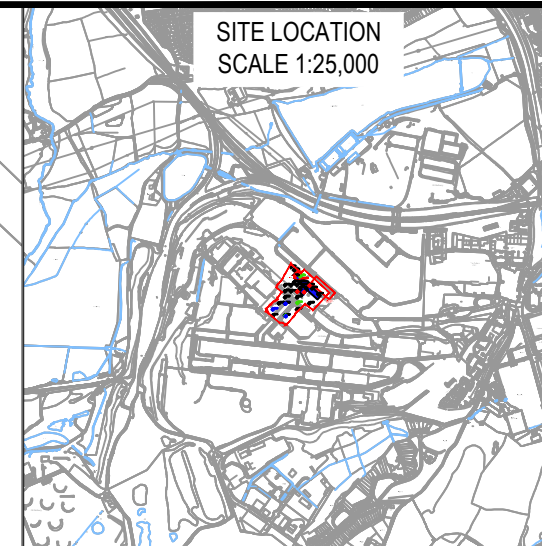
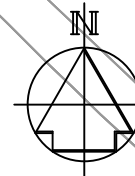




SITE LOCATION
SCALE 1:25,000

KEY

- MONITOR BOUNDARY PHASE 33
- SPECIAL PROCESS AREA
- PROPOSED SCHOOL BUILDING

REVISIONS	Drawn By	Checked By	Date

PURPOSE OF ISSUE	Rev.	Authorised for issue	Date

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PROJECT
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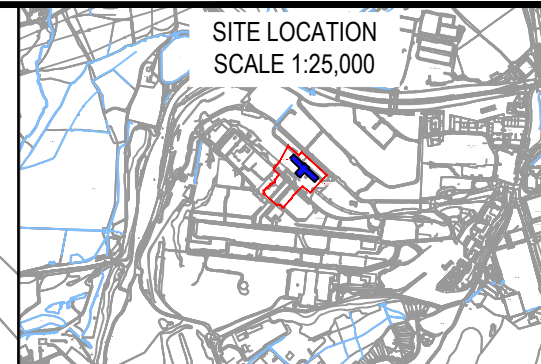
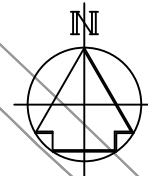
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	DATE	DATE	DATE	DATE	
	05.05.15	05.05.15	22.05.15		

DRAWING NO	SHEET	PLOT DATE
5041216-REM-DWG-1978	A3	05.08.15

REV	

- +
 VO FAILURE
- +
 RBSL FAILURE
- +
 FREE PRODUCT / HYDROCARBON SHEEN
- +
 PIPEWORK ENCOUNTERED IN-SITU



SITE LOCATION
SCALE 1:25,000

KEY

- MONITOR BOUNDARY PHASE 33
- SPECIAL PROCESS AREA
- PROPOSED SCHOOL BUILDING
- +

 TRIAL PIT
- FURTHER INVESTIGATION
- EXCAVATION

SUB STATION 13

BOILER HOUSE
WORKSHOP

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ST.MODWEN

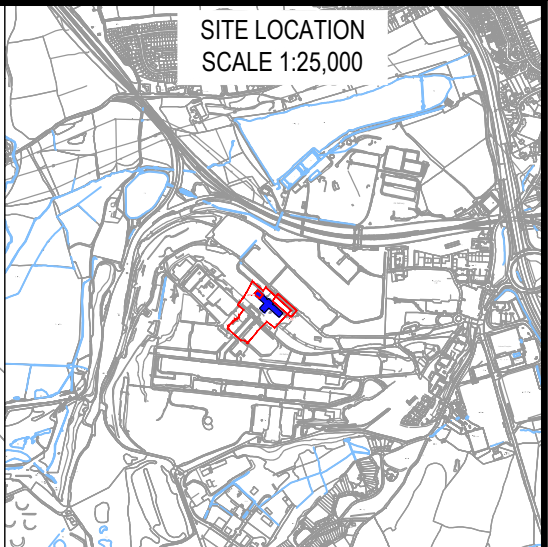
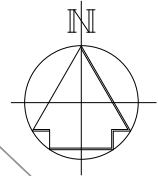
PROJECT

COED DARCY

DRAWING TITLE

MONITOR BOUNDARY PHASE 33
PROPOSED FORWARD ACTIONS

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	DATE 06.05.15	DATE 06.05.15	DATE 22.05.15
DRAWING NO 5041216-REM-DWG-1977		SHEET A3	PLOT DATE 05.08.15
		REV	-



SITE LOCATION
SCALE 1:25,000

KEY

- MONITOR BOUNDARY PHASE 33
- SPECIAL PROCESS AREA -
- PROPOSED SCHOOL BUILDING

REVISIONS

Drawn By	Checked By	Date

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Rev.	Authorised for issue	Date

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PROJECT

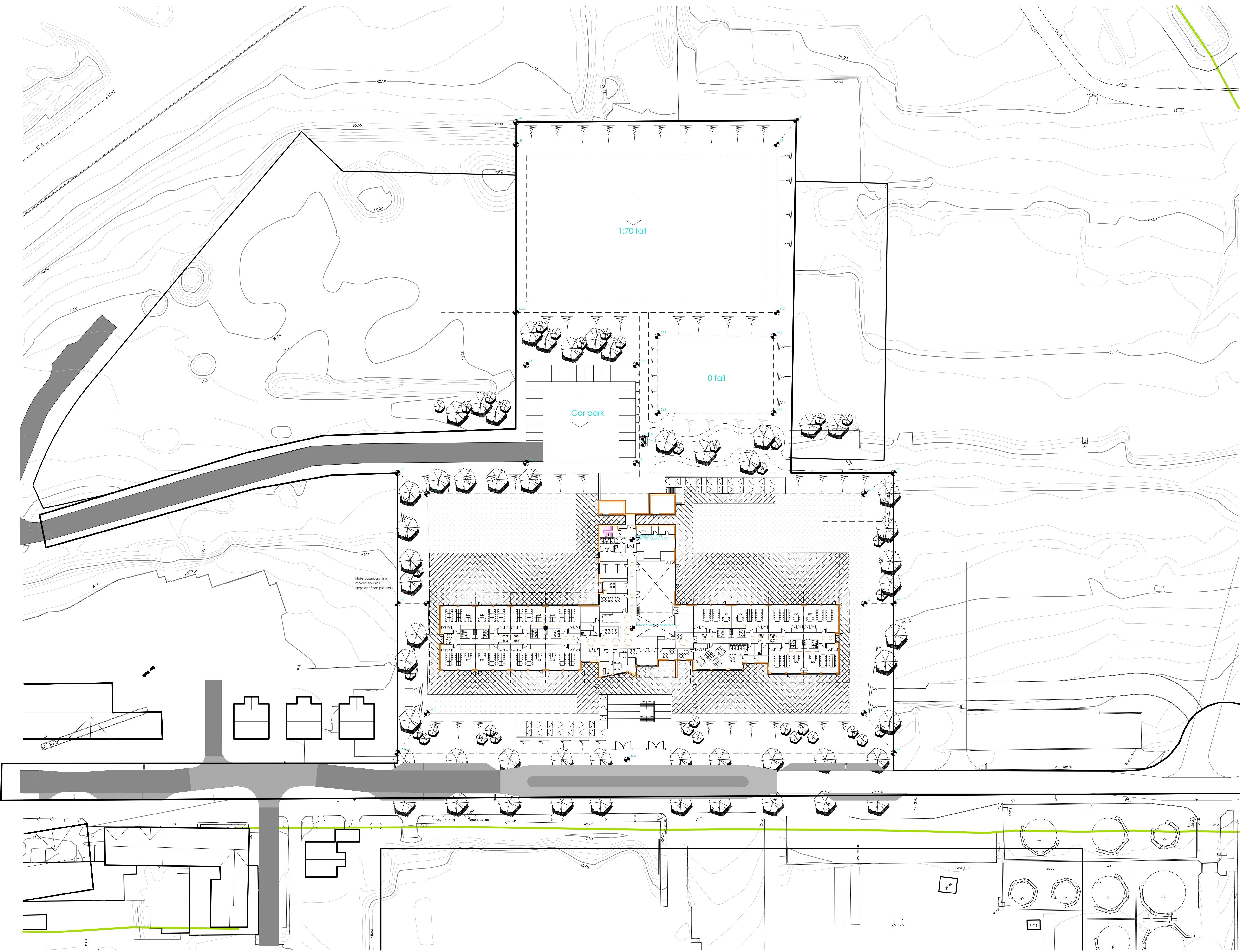
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RECENT EXPLORATORY HOLE LOCATION PLAN

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	DATE	DATE	DATE
	06.05.15	06.05.15	

DRAWING NO	SHEET	PLOT DATE
5041216-REM-DWG-1938	A3	05.08.15

REV	
-	



This drawing to be read in conjunction with all specifications and all other consultants design information. Any contradictions between this drawing and any other design information to be advised to the contract administrator and author immediately.

The contractor to site measure, check and verify all information issued, and confirm the correctness of the contents prior to the commencement on site.

The contractor to comply with all current statutory legislation, Building Regulations, British Standards, and good building practice.

Do not scale from this drawing.

Revision		Date	Init
rev	description	date	dr by ap by

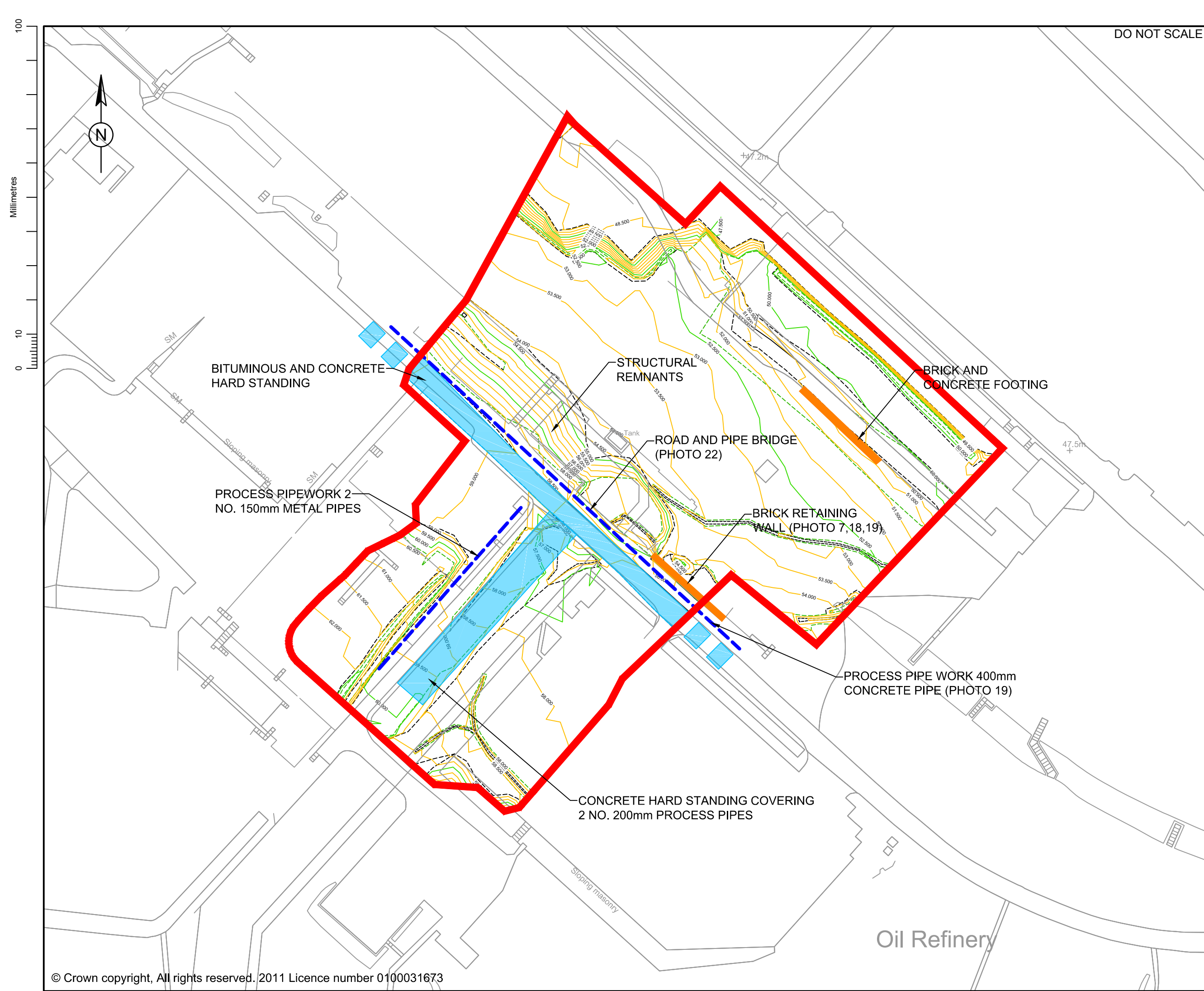
client: St Modwen			
project: Coed Darcy Primary School			
title: Proposed Site Plan			
date: 21.11.2014	scale: 1:500@A1	status: -	
drawn by: BB	job No: 10029	dwg No: A101	rev : ----
checked by: GCJ			
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DO NOT SCALE

