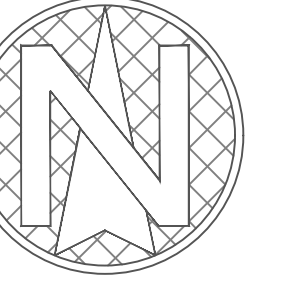


Appendix B

Topographical Survey and Ground Investigation Information

Barns Green Village Hall

Drawing Number Geo25-052



LEGEND

AV	Air Valve	ME	Manhole Electricity
BV	Belisha Beacon	MF	Manhole Foul
BL	Illus. Bolard	ML	Manhole Gully
BM	Bench	MK	Marker Post
BP	Bench Mark	MRF	Manhole Railing Fence
BS	Black Bitum	MS	Manhole Supply Master
BPS	Black Paving Slabs	MS	Manhole Supply Master
BRK	Brick	NT	Notice Board
BS	Bus Stop/Shelter	PH	Over Head Cable
BRW	Brick Wall	PC	Post
BRW	Brick Retaining Wall	PB	Post Box
CB	Telephone Box	PI	Pipe
CC	Close Boarded Fence	PL	Painting Line
CC	CC Camera	RG	Road Gully Edge
CE	Ce Chain Eye	RR	Road Name Plate
CL	Clear Level	RS	Road Stop/Post
CLF	Chain Link Fence	RF	Road & Rail Fence
CNC	Concrete	RS	Road Sign
CNC	Concrete Paving Slabs	RSP	Road & Vire Fence
CCW	Concrete Wall	SAP	Sap
CRW	Concrete Ret. Wall	SMP	Sheet Metal Piling
CK	Drop Kerb	SL	Soft Level
ED	Electricity Box	SP	Sign
EP	Electricity Pole	SP	Sign Post
FB	Flow Bend	SV	Stop Valve
FD	Fire Hydrant	SW	Street Wall
FS	Flag Light	SRW	Stone Retaining Wall
FS	Flag	TH	Threshold Level
FG	Footpath	TL	Traffic Light
G	Gully	TP	Telegraph Pole
HW	Headway	TPS	Traffic Paving
I	Inspection Cover	TV	Tube Street Railings
IL	Invert Level	TV	Cable TV Point
IRF	Iron Railing Fence	TC	Traffic Camera
IRF	Iron Wire Inlet	TW	Top of wall
LB	Lamp	UP	Up
LP	Liter Post	W	Water level
MT	Manhole Telecom	WM	Wire Mesh Fence
MC	Multi-Use	W	Wood
MC	Manhole Cable	WPR	Wooden Post & Rail

OTES

- The Grid is OSGB 36 using OSTN15 & OSGB15 on the OS Active Network
- All levels are related to OS Datum (Newlyn)
- Contours are shown at 0.25m intervals

A	26/02/26	Road detail added	AS
Rev	Date	Description	Checked

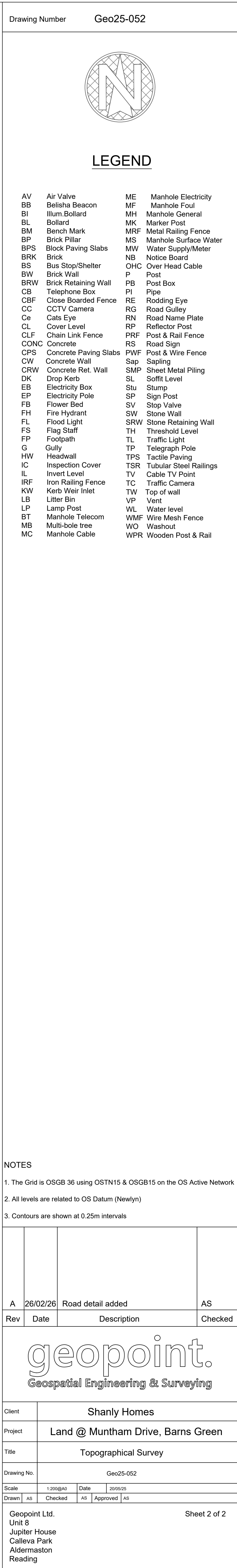
geopoint.
Geospatial Engineering & Surveying

