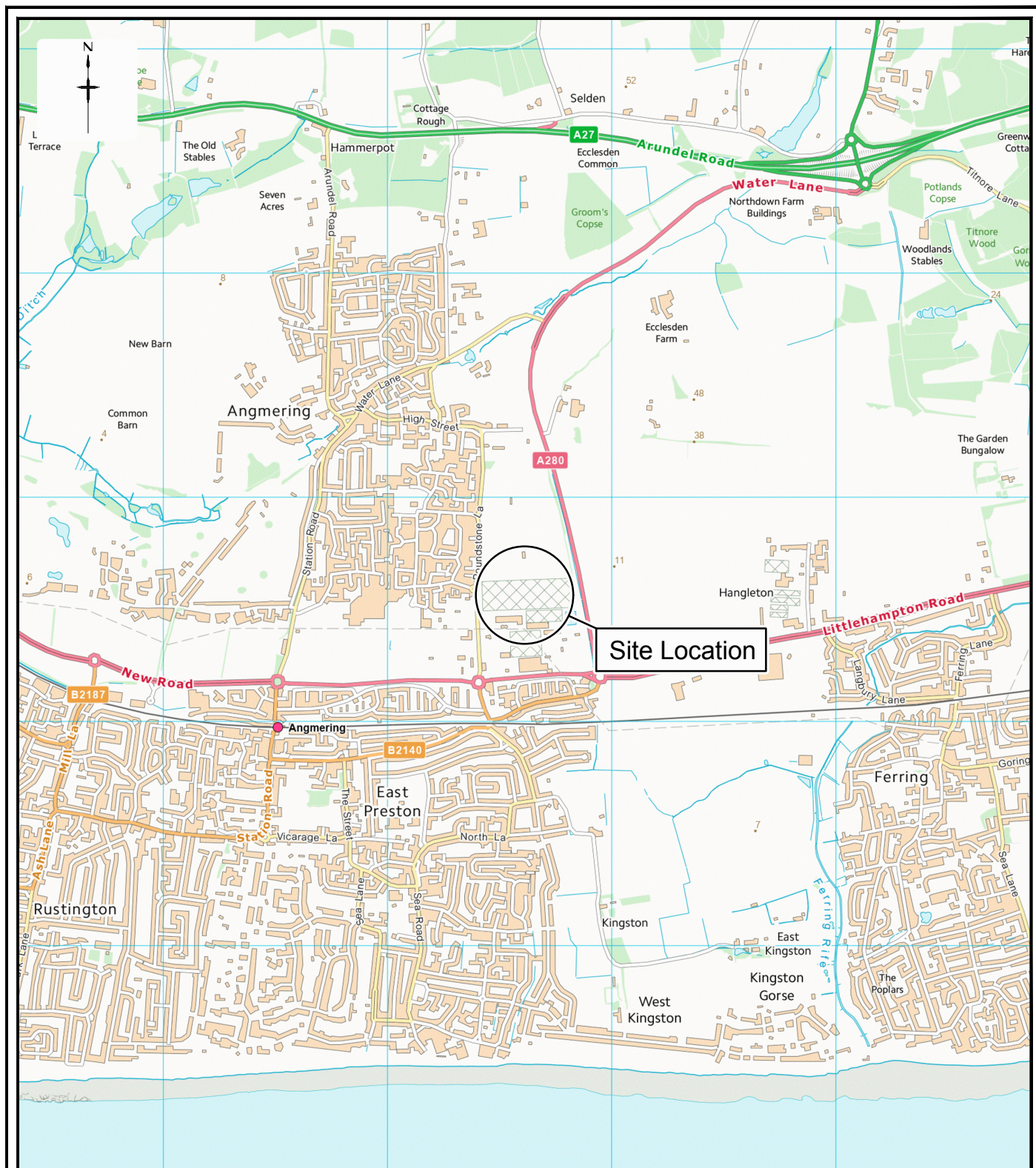




Contains Ordnance Survey data © Crown copyright and database right 2013



18 Frogmore Road
Hemel Hempstead
Hertfordshire
HP3 9RT
United Kingdom

Tel: +44 (0) 1442 437500
Fax: +44 (0) 1442 437550
Email: info@rsk.co.uk
Web: www.rsk.co.uk