KEY:

- MONITOR PHASE BOUNDARY
- MAJOR CONTOUR
- MINOR CONTOUR

Rev.	Date	Description	By	Chk'd	App'd
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Drawing Status	FOR INFORMATION	Suitability	S2
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Project Title

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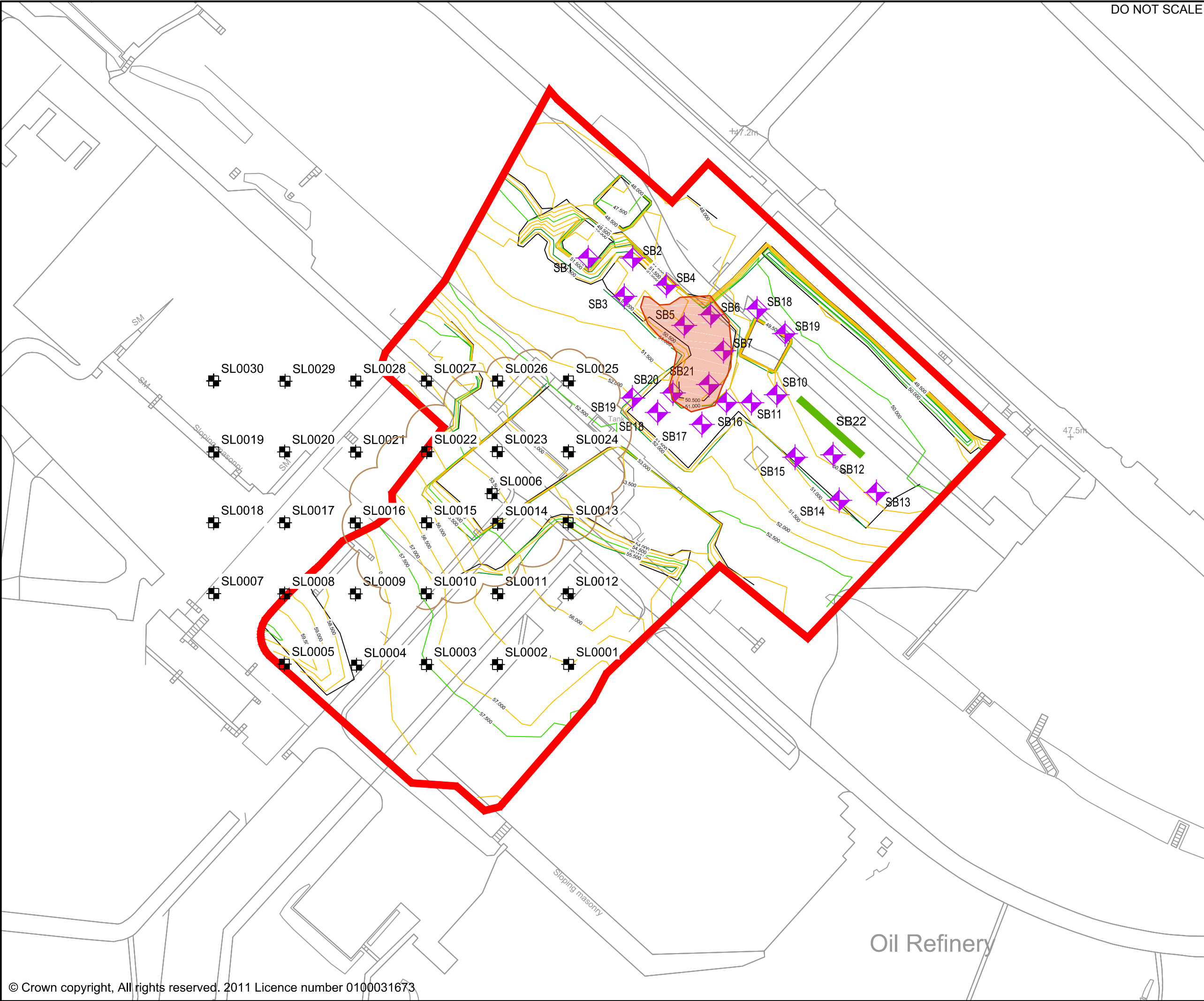
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MONITOR PHASE 33
MAJOR STRUCTURES REMOVED

Scale	Designed	Drawn	Checked	Authorised
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Original Size	Date	Date	Date	Date
A3	29/10/15	30/10/15	30/10/15	30/10/15
Drawing Number	Revision	P 1		
5041216-ATK-DR-C-REM-002129				

DO NOT SCALE

- KEY:
- MONITOR PHASE BOUNDARY
 - MAJOR CONTOUR
 - MINOR CONTOUR
 - SAMPLING LOCATION
 - RECENT SAMPLING LOCATION
 - AREA LOWERED TO REMOVE MODERATE SURFACE STAINING V-02-3
 - REMOVAL AREA OF HIGHLY ODEROUS TAR LIKE MATERIAL



P1						29/10/15						FIRST ISSUE						MJ		CS		MP	
Rev.		Date		Description										By		Chk'd		App'd					
Drawing Status														S2									
FOR INFORMATION														ATKINS									
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COED DARCY														Drawing Title									
MONITOR PHASE 33 ADDITIONAL SAMPLING LOCATIONS														Scale									
1:1000		Designed		Drawn		Checked		Authorised		Original Size		Date		Date		Date		Date					
A3				29/10/15		29/10/15		29/10/15		A3		29/10/15		29/10/15		29/10/15		29/10/15					
Drawing Number														Revision									
5041216-ATK-DR-C-REM-DWG-2118														P 1									

100
Millimetres

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0



DO NOT SCALE

Levels Table

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3	-4.000	-3.000	
4	-3.000	-2.000	
5	-2.000	-1.000	
6	-1.000	0.000	
7	0.000	1.000	
8	1.000	2.468	

NOTES:

1. THIS ISOPACHYTE COMPARES
MP33 PRE-WORKS SURVEY & MP33
AS-BUILT TOPO SURVEY PROVIDED
BY HAWK OCTOBER 2015.

KEY:

MONITOR PHASE BOUNDARY

CUT/FILL VOLUME WITHIN BOUNDARY:

CUT: 30,896m³
FILL: 220m³
NET: 30,675m³

P1	26/10/15	FIRST ISSUE	JSD	CS	MP
Rev.	Date	Description	By	Chkd	App'd

Drawing Status	Suitability
FOR INFORMATION	S2

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Project Title
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Drawing Title
MONITOR PHASE 33
ISOPACHYTE

Scale	Designed	Drawn	Checked	Authorised
1:1250		JSD	CS	MP
Original Size A3	Date	Date	Date	Date
		26/10/15	26/10/15	26/10/15

Drawing Number	Revision
5041216-ATK-DR-C-REM-2101	P 1

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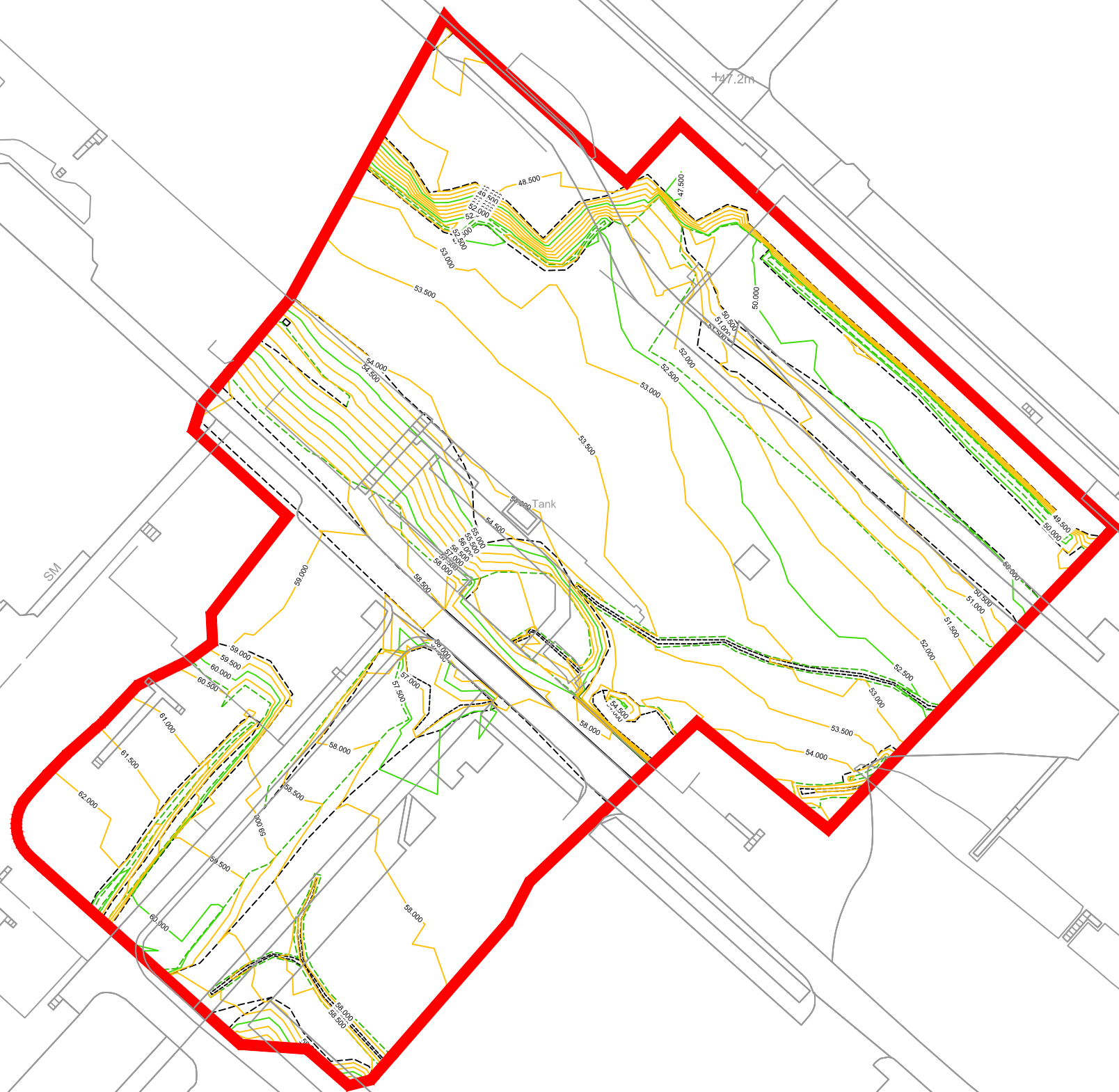
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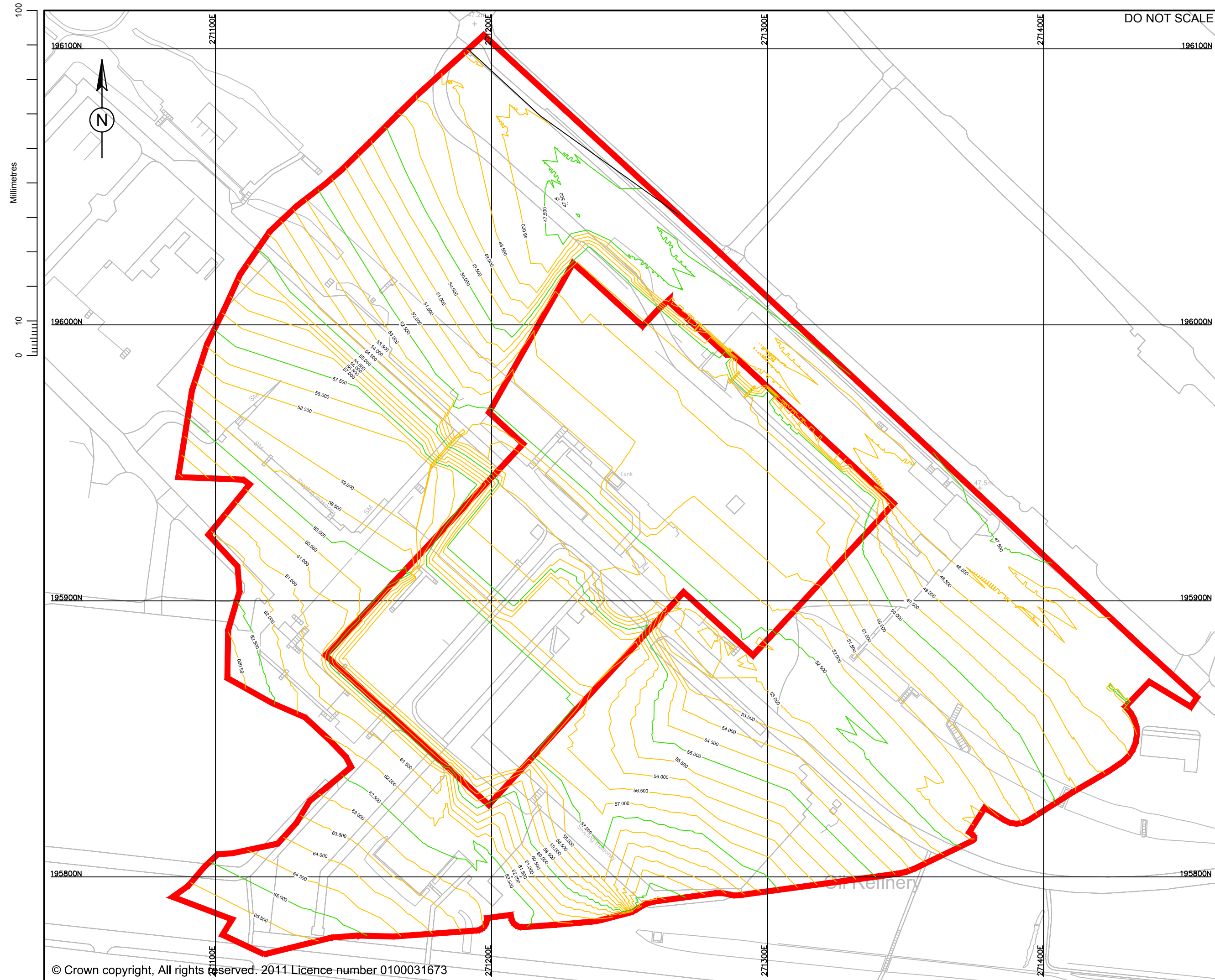
DO NOT SCALE