Client	Shanly Homes			
Project	Land @ Muntham Drive, Barns Green			
Site	Topographical Survey			
Drawing No.	Geo25-052			
Scale	1:2000@A0	Date	20/05/20	
Drawn AS	Checked	AS	Approved	AS

Geopoint Ltd.
 Unit 9
 Jupiter House
 Calleva Park
 Aldermaston
 Reading

Sheet 1 of 2

Sheet 1 of 2



Appendices

- I Exploratory Hole Logs and Photographs
- II Field Monitoring Results
- III Soil Contamination Results and Assessment Criteria
- IV Soil Geotechnical Results

Appendix

I Exploratory Hole Logs and Photographs



WINDOW SAMPLE LOG

Site: Land adj. to 5 Muntham Drive, Barns Green, Horsham, RH13 0PT				Project No. 25-129.02		Borehole: WS1			
Client: Shanly Homes				Start: 05/06/2025		End: 05/06/2025		Sheet: 1 of 1	
Method/Plant Used: Premier Rig (3D)			Co-ordinates: NT			Ground Level: NT			

Description of Strata	Legend	Depth (m bgl) (thickness)	Well Constr.	Samples/Tests			SPT Results						Notes
				Depth	No	Type	75mm	75mm	75mm	75mm	75mm	N' Value	
Light brown slightly clayey very sandy slightly gravelly SILT. Gravel is fine to coarse sub-rounded to rounded of flint. Rootlets. (TOPSOIL)		(0.5)		0.1 - 0.3	1	WAC							
Firm light brown orange frequently mottled light grey silty slightly sandy CLAY. Rootlets to 1.3m. (WEALD CLAY FORMATION)		0.5 (1.1)		0.7	2	ES							
				1.0		SPT	1	1	2	2	2	8	HP
				1.25									HP 9.6
				1.5									HP 10.8
Firm poorly laminated light brown mottled light grey silty slightly sandy CLAY. (WEALD CLAY FORMATION)		1.6 (0.6)		1.75									HP 6.8
				2.0		SPT	1	1	1	3	3	8	HP 10.2
				2.25									HP 8.9
Firm to stiff laminated brown occasionally black slightly clayey slightly sandy SILT. (WEALD CLAY FORMATION)		2.2 (0.3)		2.5									HP 8.3
Stiff poorly laminated light brown mottled light grey silty slightly sandy CLAY. (WEALD CLAY FORMATION)		2.5 (0.4)		2.75									HP 6.6
Stiff becoming very stiff laminated light grey with occasional light brown partings slightly silty gravelly CLAY. Gravel is fine to medium sub-angular of mudstone. Occasional fine shell fragments. Occasional fine partings of selenite. (WEALD CLAY FORMATION)		2.9 (1.5)		3.0		SPT	3	3	3	5	5	18	HP 6.4
				3.25									HP 11+
				3.5									HP 11+
				3.75									HP 11+
				4.0		SPT	3	4	4	7	9	13	HP 11+
				4.25									HP 11+
		4.4		4.4		SPT	16	9	24	20	6	50	For 170mm

Casing record			Chiselling records			Water level observations (depths in metres below gl)					
Date	Diameter (mm)	Depth (m)	Time	From (m)	To (m)	Date	Water strike	Water level (after 20mins)	Flow	Standing level	Remarks
05/06/2025	101	1.00				05/06/2025	-	-	-	Dry	
Remarks									By		
No groundwater encountered. No visual or olfactory evidence of contamination. Rootlets noted to 1.3m bgl. Gas and groundwater monitoring well installed to 4.4m bgl.							Logged	AC			
SPT: Standard Penetration Test, HP: Hand Penetrometer, B: Bulk Sample, D: Disturbed Sample							Checked	OB			Scale 01:25



