sandy angular to subangular, fine to coarse gravel and angular to subangular frequently tabular cobbles with low boulder content. Boulders are angular to subangular occasionally tabular. Strong hydrocarbon odour. (VO = 1,4)	2.95		
			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 Sunny spells, 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 426.4906/01/2015 15:38:56 			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit IP2111 Sheet 1 of 1		

Logged LF	Start 05/08/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 2.4m Terminated on bedrock		Dimensions and Orientation Width 1.60 m Length 3.20 m		A B C D ➡ 240 (Deg)		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 Brown occasionally stained gravelly clayey fine SAND. Gravel is angular to subrounded, fine to coarse of sandstone. Occasional slight hydrocarbon odour. (VO = 1,1)			(1.00)			
1.50	ES 2		2 Grey frequently heavily stained dark grey slightly silty SAND and GRAVEL with medium cobble content. Gravel is angular to subrounded, fine to coarse of sandstone. Cobbles are angular to subangular of sandstone. Sand is fine. Strong hydrocarbon odour. (VO = 4,4)			1.00 (1.40)			
			EXPLORATORY HOLE ENDS AT 2.40 m			2.40			
Depth	Type & No.	Records Date							
Groundwater Entries No. Struck Post Strike Behaviour (m) 1 2.40 Slight seepage with heavy hydrocarbon sheen			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 4817/09/2014 12:45:18			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited			Trial Pit IP2112 Sheet 1 of 1			

Trial Pit Log

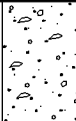
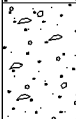
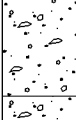
PRELIMINARY



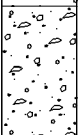
Logged AW Checked	Start 15/09/2014 End 15/09/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 2.2m Terminated on bedrock.		Dimensions and Orientation Width 1.50 m Length 4.00 m 		Ground Level Coordinates National Grid Chainage	
Samples and Tests			Strata				
Depth	Type & No.	Date Records	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments	
0.50	ES 1		1 (MADE GROUND) Reddish brown sandy slightly gravelly SILT with low cobble content and low boulder content. Sand is fine. Gravel is subangular to subrounded, fine to coarse of sandstone and concrete. Cobbles are subangular to subrounded of sandstone and concrete. Boulders are subangular of concrete. Frequent roots, rootlets and wood fragments. (VO = 1,1)	0.60			
1.50	ES 2		2 Grey mottled orange frequently stained black slightly clayey gravelly, fine to coarse SAND with medium cobble content. Gravel is subangular to subrounded, fine to coarse of sandstone. Cobbles are subangular of sandstone. (VO = 3,3)	1.80			
2.00	ES 3		3 Dark grey frequently stained black clayey slightly sandy gravelly SILT with medium cobble content and low boulder content. Sand is fine. Gravel is subangular to subrounded, fine to coarse of sandstone. Cobbles are subangular of sandstone. Boulders are subangular tabular of sandstone. (VO = 4,3)	2.20			
			2.20 m Bedrock EXPLORATORY HOLE ENDS AT 2.20 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 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 IP2114 Sheet 1 of 1		

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Trial Pit Log

Logged AW Checked AP		Start 12/09/2014 End 12/09/2014		Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 1.5m Terminated on bedrock.		Dimensions and Orientation Width 1.50 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
0.50	ES 1		1 Brown and grey silty slightly gravelly, fine to coarse SAND. Gravel is subangular to subrounded, fine to coarse of sandstone. Frequent roots and rootlets and wood fragments. (VO = 0,0)				(0.40)		
			2 Grey mottled orange silty slightly gravelly, fine SAND with low cobble content. Gravel is subangular to subrounded, fine to coarse of sandstone. Cobbles are subrounded of sandstone. (VO = 3,2)				(0.70)		
			3 Yellowish grey gravelly, fine to coarse SAND with low cobble content and low boulder content. Gravel is subangular to subrounded, fine to coarse of sandstone. Cobbles are subrounded of sandstone. Boulders are subangular tabular of sandstone. (VO = 2,3)				(0.40)		
1.50	ES-2		EXPLORATORY HOLE ENDS AT 1.50 m				1.50		
Depth	Type & No.	Records Date							
Groundwater Entries No. Struck Post Strike Behaviour (m)			Depth Related Remarks * From to (m)				Stability Stable Shoring None Weather 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 426.4823/01/2015 12:03:17			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited				Trial Pit IP2116 Sheet 1 of 1		