Client

CALA HOMES (SOUTH HOME COUNTIES) LTD

Project Title

WEST END NURSERY,
ANGMERING

Drawing Title

SITE LOCATION MAP

Rev	Drawn	Date	Checked	Date	Approved	Date
00	ASC	21.06.16	ARJ	21.06.16	ARJ	21.06.16
Dimensions		Scale		Original Size		
m		1:25,000		A4		

Project Number

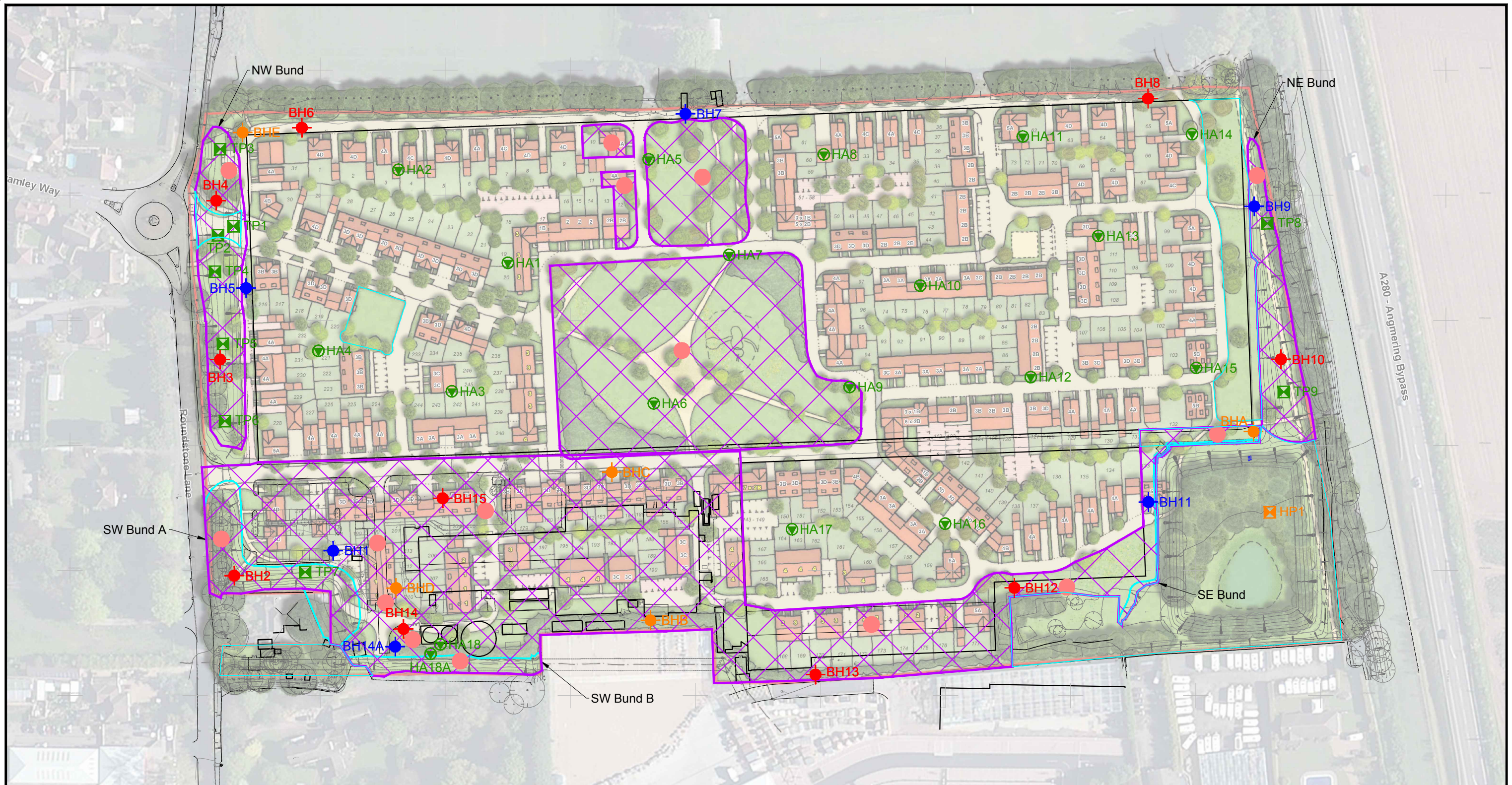
27621 - L02

Drawing File

27621 - SLP.dwg

Drawing Number

FIGURE 1



LEGEND

- Borehole Location - Jan 2015
- Hand Auger Location - Jan 2015
- Borehole Location with installation - Jan 2015
- Trial Pit Location - May 2015
- Borehole Location - Oct 2015
- Hand Pit Location - Oct 2015
- 600mm Cover Layer Required in Soft Landscaped/Private Gardens.



Note: All other soft landscaping/private gardens require 450mm cover layer: Refer to report 27621 R03 (00) for further details.

- 1 Impacted Bund Materials
- 2 Potentially Impacted Bund Materials
- 3 Pesticide Hotspot
- 4 Asbestos Containing Materials (ACM) Detected in Made Ground
- 5 Likely Hydrocarbon Hotspot and Potential for Nitric Acid Impacts
- 6 Re-use of Asbestos Impacted Soils at Depth

Rev.	Date	Amendment	Drawn	Chkd.	Appd.

RSK

18 Frogmore Road
Hemel Hempstead
Hertfordshire
HP3 9RT
United Kingdom

Tel: +44 (0) 1442 437500
Fax: +44 (0) 1442 437550
Email: info@rsk.co.uk
Web: www.rsk.co.uk