KEY:

- MONITOR PHASE BOUNDARY
- MAJOR CONTOUR
- MINOR CONTOUR



P1	26/10/15	FIRST ISSUE					MJ	CS	MP
Rev.	Date	Description					By	Chk'd	App'd
Drawing Status								Suitability	
FOR INFORMATION								S2	
						The Axis 10 Holliday Street Birmingham B1 1TF			
						Tel: +44 (0)1214 835000 Fax: +44 (0)1214 835252 www.atkinsglobal.com			
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Project Title									
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Drawing Title									
MONITOR PHASE 33 PRE-WORKS TOPOGRAPHIC SURVEY									
Scale	Designed	Drawn	Checked	Authorised					
1:1000		MJ	MP	MP					
Original Size	Date	Date	Date	Date					
A3		26/10/15	26/10/15	26/10/15					
Drawing Number								Revision	
5041216-ATK-DR-C-REM-DWG-2099								P 1	



KEY:

P1	13/10/15	FIRST ISSUE	MJ	MM	ML				
Rev.	Date	Description	By	Chk'd	App'd				
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FOR INFORMATION							S2		
						The Axis 10 Holiday Street Birmingham B1 1TF Tel: 044 (0)1214 835000 Fax: 044 (0)1214 835252 www.atkinsglobal.com			
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Project Title									
COED DARCY									
Drawing Title									
MONITOR PHASE 70 POST-WORKS TOPOGRAPHIC SURVEY									
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Drawing Number							Revision		
5041216-ATK-DR-C-REM-DWG-2076							P 1		

Appendices

Appendix A. Summary of Adopted Thresholds

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

Contaminant	Minimum of RTC (1%) / RBSL mg/kg	Minimum of RTC (3%) / RBSL mg/kg
Benzo(a)pyrene	>sat	>sat
Benzene	48	48
Toluene	>sat	>sat
Ethylbenzene	>sat	>sat
Xylene	478	1330
TPH aromatic C7-C8	>sat	>sat
TPH aromatic C8-C10	>sat	>sat
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 aromatic C16-C21	>sat	>sat
TPH aromatic C21-C35	>sat	>sat
TPH aliphatic C16-C21	>sat	>sat
TPH aliphatic C21-C35	>sat	>sat
Total TPH (Phase 1)	>sat	>sat
Total TPH (Process Area)	>sat	>sat
Total TPH (North Tank Farm)	>sat	>sat
Total TPH (South Tank Farm)	>sat	>sat
1,2-Dichloroethane	6	6
1,1,1-Trichloroethane	>sat	>sat
Tetrachloroethene	1780	1780
Trichloroethene	269	269
Vinyl chloride	8.21	11.4
Dichloromethane	6220	6220
Cis-1,2-Dichloroethene	881	881
Trans-1,2 Dichloroethene	881	881
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(ah)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
TPH aromatic C5-C7	432	928
TPH aliphatic C5-C6	>sat	>sat
1,1,1,2-Tetrachloroethane	>sat	>sat
1,1,2,2-Tetrachloroethane	>sat	>sat
Carbon tetrachloride	301	778
Chlorobenzene	>sat	>sat

Notes

- Where the lower of the vapour or aqueous saturation limits has been exceeded by the RTC calculated, the hazard quotient is considered to be less than 1 and as such >sat has been presented
- Xylene - Users must consider total exposure from all xylene isomers and not consider them in isolation. It should be noted that the value presented is the lowest of the aqueous or vapour saturation limits. The lowest saturation limit of the three isomers has been presented.
- TPH aromatic C7-C8 is considered to comprise toluene only by Atkins
- TPH >C16 are not considered to be volatile according to TPHCWG. Consequently the inhalation of vapour pathways have not been considered and therefore no value has been presented here
- '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
- 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-00216
- TPH aromatic C5-C7 is considered to comprise benzene only

Contaminant	Minimum of RTC (1%) / RBSL mg/kg	Minimum of RTC (3%) / RBSL mg/kg
Benzo(a)pyrene	>sat	>sat
Benzene	0.4	0.4
Toluene	52	52
Ethylbenzene	140	140
Xylene	58	58
TPH aromatic C7-C8	146	146
TPH aromatic C8-C10	71	209
TPH aromatic C10-C12	1390	1390
TPH aromatic C12-C16	>sat	>sat
TPH aliphatic C6-C8	>sat	>sat
TPH aliphatic C8-C10	42.5	125
TPH aliphatic C10-C12	>sat	>sat
TPH aliphatic C12-C16	>sat	>sat
TPH aliphatic C16-C21	>sat	>sat
TPH aliphatic C21-C35	>sat	>sat
TPH aromatic C16-C21	>sat	>sat
TPH aromatic C21-C35	>sat	>sat
Total TPH (Phase 1)	9180	9180
Total TPH (Process Area)	4100	4100
Total TPH (North Tank Farm)	3800	3800
Total TPH (South Tank Farm)	2790	2790
1,2-Dichloroethane	0.0111	0.0176
1,1,1-Trichloroethane	10.8	25.9
Tetrachloroethene	2.3	6.12
Trichloroethene	0.188	0.463
Vinyl chloride	0.00093	0.00129
Dichloromethane	4.19	6.04
Cis-1,2-Dichloroethene	0.206	0.392
Trans-1,2 Dichloroethene	0.332	0.689
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(ah)anthracene	>sat	>sat
Fluoranthene	>sat	>sat
Fluorene	>sat	>sat
Indeno(1,2,3-cd)pyrene	>sat	>sat
Pyrene	>sat	>sat
Phenol	1030	2340
Mercury (methyl)	27.7	62.5
Mercury (elemental)	0.291	0.87
Naphthalene	2.8	8.02
TPH aromatic C5-C7	0.46	0.987
TPH aliphatic C5-C6	112	246
1,1,1,2-Tetrachloroethane	1.84	5.09
1,1,2,2-Tetrachloroethane	4.71	11.3
Carbon tetrachloride	0.0309	0.0801
Chlorobenzene	17.9	47.9

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
- '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
- 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-00216
- TPH aromatic C5-C7 is considered to comprise benzene only

Appendix B. Exploratory Hole Logs

Logged NK Checked AP	Start 18/03/2015 End 18/03/2015	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 1.3m Terminated on bedrock.	Dimensions and Orientation Width 1.00 m Length 2.50 m A D B C ➔	Ground Level Coordinates National Grid Chainage	- - -	
Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 Brown silty gravelly, fine to coarse SAND with medium cobble content. Gravel is subangular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded of sandstone. (VO = 0,0)	(0.40)		
			2 Grey slightly silty gravelly, fine to medium SAND with medium cobble content. Gravel is subangular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded of sandstone. (VO = 3,1)	(0.90)		
			EXPLORATORY HOLE ENDS AT 1.30 m	1.30		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m)			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather 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 426.4817/04/2015 13:36:36 			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit IP4071 Sheet 1 of 1		

Trial Pit Log



Logged NK Checked AP		Start 18/03/2015 End 18/03/2015	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 2.50 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 Stiff dark grey slightly sandy gravelly CLAY 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 = 2,0)		(0.70)		
1.50	ES 2		2 Light grey mottled light brown gravelly, fine to coarse SAND with medium cobble content. Gravel is subangular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded of sandstone. (VO = 2,3)		0.70 (1.90)		
2.50	ES 3		EXPLORATORY HOLE ENDS AT 2.60 m 2.60 m Bedrock.		2.60		
Depth	Type & No.	Records Date					
Groundwater Entries No. Struck Post Strike Behaviour (m)			Depth Related Remarks * From to (m)		Stability Stable Shoring None Weather 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 IP4072 Sheet 1 of 1		



Logged NK Checked AP	Start 18/03/2015 End 18/03/2015	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 2.50 m A D B C →		Ground Level Coordinates National Grid Chainage	
Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 Brown silty gravelly, fine to coarse SAND with medium cobble content. Gravel is subangular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded of sandstone. (VO = 1,2)	(3.00)		
1.50	ES 2					
2.50	ES 3					
			EXPLORARY HOLE ENDS AT 3.00 m	3.00		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m)			Depth Related Remarks * From to (m)		Stability Stable Shoring None Weather 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 426.4817/04/2015 13:36:54 ES			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit IP4076 Sheet 1 of 1	

[illegible]