Exploratory Hole Log

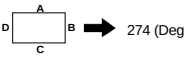
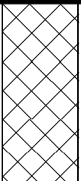
Drilled Logged LF Checked AP	Start 06/08/2014 End 06/08/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 2.4m Terminated on bedrock	Depth from to Diameter Casing Depth	Ground Level Coordinates National Grid Chainage				
Samples and Tests			Strata					
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1				Orangish brown gravelly clayey, fine SAND. Gravel is angular to subrounded, fine to coarse of sandstone. (VO = 0,0)	(1.50)		
1.50	ES 2				Grey frequently stained dark grey slightly silty SAND and GRAVEL with medium cobble content. Gravel is angular to subrounded, fine to coarse of sandstone. Cobbles are angular to subangular of sandstone. Sand is fine. (VO = 4,4)	1.50 (0.90)		
2.40	ES 3				Strong hydrocarbon odour. EXPLORATORY HOLE ENDS AT 2.40 m	2.40		
2.00 m					Face D : sand becomes fine to coarse.			
2.40 m					Weathered bedrock			
Depth	Type & No	Records	Date Casing	Time Water				
Groundwater Entries No. Struck Post strike behaviour Depth sealed (m) None observed (see Key Sheet)					Depth Related Remarks * From to (m)		Chiselling Depths (m) Time Tools used	
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 1:50					Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Borehole IP2185 Sheet 1 of 1	

Trial Pit Log



Logged LF Checked AP		Start 04/08/2014 End 04/08/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 3.4m Terminated on bedrock	Dimensions and Orientation Width 1.60 m Length 3.80 m A B C D 310 (Deg)		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 occasionally lightly stained slightly gravelly clayey fine SAND. Gravel is angular to subrounded, fine to coarse of sandstone. Occasional slight hydrocarbon odour. (VO = 1,1)	(1.20)			
1.50	ES 2		2 Grey heavily stained sandy clayey angular to subangular, fine to coarse GRAVEL of sandstone with medium cobble content. Cobbles are angular of sandstone. Sand is fine. Rare decomposing organic fragments. Strong hydrocarbon odour. (VO = 4,4)	1.20 (2.00)			
2.50	ES 3						
			EXPLORATORY HOLE ENDS AT 3.20 m	3.20 Weathered 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 Collapsing 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 426.4811/09/2014 12:58:04 AGS			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit IP2186 Sheet 1 of 1		

Trial Pit Log

Logged SK/JC Checked AJon		Start 03/09/2014 End 03/09/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 2.50m Unable to progress past cobbles and boulders.	Dimensions and Orientation Width 0.90 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		2 (MADE GROUND) Orangish brown locally clayey silty slightly gravelly, fine to coarse (predominantly fine to medium) SAND. Gravel is subangular to subrounded, medium to coarse of sandstone and occasional brick. Faint hydrocarbon odour. (VO = 0,0)	(0.60)		
0.60	ES 2		3 Greyish brown frequently stained dark grey locally clayey silty slightly gravelly to gravelly, 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. Strong hydrocarbon odour. (VO = 2,3)	0.60 (0.30)		
1.60	ES 3		2 Brownish grey SAND and GRAVEL with a low cobble content. Sand is fine to coarse. Gravel is angular to subangular, fine to coarse of sandstone. Cobbles are angular to subangular, occasionally tabular of sandstone. (VO= 0, 6)	0.90 (1.60)		
			2.00-2.50 m with a medium cobble content			
			EXPLORATORY HOLE ENDS AT 2.50 m	2.50		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) 1 2.50 Slight seepage			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 IP2187 Sheet 1 of 1		

Trial Pit Log



Logged NK Checked AP		Start 03/12/2014 End 03/12/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 0.2m Terminated in bedrock.	Dimensions and Orientation Width 1.00 m Length 2.00 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 Greyish brown SANDSTONE. Recovered as: angular to subangular fine to coarse gravel with high cobble content. Cobbles are subangular to subrounded. (VO =2 ,3) EXPLORATORY HOLE ENDS AT 0.20 m	0.20		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m)			Depth Related Remarks * From to (m) 0.00 0.20 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 (c) ESG www.esg.co.uk 426.4825/01/2015 21.15.04 AGS			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit IP2188 Sheet 1 of 1		