Drawn	Date	Checked	Date	Approved	Date
SAY	06.11.15	ARJ	06.11.15	ARJ	06.11.15
Scale	1:1500	Orig Size	A3	Dimensions	m

Client
CALA HOMES (SOUTH HOME COUNTIES) LTD

Project Title
**WEST END NURSERY,
ANGMERING**

Drawing Title
PROPOSED DEVELOPMENT PLAN

Project No.
27621 - L02 (00)

Drawing File
27621 (L02-00).dwg

Drawing No.
FIGURE 2

Rev.
P1



LEGEND

-  Validation Sample Location - Northwest Bund Jun 2016
-  Validation Sample Location - Southwest Bund Jun 2016
-  Validation Sample Location - Public Open Space 1 Jul 2016
-  Validation Sample Location - Northeast Bund Jun 2016
-  Validation Sample Location - Public Open Space 22 Aug 2016
-  Extent of Bund

						 18 Frogmore Road Hemel Hempstead Hertfordshire HP3 9RT United Kingdom Tel: +44 (0) 1442 437500 Fax: +44 (0) 1442 437550 Email: info@rsk.co.uk Web: www.rsk.co.uk						Client CALA HOMES (SOUTH HOME COUNTIES) LTD																	
												Project Title WEST END NURSERY, ANGMERING																	
												Drawing Title VALIDATION LOCATION PLAN																	
Drawn ASC				Date 21.06.16								Checked ARJ		Date 21.06.16		Approved ARJ		Date 21.06.16		Project No. 27621- L02				Drawing File 27621 (L02).dwg					
Rev.		Date		Amendment				Drawn		Chkd.		Appd.		Scale 1:1500				Orig Size A3		Dimensions m		Drawing No. FIGURE 3						Rev. P1	