Trial Pit Log



Logged AJ Checked AP		Start 17/03/2015 End 17/03/2015	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 4.0m 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
0.50	ES 1		1 Orangish brown frequently dark grey stained slightly gravelly slightly clayey, fine to coarse SAND. Gravel is subangular to subrounded, fine to coarse of sandstone. (VO = 2,2) becoming (VO = 0,1) from 3.7m depth.		(4.00)		
1.50	ES 2						
2.50	ES 3						
3.50	ES 4						
			EXPLORATORY HOLE ENDS AT 4.00 m		4.00		
			4.00 m Concrete.				
Depth	Type & No.	Records Date					
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)		Stability Stable Shoring None Weather Dry		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4817/04/2015 13:37:10			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit IP4079 Sheet 1 of 1		

Trial Pit Log



Logged AJ Checked AP		Start 17/03/2015 End 17/03/2015	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 5.0m Terminated at maximum reach of excavator.	Dimensions and Orientation Width 1.60 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) Red gravelly slightly clayey, 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)	(1.00)		
1.50	ES 2		2 Brown sandy clayey subangular to subrounded, fine to coarse GRAVEL of sandstone with medium cobble content. Cobbles are subangular to subrounded of sandstone. Sand is fine to coarse. (VO = 1,2)	1.00		
2.50	ES 3					
3.50	ES 4			(4.00)		
4.50	ES 5					
Depth	Type & No.	Records Date	EXPLORATORY HOLE ENDS AT 5.00 m			
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)		Stability Stable Shoring None Weather Dry	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4817/04/2015 13:37:15			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit IP4080 Sheet 1 of 1	

Trial Pit Log



Logged AJ Checked AP		Start 17/03/2015 End 17/03/2015	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 4.8m Terminated at maximum reach of excavator.		Dimensions and Orientation Width 1.60 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 Orangish brown slightly gravelly slightly clayey, fine to coarse SAND. Gravel is subangular to subrounded, fine to coarse of sandstone. (VO = 0,0)			(1.00)		
			2 Dark grey gravelly slightly clayey, fine to coarse SAND. Gravel is subangular to subrounded, fine to coarse of sandstone. (VO = 3,3)			1.00 (0.40)		
1.50	ES 2		3 Brown sandy slightly clayey subangular to rounded, fine to coarse GRAVEL of sandstone with medium cobble content. Cobbles are subangular to subrounded of sandstone. (VO = 1,0)			1.40		
2.50	ES 3							
3.50	ES 4					(3.40)		
4.50	ES 5							
			EXPLORATORY HOLE ENDS AT 4.80 m			4.80		
Depth	Type & No.	Records Date						
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)			Stability Stable Shoring None Weather 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 426.4817/04/2015 13:37:20 AGS			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited			Trial Pit IP4081 Sheet 1 of 1		

Trial Pit Log



Logged AJ Checked AP		Start 17/03/2015 End 17/03/2015	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 5.0m Terminated at maximum reach of excavator.	Dimensions and Orientation Width 1.60 m Length 3.50 m A B C D B C		Ground Level Coordinates National Grid Chainage	
Samples and Tests			Strata				
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments	
0.50	ES 1		1 Light brown sandy subangular to subrounded, fine to coarse GRAVEL of sandstone with low cobble content. Cobbles are subangular to subrounded of sandstone. Sand is fine to coarse. (VO = 0,0)	(1.30)			
1.50	ES 2		2 Grey becoming brown with depth gravelly slightly clayey, fine to coarse SAND. Gravel is subangular to subrounded, fine to coarse of sandstone. (VO = 2,3) becoming (VO = 0,0) from 3..30m.	1.30			
2.50	ES 3						
3.50	ES 4			(3.70)			
4.50	ES 5						
Depth	Type & No.	Records Date	EXPLORATORY HOLE ENDS AT 5.00 m				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)			Stability Stable Shoring None Weather Dry	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4817/04/2015 13:37:24 AGS			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited			Trial Pit IP4082 Sheet 1 of 1	

Trial Pit Log



Logged AJ Checked AP		Start 17/03/2015 End 17/03/2015	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 0.5m 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
		*	1 (MADE GROUND) Orangish brown gravelly slightly clayey, fine to coarse SAND. Gravel is subangular to subrounded, fine to coarse of sandstone. (VO = 0,0)			(0.50)		
			EXPLORATORY HOLE ENDS AT 0.50 m Concrete.			0.50		
Depth	Type & No.	Records Date						
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m) 0.00 No Samples Obtained.			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 426.4817/04/2015 13:37:27			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited			Trial Pit IP4083 Sheet 1 of 1		

Trial Pit Log



Logged AJ Checked AP		Start 17/03/2015 End 17/03/2015	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 0.5m Terminated due to metal pipe.	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	
		*	(MADE GROUND) Brown gravelly slightly clayey, fine to coarse SAND. Gravel is subangular to subrounded, fine to coarse of sandstone. Rare subangular cobbles of brick. (VO = 1,1)	(0.50)			
			EXPLORATORY HOLE ENDS AT 0.50 m 0.50 m Metal pipe running Face A-C (300mm in diameter).	0.50			
Depth	Type & No.	Records Date					
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m) 0.00 0.50 No Samples Obtained.		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 426.4817/04/2015 13:37:31			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit IP4084 Sheet 1 of 1		

Trial Pit Log



Logged JH Checked AP		Start 16/03/2015 End 16/03/2015		Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 4.30m. 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) Firm orangish brown slightly sandy gravelly SILT with low cobble content. Gravel is subangular to subrounded fine to coarse of sandstone. Cobbles are subrounded to well rounded of sandstone and brick. (VO = 1,1)					(1.40)		
1.50	ES 2		2 Black slightly sandy subangular to subrounded fine to coarse GRAVEL of clinker. Sand is fine to coarse of ash. (VO = 0,0)					1.40		
2.50	ES 3		3 Orangish grey slightly sandy gravelly SILT with low cobble content. Gravel is subangular to subrounded fine to coarse of sandstone. Cobbles are subrounded to well rounded of sandstone. (VO = 0,0)					1.60		
3.50	ES 4							(2.70)		
			EXPLORATORY HOLE ENDS AT 4.30 m 4.30 m Bedrock					4.30		
Depth	Type & No.	Records Date								
Groundwater Entries No. Struck Post Strike Behaviour (m) 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 16:37:52			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited					Trial Pit IP4085 Sheet 1 of 1		

Trial Pit Log



Logged JH Checked AP		Start 16/03/2015 End 16/03/2015	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 3.60m. 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) Firm slightly sandy gravelly SILT with moderate cobble content. Gravel is subangular to subrounded fine to coarse of sandstone and brick. Cobbles are subrounded to well rounded of sandstone. (VO = 0,0)	(1.00)			
1.50	ES 2		2 Firm grey slightly sandy gravelly SILT with moderate cobble content. Cobbles are subrounded to well rounded of sandstone. (VO = 0,0)	1.00			
2.50	ES 3			(2.60)			
3.50	ES 4			3.60			
			EXPLORATORY HOLE ENDS AT 3.60 m	3.60 m Bedrock.			
Depth	Type & No.	Records Date					
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)			Stability Stable Shoring None Weather 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 16:37:57			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited			Trial Pit IP4086 Sheet 1 of 1	

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Trial Pit Log

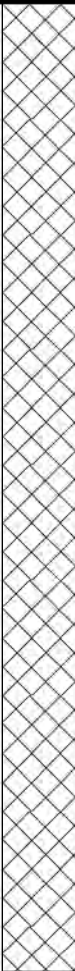


Logged JH Checked AP		Start 16/03/2015 End 16/03/2015	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 4.40m. Terminated on bedrock.		Dimensions and Orientation Width 1.60 m Length 3.50 m A B C D →		Ground Level Coordinates National Grid Chainage		- - -
Samples and Tests			Strata						
Depth	Type & No.	Date Records	Description				Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 Orangish brown slightly sandy silty subangular to subrounded fine to coarse GRAVEL of sandstone with moderate cobble content. Sand is fine to coarse. Cobbles are subrounded to well rounded of sandstone. (VO = 0,0)				(4.40)		
1.50	ES 2								
2.50	ES 3								
3.50	ES 4								
			EXPLORATORY HOLE ENDS AT 4.40 m				4.40		
			4.40 m Bedrock						
Depth	Type & No.	Records Date							
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)				Stability Unstable Shoring None Weather Rain		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. (c) ESG www.esg.co.uk 426.4815/04/2015 16:38:07			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited				Trial Pit IP4090 Sheet 1 of 1		

Trial Pit Log



Logged JH Checked AP		Start 16/03/2015 End 16/03/2015	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 4.10m. Terminated on bedrock.		Dimensions and Orientation Width 1.60 m Length 3.50 m A B C D 320 (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) Orangish brown slightly sandy silty subangular to subrounded, fine to coarse GRAVEL of sandstone, brick and concrete with medium cobble content. Sand is fine to coarse. Cobbles are subangular to subrounded of sandstone and brick. (VO = 0,0)			(2.00)		
1.50	ES 2							
2.50	ES 3		2 Brownish grey slightly sandy, silty subangular to subrounded, fine to coarse GRAVEL of sandstone with medium cobble content. Sand is fine to coarse. Cobbles are subrounded to well rounded of sandstone. (VO = 0,0)			2.00		
3.50	ES 4					(2.10)		
			EXPLORATORY HOLE ENDS AT 4.10 m			4.10		
			4.10 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 (c) ESG www.esg.co.uk 426.4815/04/2015 16:38:14			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited			Trial Pit IP4091 Sheet 1 of 1		

Logged JH Checked AP	Start 16/03/2015 End 16/03/2015	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 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 (MADE GROUND) Firm greyish brown slightly sandy gravelly SILT with medium cobble content. Gravel is subangular to subrounded fine to coarse of sandstone and brick. Cobbles are subrounded to well rounded of sandstone and brick. (VO = 2,3)			
1.50	ES 2			(3.20)		
2.50	ES 3					
			EXPLORARY HOLE ENDS AT 3.20 m	3.20		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather 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 16:38:20 			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit IP4092 Sheet 1 of 1		

Trial Pit Log



Logged JH Checked AP		Start 16/03/2015 End 16/03/2015	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 3.70m. 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) Black slightly sandy subangular to subrounded fine to coarse GRAVEL of clinker with low cobble content. Sand is fine to coarse of ash. Cobbles are angular of brick. (VO = 0,1)	(1.10)			
1.50	ES 2		2 Firm greyish brown slightly sandy gravelly SILT with medium cobble content. Gravel is subangular to subrounded fine to coarse of sandstone and brick. Sand is fine to coarse. Cobbles are subangular to subrounded of sandstone and brick. (VO = 0,0)	1.10			
2.50	ES 3			(2.60)			
3.50	ES 4			3.70			
			EXPLORATORY HOLE ENDS AT 3.70 m	3.70 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. (c) ESG www.esg.co.uk 426.4815/04/2015 16:38:23 AGS			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited			Trial Pit IP4093 Sheet 1 of 1	

Trial Pit Log



Logged AJ Checked AP		Start 16/03/2015 End 16/03/2015	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 5.00m. Terminated at maximum reach of excavator.	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 Orangish brown slightly gravelly slightly clayey fine to coarse SAND. Gravel is subangular to subrounded, fine to coarse of sandstone. (VO = 0,0)	(1.40)			
1.50	ES 2		2 Grey 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)	1.40			
2.50	ES 3						
3.50	ES 4			(3.60)			
4.50	ES 5						
Depth	Type & No.	Records Date	EXPLORATORY HOLE ENDS AT 5.00 m				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)			Stability Stable Shoring None Weather Dry	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. (c) ESG www.esg.co.uk 426.4815/04/2015 16:38:28 AGS			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited			Trial Pit IP4094 Sheet 1 of 1	