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Trial Pit Log



Logged DD Checked AP		Start 04/08/2014 End 04/08/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 3.0m Terminated on bedrock	Dimensions and Orientation Width 1.50 m Length 3.50 m A B C 270 (Deg)		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 locally soft dark brown and dark grey occasionally black slightly sandy gravelly CLAY with low to medium cobble content and low boulder content. Gravel is subangular to subrounded, fine to coarse of siltstone, sandstone and occasional brick. Cobbles are subangular to subrounded of siltstone, sandstone and occasional brick. Boulders are subrounded of siltstone and sandstone. Localised pockets of black fibrous peat. (VO = 3,1)	(2.70)			
1.50	ES 2			2.70			
2.50	ES 3			2 Light brown grey slightly clayey sandy angular to subangular, fine to coarse GRAVEL of sandstone with high cobble and boulder content. Cobbles and boulders are subangular of sandstone. EXPLORATORY HOLE ENDS AT 3.00 m 3.00 m Bedrock			(0.30) 3.00
Depth	Type & No.	Records Date					
Groundwater Entries No. Struck Post Strike Behaviour (m) 1 2.70 Seepage			Depth Related Remarks * From to (m)		Stability Collapse in Face A. 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 426.4812/05/2015 10:17:47			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit IP2190 Sheet 1 of 1		

Trial Pit Log



Logged JAF Checked AP		Start 08/08/2014 End 08/08/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 2.60m Terminated due to water ingress and collapse.	Dimensions and Orientation Width 1.55 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) Orangish brown slightly sandy slightly gravelly CLAY with low boulder content. Sand is fine to coarse. Gravel is subangular to subrounded, fine to coarse of sandstone and brick. Boulders are subangular of sandstone. Occasional pipes and metal fragments. (VO = 2,1)	(1.40)				
1.50	ES 2		2 (MADE GROUND) Greyish black gravelly CLAY with low cobble content. Gravel is subangular to subrounded, fine to coarse of sandstone. Cobbles are subrounded of sandstone. (VO = 2,2) 1.60-2.60 m Ash and clinker. 2.50 m Low boulder content. Boulders are subangular of sandstone.	1.40 (1.20)				
			EXPLORATORY HOLE ENDS AT 2.60 m	2.60				
Depth	Type & No.	Records Date						
Groundwater Entries No. Struck Post Strike Behaviour (m) 1 2.00 Water ingress.			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 (c) ESG www.esg.co.uk 426.4818/02/2015 14:12:49			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited			Trial Pit IP2191 Sheet 1 of 1		

Trial Pit Log

Logged GRP Checked AP		Start 01/10/2014 End 01/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 3.40m Unable to progress beyond 3.40m depth.	Dimensions and Orientation Width 1.20 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
1.00	ES 1		1 (MADE GROUND) Orangish brown slightly clayey sandy angular to subangular, fine to coarse GRAVEL of clinker, slag, concrete, brick, sandstone and masonry. (VO =1,2)	(1.10)		
2.00	ES 2		2 (MADE GROUND) Soft grey bluish grey sandy gravelly CLAY with some organic fibrous pockets of peat and low cobble content. Gravel is subangular to subrounded, fine to coarse of sandstone, brick, concrete and masonry. Sand is fine to coarse. Cobbles are subrounded of sandstone. (VO = 1,1)	1.10 (1.10)		
3.00	ES 3		3 (MADE GROUND) Bluish grey slightly clayey sandy subangular to subrounded, fine to coarse GRAVEL of clinker, slag, sandstone and masonry. (VO = 1,1)	2.20 (1.20)		
			EXPLORATORY HOLE ENDS AT 3.40 m 3.40 m Layer of fibrous organic peat. (VO = 1,1)	3.40		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) 1 2.80 Slow fill water.			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 IP2192 Sheet 1 of 1		

Trial Pit Log

Logged GRP Checked AP		Start 02/10/2014 End 02/10/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 3.6m Unable to progress beyond 3.60m depth.	Dimensions and Orientation Width 1.80 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	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (MADE GROUND) Orangish brown slightly sandy clayey subangular to subrounded, fine to coarse GRAVEL with high cobble content. Gravel and cobbles are subangular to subrounded of sandstone masonry, concrete and brick. Rare timber and roots. (VO = 0,1)	(1.00)		
1.50	ES 2		2 Greyish brown slightly clayey sandy, subrounded to rounded fine to coarse GRAVEL of sandstone with high cobble content. Sand is fine to coarse. Cobbles are subrounded to rounded of sandstone. (VO = 0,1)	1.00 (1.60)		
2.50	ES 3		3 Bluish grey slightly clayey sandy subangular to subrounded, fine to coarse GRAVEL of sandstone with with high cobble and low boulder content. Sand is fine to coarse. Cobbles and boulders are subangular to subrounded of sandstone. (VO = 0,1)	2.60 (1.00)		
			EXPLORATORY HOLE ENDS AT 3.60 m	3.60		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) 1 2.60 Very wet 2 2.70 Large collapse in walls to base.			Depth Related Remarks * From to (m)		Stability Collapse and slump at 2.60m Shoring None Weather Dry, sunny spells.	
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 IP2193 Sheet 1 of 1	