WINDOW SAMPLE LOG

Site: Land adj. to 5 Muntham Drive, Barns Green, Horsham, RH13 0PT				Project No. 25-129.02	Borehole: WS2
Client: Shanly Homes			Start: 05/06/2025	End: 05/06/2025	Sheet: 1 of 1
Method/Plant Used: Premier Rig (3D)		Co-ordinates: NT		Ground Level: NT	

Description of Strata	Legend	Depth (m bgl) (thickness)	Well Constr.	Samples/Tests			SPT Results						Notes
				Depth	No	Type	75mm	75mm	75mm	75mm	75mm	N' Value	
Light brown slightly clayey very sandy slightly gravelly SILT. Gravel is fine to coarse sub-rounded to rounded of flint. Rare sub-angular fine to coarse gravel size fragments of brick. Rootlets. (Reworked TOPSOIL)		(0.4) 0.4		0.3	1	ES							
Firm light brown orange frequently mottled light grey silty slightly sandy CLAY. Rootlets to 1.1m. (WEALD CLAY FORMATION)		(0.8) 1.2		1.0	2	LC/SPT	1	2	2	2	3	4	11
Firm laminated brown occasionally black slightly clayey slightly sandy SILT. (WEALD CLAY FORMATION)		(0.4) 1.6											
Stiff becoming very stiff light grey pale orange occasionally mottled pale grey silty slightly sandy slightly gravelly CLAY. Gravel is fine to coarse angular to sub-angular of mudstone. (WEALD CLAY FORMATION)		(1.1) 2.7		2.0		SPT	5	4	4	4	4	5	17
				2.7		SPT	18	7	32	15			47 For 95mm

Casing record			Chiselling records			Water level observations (depths in metres below gl)					
Date	Diameter (mm)	Depth (m)	Time	From (m)	To (m)	Date	Water strike	Water level (after 20mins)	Flow	Standing level	Remarks
05/06/2025	101	1.00				05/06/2025	2.50	2.40	Very slow	2.40	
Remarks									By		
Groundwater encountered from 2.4m bgl. No visual or olfactory evidence of contamination. Rootlets noted to 1.1m bgl. Gas and groundwater monitoring well installed to 2.7m bgl.							Logged	AC			
SPT: Standard Penetration Test, HP: Hand Penetrometer, B: Bulk Sample, D: Disturbed Sample							Checked	OB			Scale 01:25



WINDOW SAMPLE LOG

Site: Land adj. to 5 Muntham Drive, Barns Green, Horsham, RH13 0PT					Project No. 25-129.02	Borehole: WS3
Client: Shanly Homes			Start: 05/06/2025	End: 05/06/2025	Sheet: 1 of 1	
Method/Plant Used: Premier Rig (3D)		Co-ordinates: NT			Ground Level: NT	

Description of Strata	Legend	Depth (m bgl) (thickness)	Well Constr.	Samples/Tests			SPT Results						Notes
				Depth	No	Type	75mm	75mm	75mm	75mm	75mm	N' Value	
Light brown slightly clayey very sandy rarely gravelly SILT. Gravel is fine to coarse sub-rounded to rounded of flint. (TOPSOIL)		(0.6)		0.1	1	ES							
Soft becoming firm light brown orange frequently mottled light grey silty slightly sandy CLAY. (WEALD CLAY FORMATION)		0.6 (1.7)		1.0		SPT	1	1	1	1	1	2	5
				1.25									HP 7.8
				1.5									HP 6.6
				1.75									HP 11+
				2.0	2	LC/SPT	1	1	2	4	5	7	18
Stiff poorly laminated light brown rarely mottled light grey slightly silty slightly sandy occasionally gravelly CLAY. Gravel is medium angular to sub-angular of mudstone. (WEALD CLAY FORMATION)		(0.6)											
		2.3											
		2.9											
Very stiff poorly laminated dark brown dark grey slightly very silty occasionally gravelly CLAY. Gravel is medium to coarse angular to sub-angular of mudstone. (WEALD CLAY FORMATION)		(0.5)		3.0		SPT	3	3	4	7	9	15	35
		3.4											
Very weak, poorly laminated light brown mottled orange MUDSTONE. (WEALD CLAY FORMATION)		(0.2)		3.5		SPT	21	4	50			50	For 75mm
		3.6											