Trial Pit Log



Logged AJ Checked AP		Start 17/03/2015 End 17/03/2015	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 5.0m Terminated at maximum reach of excavator.		Dimensions and Orientation Width 1.60 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 Light brown frequently dark grey stained sandy subangular to subrounded, fine to coarse GRAVEL of sandstone with medium cobble content. Cobbles are subangular to subrounded of sandstone. Sand is fine to coarse. (VO = 2,3)			(2.30)		
1.50	ES 2							
2.50	ES 3		2 Greyish brown sandy clayey subangular to subrounded, fine to coarse GRAVEL of sandstone with medium cobble content. Cobbles are subangular to subrounded of sandstone. Sand is fine to coarse. (VO = 2,4)			2.30		
3.50	ES 4					(2.10)		
4.50	ES 5		3 Orangish brown sandy subangular to subrounded, fine to coarse GRAVEL of sandstone with medium cobble content. Cobbles are subangular to subrounded of sandstone. Sand is fine to coarse.			4.40		
						(0.60)		
Depth	Type & No.	Records Date	EXPLORATORY HOLE ENDS AT 5.00 m					
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)			Stability Stable Shoring None Weather Dry		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. (c) ESG www.esg.co.uk 426.4817/04/2015 13:37:41 AGS			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited			Trial Pit IP4095 Sheet 1 of 1		

Trial Pit Log



Logged AJ Checked AP		Start 17/03/2015 End 17/03/2015	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 5.0m Terminated at maximum reach of excavator.	Dimensions and Orientation Width 1.60 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 Firm grey sandy gravelly SILT. Gravel is subangular to subrounded, fine to coarse of sandstone. Sand is fine to coarse. (VO = 2,4)				
1.50	ES 2			(3.00)			
2.50	ES 3						
3.50	ES 4		2 Brown sandy slightly clayey subangular to subrounded, fine to coarse GRAVEL of sandstone with medium cobble content. Cobbles are subangular to subrounded of sandstone. Sand is fine to coarse. (VO = 1,1)	3.00			
4.50	ES 5		3 Grey sandy clayey, subrounded to rounded, fine to coarse GRAVEL of sandstone with high cobble content. Cobbles are subrounded to rounded of sandstone. Sand is fine to coarse. (VO = 2,1)	4.20			
				(0.80)			
Depth	Type & No.	Records Date	EXPLORATORY HOLE ENDS AT 5.00 m				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)			Stability Stable Shoring None Weather Dry	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. (c) ESG www.esg.co.uk 426.4817/04/2015 13:37:47 AGS			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited			Trial Pit IP4096 Sheet 1 of 1	

Trial Pit Log



Logged AJ Checked AP		Start 17/03/2015 End 17/03/2015	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 5.0m Terminated at maximum reach of excavator.	Dimensions and Orientation Width 1.60 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 Orangish brown slightly gravelly slightly clayey, fine to coarse SAND. Gravel is subangular to subrounded, fine to coarse of sandstone. (VO = 0,0)	(0.40)			
1.50	ES 2		2 Grey slightly gravelly clayey, fine to coarse SAND. Gravel is subangular to subrounded, fine to coarse of sandstone. (VO = 2,4)	0.40			
2.50	ES 3			(2.90)			
3.50	ES 4		3 Firm dark grey gravelly SILT with medium cobble content. Gravel is subangular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded of sandstone. (VO = 2,3)	3.30			
4.50	ES 5			(1.70)			
Depth	Type & No.	Records Date	EXPLORATORY HOLE ENDS AT 5.00 m				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)			Stability Stable Shoring None Weather Dry	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. (c) ESG www.esg.co.uk 426.4817/04/2015 13:37:53 AGS			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited			Trial Pit IP4097 Sheet 1 of 1	

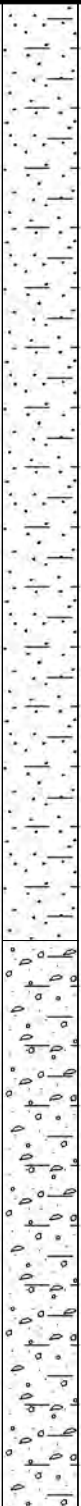
Trial Pit Log



Logged AJ Checked AP		Start 17/03/2015 End 17/03/2015	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 5.0m Terminated at maximum reach of excavator.	Dimensions and Orientation Width 1.60 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 sandy slightly clayey subangular to subrounded, fine to coarse GRAVEL of sandstone with low cobble content. Cobbles are subangular to subrounded of sandstone. Sand is fine to coarse. Rare metal and plastic fragments. (VO = 0,0)	(0.60)					
1.50	ES 2		2 Greyish brown sandy slightly clayey subangular to subrounded, fine to coarse GRAVEL of sandstone with medium cobble content. Cobbles are subangular to subrounded of sandstone. Sand is fine to coarse. (VO = 2,3)	0.60					
2.50	ES 3			(2.70)					
3.50	ES 4		3 Grey sandy slightly clayey subangular to subrounded, fine to coarse GRAVEL of sandstone with medium cobble content. Cobbles are subangular to subrounded of sandstone. Sand is fine to coarse. (VO = 2,3)	3.30					
4.50	ES 5			(1.70)					
Depth	Type & No.	Records Date	EXPLORATORY HOLE ENDS AT 5.00 m						
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)		Stability Stable Shoring None Weather Dry				
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4817/04/2015 13:37:58			Project Coed Darcy Site-wide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit IP4098 Sheet 1 of 1				

Trial Pit Log



Logged AJ Checked AP		Start 17/03/2015 End 17/03/2015	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 5.0m Terminated at maximum reach of excavator.	Dimensions and Orientation Width 1.60 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 Orangish brown becoming greyish brown from 0.4m gravelly clayey, fine to coarse SAND. Gravel is subangular to subrounded, fine to coarse of sandstone. (VO = 2,4)	(3.10)			
1.50	ES 2						
2.50	ES 3						
3.50	ES 4		2 Grey sandy slightly clayey subangular to rounded, fine to coarse GRAVEL of sandstone with medium cobble content. Cobbles are subangular to subrounded of sandstone. Sand is fine to coarse. (VO = 2,2)	3.10			
4.50	ES 5						
Depth	Type & No.	Records Date	EXPLORATORY HOLE ENDS AT 5.00 m				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)			Stability Stable Shoring None Weather Dry	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4817/04/2015 13:38:04			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited			Trial Pit IP4099 Sheet 1 of 1	

Trial Pit Log



Logged AJ Checked AP		Start 17/03/2015 End 17/03/2015	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 0.5m 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
		*	1 (MADE GROUND) Brown sandy slightly clayey subangular to subrounded, fine to coarse GRAVEL of sandstone, brick and concrete with high cobble content. Cobbles are subangular to subrounded of sandstone, brick and concrete. (VO = 0,0)	(0.50)		
			EXPLORATORY HOLE ENDS AT 0.50 m Concrete.	0.50		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m) 0.00 0.50 No Samples Obtained.	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 426.4817/04/2015 13:38:07			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit IP4100 Sheet 1 of 1		

Trial Pit Log



Logged JH Checked AP		Start 18/03/2015 End 18/03/2015		Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 2.2m Terminated on concrete.		Dimensions and Orientation Width 1.60 m Length 3.50 m A B C D 131 (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 brown with black staining slightly sandy gravelly SILT 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. (VO = 1,1)					(2.20)		
1.50	ES 2									
			EXPLORATORY HOLE ENDS AT 2.20 m					2.20		
			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 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 426.4817/04/2015 13:38:11			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited					Trial Pit IP4101 Sheet 1 of 1		

Trial Pit Log



Logged AJ Checked AP		Start 17/03/2015 End 17/03/2015	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 5.0m Terminated at maximum reach of excavator.	Dimensions and Orientation Width 1.60 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 Brown sandy slightly clayey subangular to subrounded, fine to coarse GRAVEL of sandstone with medium cobble content. Cobbles are subangular to subrounded of sandstone. Sand is fine to coarse. (VO = 2,3)	(2.00)			
1.50	ES 2						
2.50	ES 3		2 Grey sandy slightly clayey subangular to rounded, fine to coarse GRAVEL of sandstone with medium cobble content. Cobbles are subangular to rounded of sandstone. Sand is fine to coarse. (VO = 2,0)	2.00			
3.50	ES 4			(3.00)			
4.50	ES 5						
Depth	Type & No.	Records Date	EXPLORATORY HOLE ENDS AT 5.00 m				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)			Stability Stable Shoring None Weather Dry	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4817/04/2015 13:38:14 			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited			Trial Pit IP4102 Sheet 1 of 1	

Trial Pit Log



Logged AJ Checked AP		Start 17/03/2015 End 17/03/2015	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 5.0m Terminated at maximum reach of excavator.	Dimensions and Orientation Width 1.60 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) Grey becoming brown from 2.0m gravelly slightly clayey, fine to coarse SAND. Gravel is subangular to subrounded, fine to coarse of sandstone. Occasional metal and timber fragments. (VO = 2,3)	(3.00)			
1.50	ES 2						
2.50	ES 3						
3.50	ES 4		2 Grey sandy slightly clayey subangular to subrounded, fine to coarse GRAVEL of sandstone with medium cobble content. Cobbles are subangular to subrounded of sandstone. Sand is fine to coarse. (VO = 2,2)	3.00			
4.50	ES 5		(2.00)				
Depth	Type & No.	Records Date	EXPLORATORY HOLE ENDS AT 5.00 m				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)			Stability Stable Shoring None Weather Dry	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. (c) ESG www.esg.co.uk 426.4817/04/2015 13:38:18 AGS			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited			Trial Pit IP4103 Sheet 1 of 1	

Trial Pit Log



Logged AJ Checked AP		Start 17/03/2015 End 17/03/2015	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 5.0m Terminated at maximum reach of excavator.	Dimensions and Orientation Width 1.60 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 Brownish grey gravelly slightly clayey, fine to coarse SAND. Gravel is subangular to subrounded, fine to coarse of sandstone. (VO = 2,3)		(2.30)		
1.50	ES 2						
2.50	ES 3		2 Brown gravelly slightly clayey, fine to coarse SAND. Gravel is subangular to subrounded, fine to coarse of sandstone. (VO = 0,1)		2.30 (0.60)		
3.50	ES 4		3 Grey sandy slightly clayey subrounded to rounded, fine to coarse GRAVEL of sandstone with medium cobble content. Cobbles are subangular to subrounded of sandstone. (VO = 2,0)		2.90 (2.10)		
4.50	ES 5						
Depth	Type & No.	Records Date	EXPLORATORY HOLE ENDS AT 5.00 m				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)		Stability Stable Shoring None Weather Dry		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4817/04/2015 13:38:21			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit IP4104 Sheet 1 of 1		

Trial Pit Log



Logged AJ Checked AP		Start 17/03/2015 End 17/03/2015	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 5.0m Terminated at maximum reach of excavator.	Dimensions and Orientation Width 1.60 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 Grey gravelly, fine to coarse SAND. Gravel is subangular to subrounded, fine to coarse of sandstone. (VO = 2,3)	(1.70)			
1.50	ES 2		1.00 m Becoming clayey.	1.70			
2.50	ES 3		2 Brown becoming grey from 4.40m sandy clayey subangular to subrounded, fine to coarse GRAVEL of sandstone with medium cobble content. Cobbles are subangular to subrounded of sandstone. (VO = 2,3) Becoming (VO = 2,0) from 4.40m.	(3.30)			
3.50	ES 4						
4.50	ES 5						
Depth	Type & No.	Records Date	EXPLORATORY HOLE ENDS AT 5.00 m				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)			Stability Stable Shoring None Weather Dry	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. (c) ESG www.esg.co.uk 426.4817/04/2015 13:38:24 AGS			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited			Trial Pit IP4105 Sheet 1 of 1	