APPENDIX A

SERVICE CONSTRAINTS

1. This report and the site investigation carried out in connection with the report (together the "Services") were compiled and carried out by RSK Environment Limited (RSK) for CALA Homes (South Home Counties) (the "client") in accordance with the terms of a contract between RSK and the "client", dated 09/09/16. The Services were performed by RSK with the skill and care ordinarily exercised by a reasonable environmental consultant at the time the Services were performed. Further, and in particular, the Services were performed by RSK taking into account the limits of the scope of works required by the client, the time scale involved and the resources, including financial and manpower resources, agreed between RSK and the client.
2. Other than that expressly contained in paragraph 1 above, RSK provides no other representation or warranty whether express or implied, in relation to the Services.
3. Unless otherwise agreed in writing the Services were performed by RSK exclusively for the purposes of the client. RSK is not aware of any interest of or reliance by any party other than the client in or on the Services. Unless expressly provided in writing, RSK does not authorise, consent or condone any party other than the client relying upon the Services. Should this report or any part of this report, or otherwise details of the Services or any part of the Services be made known to any such party, and such party relies thereon that party does so wholly at its own and sole risk and RSK disclaims any liability to such parties. **Any such party would be well advised to seek independent advice from a competent environmental consultant and/or lawyer.**
4. It is RSK's understanding that this report is to be used for the purpose described in the introduction to the report. That purpose was a significant factor in determining the scope and level of the Services. Should the purpose for which the report is used, or the proposed use of the site change, this report may no longer be valid and any further use of or reliance upon the report in those circumstances by the client without RSK's review and advice shall be at the client's sole and own risk. Should RSK be requested to review the report after the date of this report, RSK shall be entitled to additional payment at the then existing rates or such other terms as agreed between RSK and the client.
5. The passage of time may result in changes in site conditions, regulatory or other legal provisions, technology or economic conditions which could render the report inaccurate or unreliable. The information and conclusions contained in this report should not be relied upon in the future without the written advice of RSK. In the absence of such written advice of RSK, reliance on the report in the future shall be at the client's own and sole risk. Should RSK be requested to review the report in the future, RSK shall be entitled to additional payment at the then existing rate or such other terms as may be agreed between RSK and the client.
6. The observations and conclusions described in this report are based solely upon the Services which were provided pursuant to the agreement between the client and RSK. RSK has not performed any observations, investigations, studies or testing not specifically set out or required by the contract between the client and RSK. RSK is not liable for the existence of any condition, the discovery of which would require performance of services not otherwise contained in the Services. For the avoidance of doubt, unless otherwise expressly referred to in the introduction to this report, RSK did not seek to evaluate the presence on or off the site of asbestos, electromagnetic fields, lead paint, heavy metals, radon gas or other radioactive or hazardous materials.
7. The Services are based upon RSK's observations of existing physical conditions at the Site gained from a walk-over survey of the site together with RSK's interpretation of information including documentation, obtained from third parties and from the client on the history and usage of the site. The Services are also based on information and/or analysis provided by independent testing and information services or laboratories upon which RSK was reasonably entitled to rely. The Services clearly are limited by the accuracy of the information, including documentation, reviewed by RSK and the observations possible at the time of the walk-over survey. Further RSK was not authorised and did not attempt to independently verify the accuracy or completeness of information, documentation or materials received from the client or third parties, including laboratories and information services, during the performance of the Services. RSK is not liable for any inaccurate information or conclusions, the discovery of which inaccuracies required the doing of any act including the gathering of any information which was not reasonably available to RSK and including the doing of any independent investigation of the information provided to RSK save as otherwise provided in the terms of the contract between the client and RSK.
8. The intrusive environmental site investigation aspects of the Services is a limited sampling of the site at pre-determined borehole and soil vapour locations based on the operational configuration of the site. The conclusions given in this report are based on information gathered at the specific test locations and can only be extrapolated to an undefined limited area around those locations. The extent of the limited area depends on the soil and groundwater conditions, together with the position of any current structures and underground facilities and natural and other activities on site. In addition chemical analysis was carried out for a limited number of parameters [as stipulated in the contract between the client and RSK] [based on an understanding of the available operational and historical information], and it should not be inferred that other chemical species are not present.
9. Any site drawing(s) provided in this report is (are) not meant to be an accurate base plan, but is (are) used to present the general relative locations of features on, and surrounding, the site. Features (boreholes, trial pits etc) annotated on site plans are not drawn to scale but are centred over the approximate location. Such features should not be used for setting out and should be considered indicative only.