Trial Pit Log

Logged AJ Checked AP		Start 30/09/2014 End 30/09/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 3.5m Terminated on bedrock.	Dimensions and Orientation Width 1.60 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) Soft brown gravelly CLAY with medium cobble content. Gravel is subangular to subrounded, fine to coarse of sandstone, brick and concrete. Cobbles are subangular to subrounded of sandstone, brick and concrete (VO = 0,0)	(0.50)		
0.90	ES 2		2 Black pseudo fibrous PEAT. (VO = 0,0)	(0.40)		
1.50	ES 3		3 Soft grey sandy gravelly CLAY with medium cobble content. Gravel is subangular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded of sandstone. (VO = 3,1)	(1.80)		
2.50	ES 4		4 Light brown sandy subangular to rounded, fine to coarse GRAVEL of sandstone with high cobble content. Cobbles are subangular to subrounded frequently tabular of sandstone. (VO = 0,0)	(0.80)		
3.50	ES 5		EXPLORATORY HOLE ENDS AT 3.50 m 3.50 m Bedrock	3.50		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) 1 2.70 Fast inflow leading to pit collapse			Depth Related Remarks * From to (m)	Stability 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 Site-wide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit IP2194 Sheet 1 of 1		

Trial Pit Log

Logged AJ Checked AP		Start 30/09/2014 End 30/09/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 3.8m Terminated on bedrock.	Dimensions and Orientation Width 1.60 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			
0.50	ES 1		1 (MADE GROUND) Soft brown gravelly CLAY with low cobble content. Gravel is subangular to subrounded, fine to coarse of sandstone, brick and concrete. Cobbles are subangular to subrounded of sandstone, brick and concrete. Frequent roots and rootlets (VO = 1,0)	(0.60)		
0.90	ES 2		2 Black pseudo fibrous PEAT. (VO = 0,0)	(0.30)		
1.50	ES 3		3 Grey clayey sandy subangular to subrounded, fine to coarse GRAVEL of sandstone with medium cobble content. Sand is fine to coarse. Cobbles are subangular to subrounded occasionally tabular of sandstone. Boulders sized pocket of black free product. (VO = 5,2)	(2.40)		
2.50	ES 4					
3.50	ES 5		4 Light brown sandy subangular to subrounded, fine to coarse GRAVEL of sandstone with medium cobble content. Cobbles are subangular to subrounded frequently tabular of sandstone. (VO = 0,0)	(0.50)		
			EXPLORATORY HOLE ENDS AT 3.80 m 3.80 m Bedrock	3.80		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) 1 1.00 Fast ingress from face D (due to surrounding surface water).			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. Scale 1:25			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit IP2195 Sheet 1 of 1		

Trial Pit Log

Logged AJ Checked AP		Start 30/09/2014 End 30/09/2014	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 4.2m Terminated on bedrock.	Dimensions and Orientation Width 1.60 m Length 3.50 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 clayey gravelly, fine to coarse SAND with low cobble content. Gravel is subangular to subrounded, fine to coarse of sandstone, brick and concrete. Cobbles are subangular to subrounded of sandstone, brick and concrete. (VO = 0,0)	0.50		
1.50	ES 2		2 Soft brownish grey sandy gravelly CLAY with low cobble content. Gravel is subangular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded of sandstone. (VO = 2,1)	(2.30)		
1.80	ES 3					
2.80	ES 4		3 Grey clayey sandy, subangular to rounded fine to coarse GRAVEL of sandstone with medium cobble content. Cobbles are subangular of sandstone. (VO = 2,1)	2.80		
3.50	ES 5		4 Light brown sandy subangular to rounded, fine to coarse GRAVEL of sandstone with medium cobble content. Cobbles are subangular to rounded of sandstone. (VO = 0,0)	3.90 (0.30)		
4.20	ES 6					
			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 Sun		
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 IP2196 Sheet 1 of 1		