Logged AJ Checked AP		Start 17/03/2015 End 17/03/2015	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 5.0m Terminated at maximum reach of excavator.	Dimensions and Orientation Width 1.60 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 Brownish grey slightly gravelly slightly clayey, fine to coarse SAND. Gravel is subangular to subrounded, fine to coarse of sandstone. (VO = 2,4)			(1.00)		
1.50	ES 2		2 Brown sandy clayey subangular to subrounded, fine to coarse GRAVEL of sandstone with medium cobble content. Cobbles are subangular to subrounded of sandstone. Sand is fine to coarse. Black free product seeping from face A. (VO = 5,4)			1.00		
2.50	ES 3					(2.30)		
3.50	ES 4		3 Grey sandy clayey subangular to subrounded, fine to coarse GRAVEL of sandstone with medium cobble content. Cobbles are subangular to subrounded of sandstone. Sand is fine to coarse. (VO = 2,3)			3.30		
4.50	ES 5					(1.70)		
Depth	Type & No.	Records Date	EXPLORATORY HOLE ENDS AT 5.00 m					
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)			Stability Stable Shoring None Weather Dry		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4817/04/2015 13:38:28 			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited			Trial Pit IP4106 Sheet 1 of 1		

Scale 1:25

Trial Pit Log



Logged JH Checked AP		Start 16/03/2015 End 16/03/2015	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 5.30m. Terminated at maximum reach of excavator.	Dimensions and Orientation Width 1.70 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) Firm grey brown slightly sandy gravelly SILT with moderate cobble content. Gravel is subangular to subrounded fine to coarse of sandstone and brick. Cobbles are angular of brick and sandstone. (VO = 1,1)	(1.60)			
1.50	ES 2			1.60			
2.50	ES 3		2 Firm grey brown slightly sandy gravelly SILT with moderate cobble content. Gravel is subangular to subrounded fine to coarse of sandstone. Cobbles are subrounded to well rounded of sandstone. (VO = 0,0)				
3.50	ES 4			(3.70)			
4.50	ES 5						
Depth	Type & No.	Records Date	Stratum continues to 5.30 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 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 16:38:38			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited			Trial Pit IP4108 Sheet 1 of 2	

Logged JH Checked AP	Start 16/03/2015 End 16/03/2015	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 5.30m. Terminated at maximum reach of excavator.	Dimensions and Orientation Width 1.70 m Length 3.50 m A B C →		Ground Level Coordinates National Grid Chainage	
Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
			2 Firm grey brown slightly sandy gravelly SILT with moderate cobble content. Gravel is subangular to subrounded fine to coarse of sandstone. Cobbles are subrounded to well rounded of sandstone. (VO = 0,0) EXPLOATORY HOLE ENDS AT 5.30 m	5.30		
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 16:38:39			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit IP4108 Sheet 2 of 2	

Trial Pit Log



Logged AJ Checked AP		Start 16/03/2015 End 16/03/2015	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 4.70m. Terminated at maximum reach of excavator.		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 Brown sandy clayey subangular to subrounded fine to coarse GRAVEL of sandstone with low cobble content. Sand is fine to coarse. Cobbles are subangular to subrounded of sandstone. (VO = 0,0) 1.30-1.60 m Locally grey.			(3.30)		
1.50	ES 2							
2.50	ES 3							
3.50	ES 4		2 Grey 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 = 3,0)			3.30		
4.50	ES 5					(1.40)		
			EXPLORATORY HOLE ENDS AT 4.70 m			4.70		
Depth	Type & No.	Records Date						
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)			Stability Stable Shoring None Weather 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 426.4815/04/2015 16:38:46			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited			Trial Pit IP4109 Sheet 1 of 1		

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Trial Pit Log



Logged AJ Checked AP		Start 16/03/2015 End 16/03/2015	Equipment, Methods and Remarks Kamtsu PC210 Machine excavated trial pit from GL to 5.10m.	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
			1 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 and brick. (VO = 0,0) EXPLORATORY HOLE ENDS AT 5.10 m		5.10		
Depth	Type & No.	Records Date					
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)		Stability Stable Shoring None Weather Dry		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4815/04/2015 16:38:52			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit IP4110 Sheet 2 of 2		

Trial Pit Log



Logged JH Checked AP		Start 16/03/2015 End 16/03/2015	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 2.60m. Terminated due to collapse.	Dimensions and Orientation Width 1.60 m Length 3.50 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 (MADE GROUND) Orangish brown slightly sandy silty subangular to subrounded fine to coarse GRAVEL of sandstone with moderate cobble content. Cobbles are subangular to subrounded of sandstone and rare brick. (VO = 0,0)	(2.60)			
1.50	ES 2						
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 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 16:38:57			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit IP4111 Sheet 1 of 1		

Trial Pit Log



Logged NK Checked AP		Start 25/03/2015 End 25/03/2015	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 3.00m. Terminated on bedrock.		Dimensions and Orientation Width 1.00 m Length 2.50 m A B C D		Ground Level Coordinates National Grid Chainage	
Samples and Tests			Strata					
Depth	Type & No.	Date Records	Description			Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (MADE GROUND) Light brown gravelly fine to coarse SAND with medium cobble content. Gravel is subangular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded of sandstone and brick. Rare cobble sized pockets of soft yellowish brown silt. (VO = 0,0)			(1.70)		
1.50	ES 2					1.70		
2.50	ES 3		2 Firm brown sandy gravelly SILT with medium cobble content. Sand is fine to coarse. Gravel is subangular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded of sandstone. (VO = 0,0)			(1.30)		
			EXPLORATORY HOLE ENDS AT 3.00 m			3.00		
			3.00 m Bedrock					
Depth	Type & No.	Records Date						
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)			Stability Stable Shoring None Weather Cloudy		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. (c) ESG www.esg.co.uk 426.4815/04/2015 16:39:00 AGS			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited			Trial Pit IP4112 Sheet 1 of 1		

Trial Pit Log



Logged JH Checked AP		Start 16/03/2015 End 16/03/2015	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 4.20m. 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 (MADE GROUND) Firm brown grey slightly sandy gravelly SILT with medium cobble content. Sand is fine to coarse. Gravel is subangular to subrounded fine to coarse of sandstone and rare brick. Cobbles are subangular to subrounded of sandstone, brick and concrete. (VO = 0,0)		(4.20)	
1.50	ES 2					
2.50	ES 3					
3.50	ES 4					
			EXPLORATORY HOLE ENDS AT 4.20 m		4.20	
			4.20 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 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 426.4815/04/2015 16:39:06			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit IP4114 Sheet 1 of 1	

Trial Pit Log



Logged AJ Checked AP		Start 16/03/2015 End 16/03/2015	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 5.20m. Terminated at maximum reach of excavator.	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) Orangish brown slightly gravelly slightly clayey fine to coarse SAND. Gravel is subangular to subrounded fine to coarse of sandstone. Sand is fine to coarse. (VO = 0,0)			(2.30)		
1.50	ES 2							
2.50	ES 3		2 (MADE GROUND) Brown sandy clayey subangular to subrounded fine to coarse GRAVEL of sandstone and brick with moderate cobble content. Cobbles are subangular to subrounded of sandstone and brick. Sand is fine to coarse. (VO = 0,0)			2.30		
3.50	ES 4					(2.90)		
4.50	ES 5							
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 426.4815/04/2015 16:39:09			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited			Trial Pit IP4115 Sheet 1 of 2		

Trial Pit Log



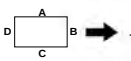
Logged AJ Checked AP		Start 16/03/2015 End 16/03/2015	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 5.20m. Terminated at maximum reach of excavator.	Dimensions and Orientation Width 1.60 m Length 3.50 m 	Ground Level - Coordinates - National Grid - Chainage -
Samples and Tests			Strata		
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend Backfill/ Instruments
			2 (MADE GROUND) Brown sandy clayey subangular to subrounded fine to coarse GRAVEL of sandstone and brick with moderate cobble content. Cobbles are subangular to subrounded of sandstone and brick. Sand is fine to coarse. (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			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited	Trial Pit IP4115 Sheet 2 of 2	



Trial Pit Log

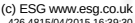


Logged AJ Checked AP		Start 16/03/2015 End 16/03/2015	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 5.20m. Terminated at maximum reach of excavator.	Dimensions and Orientation Width 1.60 m Length 3.50 m A B C D →		Ground Level Coordinates National Grid Chainage	
Samples and Tests			Strata				
Depth	Type & No.	Date Records	Description		Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 Orangish brown becoming brown sandy clayey subangular to subrounded fine to coarse GRAVEL of sandstone and brick with medium cobble content. Cobbles are subangular to subrounded of sandstone and brick. (VO = 0,0)		(4.30)		
1.50	ES 2						
2.50	ES 3						
3.50	ES 4		2 Grey stained sandy clayey subangular to subrounded fine to coarse GRAVEL with medium cobble content. Cobbles are subangular to subrounded of sandstone. Sand is fine to coarse. (VO = 3,2)		4.30		
4.50	ES 5						
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 426.4815/04/2015 16:39:25			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited			Trial Pit IP4116 Sheet 1 of 2	

Logged AJ Checked AP	Start 16/03/2015 End 16/03/2015	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 5.20m. Terminated at maximum reach of excavator.	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
			2 Grey stained sandy clayey subangular to subrounded fine to coarse GRAVEL with medium cobble content. Cobbles are subangular to subrounded of sandstone. Sand is fine to coarse. (VO = 3,2) 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 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 426.4815/04/2015 16:39:26 			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit IP4116 Sheet 2 of 2	

Trial Pit Log



Logged JH Checked AP		Start 16/03/2015 End 16/03/2015	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 5.20m. Terminated at maximum reach of excavator.	Dimensions and Orientation Width 2.00 m Length 3.50 m 		Ground Level Coordinates National Grid Chainage	
Samples and Tests			Strata				
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments	
0.50	ES 1		1 (MADE GROUND) Black slightly sandy silty subangular to subrounded fine to coarse GRAVEL of clinker with moderate cobble content. Sand is fine to coarse of ash. Cobbles are subangular to subrounded of brick and sandstone. (VO = 1,1)	(1.30)			
1.50	ES 2		2 Firm orangish brown becoming grey slightly sandy gravelly SILT with moderate cobble content. Cobbles are subrounded to well rounded of sandstone. Gravel is subangular to subrounded fine to coarse of sandstone. (VO = 0,0)	1.30			
2.50	ES 3						
3.50	ES 4			(3.90)			
4.50	ES 5						
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 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 16:39:30			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit IP4117 Sheet 1 of 2		

Trial Pit Log



Logged JH Checked AP		Start 16/03/2015 End 16/03/2015	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 5.20m. Terminated at maximum reach of excavator.	Dimensions and Orientation Width 2.00 m Length 3.50 m A B C D →	Ground Level - Coordinates - National Grid - Chainage -	
Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
			2 Frim orangish brown becoming grey slightly sandy gravelly SILT with moderate cobble content. Cobbles are subrounded to well rounded of sandstone. Gravel is subangular to subrounded fine to coarse of sandstone. (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 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 IP4117 Sheet 2 of 2		



Trial Pit Log



Logged JH Checked AP		Start 16/03/2015 End 16/03/2015		Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 4.90m. Terminated at maximum reach of excavator.		Dimensions and Orientation Width 1.70 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) Black brown slightly sandy subangular to subrounded fine to coarse GRAVEL of clinker with high cobble content. Sand is fine to coarse of ash. Cobbles are angular of brick and sandstone. (VO = 1,1)			(1.50)			
1.50	ES 2		2 Soft orangish brown becoming grey slightly sandy gravelly SILT with moderate cobble content. Gravel is subangular to subrounded fine to coarse of sandstone and brick. Cobbles are subrounded to well rounded of sandstone. (VO = 0,0)			1.50			
2.50	ES 3								
3.50	ES 4					(3.40)			
4.50	ES 5								
EXPLORATORY HOLE ENDS AT 4.90 m						4.90			
Depth	Type & No.	Records Date							
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)			Stability Unstable Shoring None Weather Rain			
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. (c) ESG www.esg.co.uk 426.4815/04/2015 16:39:35 AGS			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited			Trial Pit IP4118 Sheet 1 of 1			