APPENDIX B PHOTOGRAPHIC LOG

PHOTOGRAPHIC LOG

Site Location: West End Nursery

Photo No.
1

Date:
27/04/2016

TP POS1



Photo No.
2

Date:
27/04/2016

TP POS2



PHOTOGRAPHIC LOG

Site Location: West End Nursery

Photo No.
3

Date:
27/04/2016

TP POS3



Photo No.
4

Date:
27/04/2016

Soils
recovered
from TP
POS4



PHOTOGRAPHIC LOG

Site Location: West End Nursery

Photo No.
5

Date:
27/04/2016

TP POS5



Photo No.
6

Date:
27/04/2016

View
looking
south
west
towards
north west
bund
(NWB).



PHOTOGRAPHIC LOG

Site Location: West End Nursery

Photo No.
7

Date:
09/06/2016

View looking north west showing the north west bund.



Photo No.
8

Date:
09/06/2016

NWB V1 dug to a depth of 0.50m.



PHOTOGRAPHIC LOG

Site Location: West End Nursery, Angmering

Photo No.
9

Date:
09/06/2016

NWB V2
dug to a
depth of
0.70m.



Photo No.
10

Date:
09/06/2016

NWB V3
dug to a
depth of
0.30m.



PHOTOGRAPHIC LOG

Site Location: West End Nursery, Angmering

Photo No.
11

Date:
09/06/2016

NWB V4
dug to a
depth of
0.40m.



Photo No.
12

Date:
09/06/2016

NWB V5
dug to a
depth of
0.75m.



PHOTOGRAPHIC LOG

Site Location: West End Nursery, Angmering

Photo No.
13

Date:
09/06/2016

NWB V6
dug to a
depth of
0.55m.



Photo No.
14

Date:
09/06/2016

NWB V7
dug to a
depth of
0.55m.



PHOTOGRAPHIC LOG

Site Location: West End Nursery, Angmering

Photo No.
15

Date:
09/06/2016

NWB V8
dug to a
depth of
0.38m.



Photo No.
16

Date:
24/05/2016

Construction
of south
west bund
(SWB).



PHOTOGRAPHIC LOG

Site Location: West End Nursery, Angmering

Photo No.
17

Date:
23/06/2016

Overview photograph of SWB V1 dug to a depth of 0.75m.



Photo No.
18

Date:
23/06/2016

A closer image of SWB V1.



PHOTOGRAPHIC LOG

Site Location: West End Nursery, Angmering

Photo No.
19

Date:
23/06/2016

Possible ACM found to the west of the car park in between SWB C1 and SWB V2.



Photo No.
20

Date:
23/06/2016

SWB V2 dug to a depth of 0.80m.



PHOTOGRAPHIC LOG

Site Location: West End Nursery, Angmering

Photo No.
21

Date:
23/06/2016

Image showing the orange marker layer at the base of SWB V3.



Photo No.
22

Date:
23/06/2016

SWB V3 dug to a depth of 0.55m.



PHOTOGRAPHIC LOG

Site Location: West End Nursery, Angmering

Photo No.
23

Date:
23/06/2016

Image showing the orange marker layer encountered at the base of SWB V4.



Photo No.
24

Date:
23/06/2016

SWB V4 dug to a depth of 0.45m.