Casing record			Chiselling records			Water level observations (depths in metres below gl)						
Date	Diameter (mm)	Depth (m)	Time	From (m)	To (m)	Date	Water strike	Water level (after 20mins)	Flow	Standing level	Remarks	
05/06/2025	101	1.00				05/06/2025	-	-	-	Dry		
Remarks									By			
No groundwater encountered. No visual or olfactory evidence of contamination. No roots present in borehole. Borehole backfilled with arisings.								Logged	AC			
								Checked	OB			Scale 01:25
								SPT: Standard Penetration Test, HP: Hand Penetrometer, B: Bulk Sample, D: Disturbed Sample				



WINDOW SAMPLE LOG

Site: Land adj. to 5 Muntham Drive, Barns Green, Horsham, RH13 0PT				Project No. 25-129.02	Borehole: WS4
Client: Shanly Homes			Start: 05/06/2025	End: 05/06/2025	Sheet: 1 of 1
Method/Plant Used: Premier Rig (3D)	Co-ordinates: NT			Ground Level: NT	

Description of Strata	Legend	Depth (m bgl) (thickness)	Well Constr.	Samples/Tests			SPT Results						Notes
				Depth	No	Type	75mm	75mm	75mm	75mm	75mm	N' Value	
Light brown slightly clayey very sandy rarely gravelly SILT. Gravel is fine to coarse sub-rounded to rounded of flint. Rootlets. (TOPSOIL)		(0.4)		0.1	1	ES							
Soft to firm light brown orange frequently mottled light grey silty slightly sandy CLAY. (WEALD CLAY FORMATION)		0.4		0.6	2	ES							
		(0.9)		1.0		SPT	1	2	1	2	2	2	7
Firm becoming stiff and very stiff poorly laminated brown grey occasionally mottled orange silty occasionally gravelly CLAY. Gravel is medium to coarse angular to sub-angular of mudstone. (WEALD CLAY FORMATION)		1.3											
		(1.7)		2.0	3	LC/SPT	1	2	3	4	5	4	16
		3.0		3.0		SPT	7	10	13	14	14	9	50 For 295mm

Casing record			Chiselling records			Water level observations (depths in metres below gl)					
Date	Diameter (mm)	Depth (m)	Time	From (m)	To (m)	Date	Water strike	Water level (after 20mins)	Flow	Standing level	Remarks
05/06/2025	101	1.00				05/06/2025	-	-	-	Dry	
Remarks									By		
No groundwater encountered. No visual or olfactory evidence of contamination. No roots present in borehole. Borehole backfilled with arisings.							Logged	AC			
SPT: Standard Penetration Test, HP: Hand Penetrometer, B: Bulk Sample, D: Disturbed Sample							Checked	OB			Scale 01:25



WINDOW SAMPLE LOG

Site: Land adj. to 5 Muntham Drive, Barns Green, Horsham, RH13 0PT				Project No. 25-129.02	Borehole: WS5
Client: Shanly Homes			Start: 05/06/2025	End: 05/06/2025	Sheet: 1 of 1
Method/Plant Used: Premier Rig (3D)		Co-ordinates: NT		Ground Level: NT	

Description of Strata	Legend	Depth (m bgl) (thickness)	Well Constr.	Samples/Tests			SPT Results						Notes
				Depth	No	Type	75mm	75mm	75mm	75mm	75mm	N' Value	
Light brown slightly clayey very sandy rarely gravelly SILT. Gravel is fine to coarse sub-rounded to rounded of flint. Rootlets. (TOPSOIL)		(0.4)		0.1 - 0.3	1	WAC							
Firm light brown orange frequently mottled light grey silty slightly sandy CLAY. Rootlets to 1.1m. (WEALD CLAY FORMATION)		0.4 (1.1)		1.0		SPT	1	1	2	3	4	4	13
		1.5		1.25									HP 11+
		1.5		1.5									HP 11+
Firm to stiff poorly laminated light brown mottled light grey silty slightly sandy CLAY. (WEALD CLAY FORMATION)		(1.1)		1.75									HP 11+
		2.0		2.0		SPT	2	3	3	4	4	5	16
		2.6											
Stiff becoming very stiff laminated brown grey occasionally mottled orange silty gravelly CLAY. Gravel is fine to coarse angular to sub-angular of mudstone. (WEALD CLAY FORMATION)		(1.6)		3.0		SPT	3	3	4	6	8	8	26
		4.0		4.0		SPT	5	5	8	8	9	10	35
		4.2											
Very weak, poorly laminated brown grey frequently mottled bright orange red MUDSTONE. (WEALD CLAY FORMATION)		(0.3)		4.5		SPT	13	12	24	24	2	50	For 150mm
		4.5											