Trial Pit Log

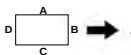


Logged JH Checked AP		Start 16/03/2015 End 16/03/2015	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 3.60m. Terminated on bedrock.	Dimensions and Orientation Width 1.60 m Length 3.50 m A B C D →	Ground Level Coordinates National Grid Chainage		
Samples and Tests			Strata				
Depth	Type & No.	Date Records	Description		Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (MADE GROUND) Brown black slightly sandy silty subangular to subrounded fine to coarse GRAVEL of ash, clinker and sandstone with moderate cobble content. Cobbles are angular of brick and sandstone. (VO = 2,2)		(2.10)		
1.50	ES 2						
2.50	ES 3		2 (MADE GROUND) Firm grey brown slightly sandy gravelly SILT with medium cobbel content. Gravel is subangular to subrounded fine to coarse of sandstone and brick. Cobbles are angular of brick and sandstone. (VO = 0,0)		2.10		
3.50	ES 4				(1.50)		
			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 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 16:39:40			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit IP4119 Sheet 1 of 1		

Trial Pit Log



Logged JH Checked AP		Start 16/03/2015 End 16/03/2015		Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 5.40m. Terminated at maximum reach of excavator.		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) Greyish brown slightly sandy silty subangular to subrounded fine to coarse GRAVEL of brick and sandstone with moderate cobble content. Cobbles are angular of brick, concrete and sandstone. (VO = 0,0)					(1.60)		
1.50	ES 2							1.60		
2.50	ES 3		2 Firm greyish brown slightly sandy gravelly SILT with moderate cobble content. Gravel is subangular to subrounded fine to coarse of sandstone. Cobbles are subrounded to well rounded of sandstone. (VO = 2,2)							
3.50	ES 4							(3.80)		
4.50	ES 5									
Depth	Type & No.	Records Date	Stratum continues to 5.40 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 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 16:39:43			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited					Trial Pit IP4120 Sheet 1 of 2		

Logged JH Checked AP		Start 16/03/2015 End 16/03/2015	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 5.40m. Terminated at maximum reach of excavator.		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
			2 Firm greyish brown slightly sandy gravelly SILT with moderate cobble content. Gravel is subangular to subrounded fine to coarse of sandstone. Cobbles are subrounded to well rounded of sandstone. (VO = 2,2)				5.40		
			EXPLORATORY HOLE ENDS AT 5.40 m						
Depth	Type & No.	Records Date							
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)				Stability Stable Shoring None Weather 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 IP4120 Sheet 2 of 2		

Trial Pit Log



Logged JH Checked AP		Start 16/03/2015 End 16/03/2015	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 4.20m. 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 (MADE GROUND) Firm slightly sandy gravelly SILT. Sand is fine to coarse. Gravel is subangular to subrounded fine to coarse of sandstone, brick and concrete. (VO = 1,1)		(4.20)		
1.50	ES 2						
2.50	ES 3						
3.50	ES 4						
			EXPLORATORY HOLE ENDS AT 4.20 m		4.20		
			4.20 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 Overcast		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4815/04/2015 16:39:48			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit IP4121 Sheet 1 of 1		

Trial Pit Log



Logged AJ Checked AP		Start 17/03/2015 End 17/03/2015	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 5.0m Terminated at maximum reach of excavator.	Dimensions and Orientation Width 1.60 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 Brown sandy clayey subangular to subrounded, fine to coarse GRAVEL of sandstone with medium cobble content. Cobbles are subangular to subrounded of sandstone. Sand is fine to coarse. (VO = 2,2)	(2.30)			
1.50	ES 2						
2.50	ES 3		2 Grey sandy clayey subrounded to rounded, fine to coarse GRAVEL of sandstone with medium cobble content. Cobbles are subrounded to rounded of sandstone. Sand is fine to coarse. (VO = 2,0)				
3.50	ES 4			(2.70)			
4.50	ES 5						
Depth	Type & No.	Records Date	EXPLORATORY HOLE ENDS AT 5.00 m				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)			Stability Stable Shoring None Weather Dry	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4817/04/2015 13:38:36			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited			Trial Pit IP4122 Sheet 1 of 1	

Trial Pit Log



Logged AJ Checked AP		Start 17/03/2015 End 17/03/2015	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 4.5m Terminated at maximum reach of excavator.	Dimensions and Orientation Width 1.60 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 Brownish grey becoming brown from 4.00m gravelly, fine to coarse SAND. Gravel is subangular to subrounded, fine to coarse of sandstone. (VO = 2,3)		(4.50)		
1.50	ES 2						
2.50	ES 3						
3.50	ES 4						
4.50	ES 5		EXPLORATORY HOLE ENDS AT 4.50 m		4.50		
Depth	Type & No.	Records Date					
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)		Stability Stable Shoring None Weather Dry		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. (c) ESG www.esg.co.uk 426.4817/04/2015 13:38:39 AGS			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit IP4123 Sheet 1 of 1		

Trial Pit Log



Logged JH Checked AP		Start 18/03/2015 End 18/03/2015	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 4.3m Terminated at maximum reach of excavator.		Dimensions and Orientation Width 1.60 m Length 3.50 m A B C D 048 (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 brown slightly sandy gravelly SILT with medium cobble content. Gravel is subangular to subrounded, fine to coarse of sandstone and brick. Cobbles are subangular to subrounded of brick and sandstone. (VO = 1,1)			(2.30)		
1.50	ES 2							
2.50	ES 3		2 Soft 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. Strong hydrocarbon odour. (VO = 2,3)			2.30		
3.50	ES 4					(2.00)		
			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 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 426.4817/04/2015 13:38:42			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited			Trial Pit IP4124 Sheet 1 of 1		

Trial Pit Log



Logged JH Checked AP		Start 18/03/2015 End 18/03/2015	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 5.5m Terminated at maximum reach of excavator.		Dimensions and Orientation Width 1.60 m Length 3.50 m A B C D 269 (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 with black staining slightly sandy slightly gravelly SILT. Gravel is subangular to subrounded, fine to coarse of sandstone with low cobble content of subrounded to well rounded sandstone. Strong odour and staining. (VO = 4,4)			(3.30)		
1.50	ES 2							
2.50	ES 3							
3.50	ES 4		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 = 2,2)			3.30		
4.50	ES 5					(2.20)		
Depth	Type & No.	Records Date	Stratum continues to 5.50 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 Fine		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4817/04/2015 13:38:46			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited			Trial Pit IP4125 Sheet 1 of 2		

Logged JH Checked AP	Start 18/03/2015 End 18/03/2015	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 5.5m Terminated at maximum reach of excavator.	Dimensions and Orientation Width 1.60 m Length 3.50 m A B C D ➔ 269 (Deg)	Ground Level - Coordinates - National Grid - Chainage -		
Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
			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 = 2,2)	5.50		
			EXPLORATORY HOLE ENDS AT 5.50 m			
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)		Stability Stable Shoring None Weather Fine	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4817/04/2015 13:38:46 			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit IP4125 Sheet 2 of 2	

Trial Pit Log



Logged JH Checked AP		Start 18/03/2015 End 18/03/2015	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 4.1m Terminated at maximum reach of excavator.	Dimensions and Orientation Width 1.60 m Length 3.50 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/ Instruments	
0.50	ES 1		1 Soft brownish 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. Strong hydrocarbon odour and oil staining. (VO = 3,4)	(4.10)			
1.50	ES 2						
2.50	ES 3						
3.50	ES 4						
			EXPLORATORY HOLE ENDS AT 4.10 m	4.10			
Depth	Type & No.	Records Date					
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)		Stability Stable Shoring None Weather 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 426.4817/04/2015 13:39:04			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit IP4128 Sheet 1 of 1		

Trial Pit Log



Logged JH Checked AP		Start 18/03/2015 End 18/03/2015	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 4.8m Terminated at maximum reach of excavator.	Dimensions and Orientation Width 1.60 m Length 3.50 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/ Instruments	
0.50	ES 1		1 Firm light brown slightly sandy gravelly SILT with low cobble content. Gravel is subangular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded of sandstone. (VO = 2,3)	(2.40)			
1.50	ES 2						
2.50	ES 3		2 Firm grey slightly sandy gravelly SILT with medium cobble content. Cobbles are subrounded to well rounded of sandstone. (VO = 1,1)	2.40			
3.50	ES 4			(2.40)			
4.50	ES 5						
			EXPLORATORY HOLE ENDS AT 4.80 m	4.80			
Depth	Type & No.	Records Date					
Groundwater Entries No. Struck Post Strike Behaviour (m) 1 1.80 Fast inflow, oily sheen.			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. (c) ESG www.esg.co.uk 426.4817/04/2015 13:39:08 AGS			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit IP4129 Sheet 1 of 1		

Trial Pit Log



Logged JH Checked AP		Start 24/03/2015 End 24/03/2015	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 1.10m. 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
0.50	ES 1		1 (MADE GROUND) Soft brown slightly sandy gravelly SILT. Sand is fine to coarse. Gravel is subangular to subrounded, fine to coarse of sandstone and brick. (VO = 1,0)	(1.10)		
			EXPLORATORY HOLE ENDS AT 1.10 m	1.10		
			1.10 m Concrete.			
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)		Stability Stable Shoring None Weather Windy	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4815/04/2015 13:49:07			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit IP4130 Sheet 1 of 1	

Trial Pit Log



Logged JH Checked AP		Start 18/03/2015 End 18/03/2015	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 2.0m Terminated on concrete.	Dimensions and Orientation Width 2.00 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	
0.50	ES 1		1 (MADE GROUND) Firm slightly sandy gravelly SILT. Gravel is subangular to subrounded, fine to coarse of sandstone and brick with medium cobble content. Cobbles are angular of brick. (VO = 0,0)	(2.00)			
1.50	ES 2						
			EXPLORATORY HOLE ENDS AT 2.00 m	2.00 Concrete pipe (500mm diameter).			
Depth	Type & No.	Records Date					
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)			Stability Stable Shoring None Weather Fine	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited			Trial Pit IP4131 Sheet 1 of 1	



Trial Pit Log



Logged AJ Checked AP		Start 17/03/2015 End 17/03/2015	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 5.0m Terminated at maximum reach of excavator.	Dimensions and Orientation Width 1.60 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 Greyish brown gravelly slightly clayey, fine to coarse SAND. Gravel is subangular to subrounded, fine to coarse of sandstone. (VO = 1,1)	(3.00)			
1.50	ES 2						
2.50	ES 3			3.00			
3.50	ES 4		2 Grey sandy clayey subrounded to rounded, fine to coarse GRAVEL of sandstone with medium cobble content. Cobbles are subangular to subrounded of sandstone. Sand is fine to coarse. (VO = 2,0)	(2.00)			
4.50	ES 5						
Depth	Type & No.	Records Date	EXPLORATORY HOLE ENDS AT 5.00 m				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)			Stability Stable Shoring None Weather Dry	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4817/04/2015 13:39:18 			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited			Trial Pit IP4132 Sheet 1 of 1	

Logged JH Checked AP	Start 16/03/2015 End 16/03/2015	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 3.80m. Terminated on bedrock.	Dimensions and Orientation Width 1.60 m Length 3.50 m A D B C →		Ground Level Coordinates National Grid Chainage	
Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50	ES 1		1 (MADE GROUND) Firm brown black slightly sandy gravelly SILT with moderate cobble content. Gravel is subangular to subrounded fine to coarse of sandstone and brick. Sand is fine to coarse. Cobbles are subangular to subrounded of sandstone and brick. (VO = 3,3)			
1.50	ES 2			(3.80)		
2.50	ES 3					
3.50	ES 4					
			EXPLORATORY HOLE ENDS AT 3.80 m	3.80		
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 Unstable Shoring None Weather Overcast	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4815/04/2015 16:39:52 ESG			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit IP4133 Sheet 1 of 1	

Trial Pit Log

[illegible]