PHOTOGRAPHIC LOG

Site Location: West End Nursery, Angmering

Photo No.
25

Date:
07/07/2016

Image looking west across the POS, towards the site entrance and the south western bund.



Photo No.
26

Date:
07/07/2016

Image looking north across the POS, towards the small buildings on the boundary of the site.



PHOTOGRAPHIC LOG

Site Location: West End Nursery, Angmering

Photo No.
27

Date:
07/07/2016

Image looking east across the POS, towards the north eastern bund.



Photo No.
28

Date:
07/07/2016

POS V1 to a depth of 0.60m depth with the marker layer found at base.



PHOTOGRAPHIC LOG

Site Location: West End Nursery, Angmering

Photo No.
29

Date:
07/07/2016

Cement
bound
asbestos
found at a
depth of
0.40m in
POS V2.



Photo No.
30

Date:
07/07/2016

POS V2
dug to a
depth of
0.40m
depth.



PHOTOGRAPHIC LOG

Site Location: West End Nursery, Angmering

Photo No.
31

Date:
07/07/2016

POS V3
dug to a
depth of
0.60m.



Photo No.
32

Date:
07/07/2016

POS V4
dug to a
depth of
0.65m.



PHOTOGRAPHIC LOG

Site Location: West End Nursery, Angmering

Photo No.
33

Date:
07/07/2016

POS V5
dug to a
depth of
0.65m.



Photo No.
34

Date:
07/07/2016

POS V6
dug to a
depth of
0.60m.



PHOTOGRAPHIC LOG

Site Location: West End Nursery, Angmering

Photo No.
35

Date:
07/07/2016

POS V7
dug to a
depth of
0.65m.



Photo No.
36

Date:
07/07/2016

POS V8
dug to a
depth of
0.65m.



PHOTOGRAPHIC LOG

Site Location: West End Nursery, Angmering

Photo No.
37

Date:
07/07/2016

POS V9
dug to a
depth of
0.45m



Photo No.
38

Date:
07/07/2016

POS V11
dug to a
depth of
0.63m.



PHOTOGRAPHIC LOG

Site Location: West End Nursery, Angmering

Photo No.
39

Date:
07/07/2016

POS V12
dug to a
depth of
0.65m.



Photo No.
40

Date:
07/07/2016

POS V12
dug to a
depth of
0.65m.



PHOTOGRAPHIC LOG

Site Location: West End Nursery, Angmering

Photo No.
41

Date:
25/07/2016

Image looking north east showing the north east bund.



Photo No.
42

Date:
25/07/2016

NEB V1 to a depth of 0.65m depth.



PHOTOGRAPHIC LOG

Site Location: West End Nursery, Angmering

Photo No.
43

Date:
25/07/2016

NEB V2
dug to a
depth of
0.70m.



Photo No.
44

Date:
25/07/2016

NEB V3
dug to a
depth of
0.75m.



PHOTOGRAPHIC LOG

Site Location: West End Nursery, Angmering

Photo No.
45

Date:
25/07/2016

NEB V4
dug to a
depth of
0.80m.



Photo No.
46

Date:
22/08/2016

View
looking
east
across
POS area



PHOTOGRAPHIC LOG

Site Location: West End Nursery, Angmering

Photo No.
47

Date:
22/08/2016

POS V13
(capping
layer
0.65m)



Photo No.
48

Date:
22/08/2016

POS V14
(capping
layer
0.75m)



PHOTOGRAPHIC LOG

Site Location: West End Nursery, Angmering

Photo No.
49

Date:
22/08/2016

POS V15
(capping
layer
0.65m)



Photo No.
50

Date:
22/08/2016

POS V16
(capping
layer
0.85m)



APPENDIX C TRIAL PIT LOGS

RECORD OF TRIAL PITS

Date of Investigation: 09 June 2016

NWBV1

Ground level- 0.50m Light brown slightly gravelly, silty CLAY / clayey SILT with rare fragments of fine brick, charcoal, glass, concrete and chalk.