Trial Pit Log



Logged JH Checked AP		Start 16/03/2015 End 16/03/2015	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 3.50m. Unable to progress through cobbles.	Dimensions and Orientation Width 1.60 m Length 3.50 m A B C D B C		Ground Level Coordinates National Grid Chainage	
Samples and Tests			Strata				
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments	
0.50	ES 1		1 (MADE GROUND) Black slightly sandy slightly silty subangular to subrounded fine to coarse GRAVEL of clinker and brick with moderate cobble content. Sand is fine to coarse of ash. Cobbles are angular of brick. (VO = 0,0)	(1.20)			
1.50	ES 2		2 Firm grey stained orange slightly sandy gravelly SILT with moderate cobble content. Gravel is subangular to subrounded fine to coarse of sandstone. Cobbles are subrounded to well rounded of sandstone. (VO = 1,0)	1.20			
2.50	ES 3			(2.30)			
3.50	ES 4		EXPLORATORY HOLE ENDS AT 3.50 m	3.50			
Depth	Type & No.	Records Date					
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)		Stability Unstable Shoring None Weather Overcast		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4815/04/2015 16:39:59			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit IP4135 Sheet 1 of 1		

Trial Pit Log



Logged JH Checked AP		Start 16/03/2015 End 16/03/2015		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 1.60 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) Black sandy subangular to subrounded fine to coarse GRAVEL of clinker with high cobble content. Sand is fine to coarse of ash. Cobbles are angular of brick. (VO = 0,0)				(1.40)			
1.50	ES 2		2 (MADE GROUND) Soft yellowish orange slightly sandy slightly gravelly CLAY with low cobble content. Gravel is subangular to subrounded fine to coarse of sandstone and brick. Cobbles are subangular to subrounded of brick. (VO = 0,0)				1.40 (1.20)			
2.50	ES 3		3 Soft grey slightly sandy gravelly SILT. Sand is fine to coarse. Gravel is subangular to subrounded fine to coarse of sandstone. (VO = 0,0)				2.60			
3.50	ES 4						(1.90)			
4.50	ES 5		EXPLORATORY HOLE ENDS AT 4.50 m				4.50			
Depth	Type & No.	Records Date								
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)				Stability Unstable Shoring None Weather Rain			
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4815/04/2015 16:40:02			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited				Trial Pit IP4136 Sheet 1 of 1			

Trial Pit Log



Logged JH Checked AP		Start 18/03/2015 End 18/03/2015	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 1.40 m Length 3.50 m A B C D 340 (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) Brown slightly sandy silty subangular to subrounded, fine to coarse GRAVEL with high cobble content. Cobbles are subangular to subrounded of sandstone and brick. (VO = 0,0)	(0.80)			
1.50	ES 2		2 Firm grey with black staining 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. Strongly oil stained. (VO = 3,3)	0.80			
2.50	ES 3						
3.50	ES 4			(4.40)			
4.50	ES 5						
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 Fine		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit IP4137 Sheet 1 of 2		



Trial Pit Log

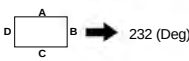


Logged JH Checked AP		Start 18/03/2015 End 18/03/2015	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 5.2m Terminated at maximum reach of excavator.	Dimensions and Orientation Width 1.40 m Length 3.50 m A B C D 340 (Deg)		Ground Level Coordinates National Grid Chainage		- - -
Samples and Tests			Strata					
Depth	Type & No.	Date Records	Description			Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
			2 Firm grey with black staining 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. Strongly oil stained. (VO = 3,3) 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 Fine		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4817/04/2015 13:39:22			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited			Trial Pit IP4137 Sheet 2 of 2		

Trial Pit Log



Logged JH Checked AP		Start 18/03/2015 End 18/03/2015	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 5.3m Terminated at maximum reach of excavator.	Dimensions and Orientation Width 1.60 m Length 3.50 m A B C D 232 (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 Greyish brown slightly sandy silty, fine to coarse subangular to subrounded GRAVEL with medium cobble content. Cobbles are subangular to subrounded of sandstone. (VO = 1,1)	(0.80)			
1.50	ES 2		2 Firm grey brown 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 = 2,2)	0.80			
2.50	ES 3						
3.50	ES 4						
4.50	ES 5			(4.50)			
Depth	Type & No.	Records Date	Stratum continues to 5.30 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 Fine		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4817/04/2015 13:39:26			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit IP4138 Sheet 1 of 2		

Logged JH Checked AP		Start 18/03/2015 End 18/03/2015		Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 5.3m Terminated at maximum reach of excavator.		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
			2 Firm grey brown 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 = 2,2) EXPLORATORY HOLE ENDS AT 5.30 m					5.30		
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 Fine		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4817/04/2015 13:39:27 			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited					Trial Pit IP4138 Sheet 2 of 2		

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Trial Pit Log



Logged JH Checked AP		Start 18/03/2015 End 18/03/2015	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 5.1m Terminated at maximum reach of excavator.	Dimensions and Orientation Width 1.60 m Length 3.50 m A B C D 044 (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 light brown slightly sandy slightly gravelly CLAY with medium cobble content. Gravel is subangular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded of sandstone. (VO = 0,0)	(2.30)			
1.50	ES 2						
2.50	ES 3		2 Firm grey slightly sandy gravelly SILT with low cobble content. Gravel is subangular to subrounded, fine to coarse of sandstone. Cobbles are subrounded to well rounded of sandstone. (VO = 0,0)	2.30			
3.50	ES 4			(2.80)			
4.50	ES 5						
Depth	Type & No.	Records Date	Stratum continues to 5.10 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 426.4817/04/2015 13:39:34 AGS			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit IP4140 Sheet 1 of 2		

Trial Pit Log



Logged JH Checked AP		Start 18/03/2015 End 18/03/2015	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 5.1m Terminated at maximum reach of excavator.	Dimensions and Orientation Width 1.60 m Length 3.50 m A B C D 044 (Deg)		Ground Level Coordinates National Grid Chainage		- - -
Samples and Tests			Strata					
Depth	Type & No.	Date Records	Description			Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
			2 Firm grey slightly sandy gravelly SILT with low cobble content. Gravel is subangular to subrounded, fine to coarse of sandstone. Cobbles are subrounded to well rounded of sandstone. (VO = 0,0) EXPLORATORY HOLE ENDS AT 5.10 m			5.10		
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		
Notes: For explanation of 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 IP4140 Sheet 2 of 2		



Trial Pit Log



Logged JH Checked AP		Start 18/03/2015 End 18/03/2015		Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 4.8m Terminated at maximum reach of excavator.		Dimensions and Orientation Width 1.60 m Length 3.50 m A B C D 213 (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) Soft brown slightly gravelly sandy SILT with low cobble content. Gravel is subangular to subrounded, fine to coarse of sandstone, slag, brick and concrete. Cobbles are subangular to subrounded of sandstone. (VO = 0,0)				(1.30)			
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. Strong oil staining and odour. (VO = 4,4)				1.30			
2.50	ES 3									
3.50	ES 4						(3.50)			
4.50	ES 5									
			EXPLORATORY HOLE ENDS AT 4.80 m				4.80			
Depth	Type & No.	Records Date								
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)				Stability Stable Shoring None Weather 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 IP4141 Sheet 1 of 1			



Trial Pit Log



Logged JH Checked AP		Start 18/03/2015 End 18/03/2015	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 4.4m Terminated on bedrock.	Dimensions and Orientation Width 1.60 m Length 3.50 m A B C D B → 065 (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 grey brown with black staining slightly sandy gravelly CLAY with medium cobble content. Gravel is subangular to subrounded, fine to coarse of sandstone. Sand is fine to coarse. Cobble are subrounded to well rounded of sandstone. Strong oil staining. (VO = 4,4)			(1.20)		
1.50	ES 2		2 Firm grey brown 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 = 0,0)			1.20		
2.50	ES 3							
3.50	ES 4					(3.20)		
			EXPLORATORY HOLE ENDS AT 4.40 m 4.40 m bedrock.			4.40		
Depth	Type & No.	Records Date						
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)			Stability Stable Shoring None Weather Sunny		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. (c) ESG www.esg.co.uk 426.4817/04/2015 13:39:46 AGS			Project Coed Darcy Site-wide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited			Trial Pit IP4143 Sheet 1 of 1		

Trial Pit Log



Logged JH Checked AP		Start 18/03/2015 End 18/03/2015	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 1.60 m Length 3.50 m A B C D 044 (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 brownish grey slightly sandy gravelly SILT with low cobble content. Gravel is subangular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded of sandstone. (VO = 0,0)			(1.20)		
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 = 0,0)			1.20		
2.50	ES 3							
3.50	ES 4					(4.00)		
4.50	ES 5							
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 426.4817/04/2015 13:39:50			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited			Trial Pit IP4144 Sheet 1 of 2		

Trial Pit Log



Logged JH Checked AP		Start 18/03/2015 End 18/03/2015	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 1.60 m Length 3.50 m A B C D → 044 (Deg)		Ground Level Coordinates National Grid Chainage		- - -
Samples and Tests			Strata						
Depth	Type & No.	Date Records	Description			Depth, Level/ (Thickness)	Legend	Backfill/ Instruments	
			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 = 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 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 IP4144 Sheet 2 of 2			



Logged JH Checked AP	Start 18/03/2015 End 18/03/2015	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 2.4m Terminated due to pipe preventing further excavation.	Dimensions and Orientation Width 1.60 m Length 3.50 m A B C D ➔ 042 (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) Greyish brown slightly sandy gravelly SILT 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. Black oil staining and odour. (VO = 3,2) 1.30 m Metal pipe.	(2.40)		
1.50	ES 2					
			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 Fine	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 ESG www.esg.co.uk 426.4817/04/2015 13:39:55			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited		Trial Pit IP4145 Sheet 1 of 1	

Trial Pit Log



Logged JH Checked AP		Start 18/03/2015 End 18/03/2015		Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 3.2m Terminated on concrete.		Dimensions and Orientation Width 1.60 m Length 3.50 m A B C D 042 (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) Greyish black slightly sandy silty subangular to subrounded, fine to coarse GRAVEL of sandstone, brick and concrete with medium cobble content. Cobbles are subangular to subrounded of sandstone and brick. (VO = 2,2)				(1.50)			
1.50	ES 2		2 (MADE GROUND) Firm grey slightly sandy gravelly SILT with low cobble content. Gravel is subangular to subrounded, fine to coarse of sandstone. Cobbles are subrounded to well rounded of sandstone. (VO = 1,1)				1.50			
2.50	ES 3						(1.70)			
			EXPLORATORY HOLE ENDS AT 3.20 m				3.20			
			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 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 IP4146 Sheet 1 of 1			



Trial Pit Log



Logged JH Checked AP		Start 18/03/2015 End 18/03/2015		Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 4.4m Terminated on bedrock.		Dimensions and Orientation Width 1.60 m Length 3.50 m A B C D 294 (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) Soft brown slightly sandy gravelly SILT with low cobble content. Gravel is subangular to subrounded, fine to coarse of sandstone rare brick. Cobbles are subrounded to well rounded of sandstone and rare angular brick. (VO = 0,0)			(2.10)			
1.50	ES 2								
2.50	ES 3		2 Firm grey with orange staining 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 = 0,0)			2.10			
3.50	ES 4					(2.30)			
			EXPLORATORY HOLE ENDS AT 4.40 m			4.40			
			4.40 m Bedrock						
Depth	Type & No.	Records Date							
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)			Stability Stable Shoring None Weather Sunny			
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4817/04/2015 13:40:03			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited			Trial Pit IP4147 Sheet 1 of 1			

Trial Pit Log



Logged JH Checked AP		Start 18/03/2015 End 18/03/2015	Equipment, Methods and Remarks Komatsu PC210 Machine excavated trial pit from GL to 0.4m Terminated on concrete.	Dimensions and Orientation Width 1.60 m Length 3.50 m A B C D 043 (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) Soft brown slightly sandy slightly gravelly SILT with low cobble content. Gravel is subangular to subrounded, fine to coarse of sandstone. Cobbles are subangular to subrounded of sandstone and brick. (VO = 0,0) EXPLORATORY HOLE ENDS AT 0.40 m 0.40 m Concrete.			(0.40) 0.40		
Depth	Type & No.	Records Date						
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m) 0.00 0.40 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 426.4817/04/2015 13:40:07			Project Coed Darcy Sitewide Trial Pitting Project No. H4039-14 Carried out for St Modwen Developments Limited			Trial Pit IP4148 Sheet 1 of 1		