0.50m Orange marker layer

END OF TRIAL PIT

Remarks

Disturbed sample at 0.20-0.40m

NWBV2

Ground level- 0.70m Light brown slightly gravelly, silty CLAY / clayey SILT with rare fragments of charcoal, glass, concrete and chalk.

END OF TRIAL PIT

Remarks

Side of bund

Disturbed sample at 0.20-0.40m

Orange marker layer not seen in trial pit, but was seen placed during construction.

NWBV3

Ground level- 0.30m Light brown slightly gravelly, silty CLAY / clayey SILT with rare fragments of fine brick, charcoal, glass, concrete, chalk, black plastic sacking and a fragment of clay pipe.

0.30m Orange marker layer

END OF TRIAL PIT

Remarks

Disturbed sample at 0.10-0.30m

NWBV4

Ground level- 0.4m	Light brown slightly gravelly, silty CLAY / clayey SILT with rare fragments of fine brick, charcoal, glass, concrete and chalk.
0.40m	Orange marker layer
	END OF TRIAL PIT

Remarks

Disturbed sample at 0.20-0.4m

NWBV5

Ground level- 0.75m	Light brown slightly gravelly, silty CLAY / clayey SILT with rare fragments of fine brick, charcoal, glass, concrete and chalk.
	END OF TRIAL PIT

Remarks

Disturbed sample at 0.20-0.4m

Orange membrane was not seen but is known to have been placed during construction.

NWBV6

Ground level- 0.55m	Light brown slightly gravelly, silty CLAY / clayey SILT with rare fragments of fine brick, charcoal, glass, concrete and chalk.
0.55m	Orange marker layer
	END OF TRIAL PIT

Remarks

Disturbed sample at 0.20-0.4m

NWBV7

Ground level- 0.55m Light brown slightly gravelly, silty CLAY / clayey SILT with occasional fragments of charcoal and rare fragments of fine brick, glass, concrete and chalk.

0.55m Orange marker layer

END OF TRIAL PIT

Remarks

Disturbed sample at 0.30-0.50m

NWBV8

Ground level- 0.38m Light brown slightly gravelly, silty CLAY / clayey SILT with rare fragments of fine brick, charcoal, glass, concrete and chalk.

0.38m Orange marker layer

END OF TRIAL PIT

Remarks

Disturbed sample at 0.30m

General Notes:

- A piece of ACM was visible in the shallow soils at the northern boundary toward the top/end of the bund. Recommendation is to thoroughly hand pick the exposed faces around the boundary.
- Possible fragment of ACM (approx. 5cm length) seen at the surface half way between NWBV7 and NWBV8. Bulk sample NWBB1 obtained.

Contract: Land at West End Nursery, Angmering		Client: Cala Homes (South Home Counties) Ltd		Trial Pit: TPPoS1
Contract Ref: 27621	Start: 27.04.16 End: 27.04.16	Ground Level: ---	Co-ordinates: ---	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thick ness)	Material Graphic Legend
Depth	No	Type	Results					
0.00-0.50	1	ES	T+J+V			MADE GROUND: Very stiff reddish brown to greyish brown sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is subangular to rounded fine to medium flint. Occasional asphalt fragments. Rare brick fragments.	(0.75)	
						MADE GROUND: Black asphalt.	0.75	
						Stiff brown slightly sandy CLAY. Sand is fine to coarse.	1.00	
1.50-1.80	2	ES	T+J+V				(1.00)	
2.00-2.20	3	ES	T+J+V			Stiff orangish brown slightly sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is subangular to rounded fine flint.	2.00	
						Stiff orangish brown slightly sandy very gravelly CLAY with a low cobble content. Sand is fine to coarse. Gravel is angular to rounded fine to coarse flint. Cobble is subangular to subrounded flint up to 70mm in size.	2.20	
2.50-3.00	3	ES	T+J+V				(0.90)	
							3.10	

Plan (Not to Scale)		General Remarks		
		3 fragments of suspected asbestos cement found at surface level within a 5.00m radius - maximum size 100 x 40 x 5mm, average 40 x 40 x 5mm. - Trial pit terminated at 3.10m depth. - Trial pit remained dry and stable during excavation. - Backfilled with arisings.		
		All dimensions in metres	Scale:	1:25
Method Used:	Plant Used:	Logged By:	Checked By:	
Machine dug	Tracked excavator	EHughes		

Contract: Land at West End Nursery, Angmering		Client: Cala Homes (South Home Counties) Ltd		Trial Pit: TPPoS2
Contract Ref: 27621	Start: 27.04.16 End: 27.04.16	Ground Level: ---	Co-ordinates: ---	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.00-0.20	1	D				MADE GROUND: Very stiff dark brown slightly sandy gravelly CLAY. Sand is fine to coarse. Gravel is angular to rounded fine to coarse flint. Occasional asphalt fragments and organic remains. Rare brick fragments.	(0.45)	
						Stiff dark orangish brown sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is subangular to rounded fine to coarse flint.	0.45 (0.85)	
						Firm orangish brown occasionally mottled dark grey sandy gravelly CLAY with a low cobble content. Sand is fine to coarse. Gravel is angular to rounded fine to coarse flint. Cobble is subrounded flint up to 110mm diameter. Occasional organic remains.	1.30 (0.40)	
2.00-3.00	2	ES	T+J+V			Orangish brown sandy very gravelly CLAY with a medium cobble content. Sand is fine to coarse. Gravel is angular to rounded fine to coarse flint. Cobble is subrounded flint up to 80mm diameter.	1.70 (1.50)	
							3.20	

Plan (Not to Scale)		General Remarks		
		3 fragments of suspected asbestos cement found at surface level within a 5.00m radius - maximum size 70 x 40 x 5mm, average 30 x 30 x 5mm. - Trial pit terminated at 3.20m depth. - Trial pit remained dry and stable during excavation. - Backfilled with arisings.		
All dimensions in metres		Scale: 1:25		
Method Used: Machine dug	Plant Used: Tracked excavator	Logged By: EHughes	Checked By:	

Contract: Land at West End Nursery, Angmering		Client: Cala Homes (South Home Counties) Ltd		Trial Pit: TPPoS3
Contract Ref: 27621	Start: 27.04.16 End: 27.04.16	Ground Level: ---	Co-ordinates: ---	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
1.80-2.20	1	ES	T+J+V			MADE GROUND: Stiff brown slightly sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is angular to subrounded fine to medium flint. Rare brick and glass fragments.	(0.40)	
						MADE GROUND: Light grey and brownish yellow CONCRETE.	0.40	
						MADE GROUND: Stiff brown slightly sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is angular to subrounded fine to medium flint. Rare brick and glass fragments.	0.50	
						MADE GROUND: Stiff brown slightly sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is angular to subrounded fine to medium flint. Rare brick and glass fragments.	0.60	
2.20-2.90						Stiff orangish brown slightly sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is subangular to rounded fine flint.	(2.40)	
						2.90-3.00m : becoming very gravelly with a low cobble content (10%); gravel is subangular to rounded fine to coarse flint, cobble is subangular to subrounded flint upto 150mm in size	3.00	

Plan (Not to Scale)		General Remarks		
		16 fragments of suspected asbestos cement found at surface level within a 5.00m radius - maximum size 40 x 80 x 5mm, average 40 x 40 x 5mm. - Trial pit terminated at 3.00m depth. - Trial pit remained dry and stable during excavation. - Backfilled with arisings.		
All dimensions in metres		Scale: 1:25		
Method Used: Machine dug	Plant Used: Tracked excavator	Logged By: EHughes	Checked By:	