Casing record			Chiselling records			Water level observations (depths in metres below gl)					
Date	Diameter (mm)	Depth (m)	Time	From (m)	To (m)	Date	Water strike	Water level (after 20mins)	Flow	Standing level	Remarks
05/06/2025	101	1.00				05/06/2025	-	-	-	Dry	
Remarks									By		
No groundwater encountered. No visual or olfactory evidence of contamination. Roots noted to 1.1m bgl. Gas and groundwater monitoring well installed to 4.5m bgl.							Logged	AC			
SPT: Standard Penetration Test, HP: Hand Penetrometer, B: Bulk Sample, D: Disturbed Sample							Checked	OB			Scale 01:25



WINDOW SAMPLE LOG

Site: Land adj. to 5 Muntham Drive, Barns Green, Horsham, RH13 0PT					Project No. 25-129.02	Borehole: WS6
Client: Shanly Homes			Start: 05/06/2025	End: 05/06/2025	Sheet: 1 of 1	
Method/Plant Used: Premier Rig (3D)		Co-ordinates: NT			Ground Level: NT	

Description of Strata	Legend	Depth (m bgl) (thickness)	Well Constr.	Samples/Tests			SPT Results						Notes
				Depth	No	Type	75mm	75mm	75mm	75mm	75mm	N' Value	
Light brown slightly clayey very sandy rarely gravelly SILT. Gravel is fine to coarse sub-rounded to rounded of flint. (TOPSOIL)		(0.3)		0.1 - 0.3	1	WAC							
Firm light brown orange frequently mottled light grey silty slightly sandy CLAY. (WEALD CLAY FORMATION)		0.3 (1.4)		1.0		SPT	2	3	3	4	3	3	HP 11+
				1.25									HP 11+
				1.5									HP 11+
Firm to stiff becoming stiff to very stiff poorly laminated brown grey occasionally mottled orange silty occasionally gravelly CLAY. Gravel is medium to coarse angular to sub-angular of mudstone. (WEALD CLAY FORMATION)		1.7 (1.5)		1.75									HP 11+
				2.0		SPT	2	2	3	4	4	4	
				3.0	2	LC/SPT	2	5	6	7	8	8	
		3.2											
Very weak, poorly laminated brown grey frequently mottled bright orange red MUDSTONE. Rare partings of fine shell fragments. (WEALD CLAY FORMATION)		(0.4)		3.6		SPT	10	13	13	16	16	5	For 235mm
		3.6											

Casing record			Chiselling records			Water level observations (depths in metres below gl)						
Date	Diameter (mm)	Depth (m)	Time	From (m)	To (m)	Date	Water strike	Water level (after 20mins)	Flow	Standing level	Remarks	
05/06/2025	101	1.00				05/06/2025	-	-	-	Dry		
Remarks									By			
No groundwater encountered. No visual or olfactory evidence of contamination. No roots present in borehole. Borehole backfilled with arisings.								Logged	AC			
								Checked	OB			Scale 01:25
								SPT: Standard Penetration Test, HP: Hand Penetrometer, B: Bulk Sample, D: Disturbed Sample				



WINDOW SAMPLE LOG

Site: Land adj. to 5 Muntham Drive, Barns Green, Horsham, RH13 0PT				Project No. 25-129.02	Borehole: WS7
Client: Shanly Homes			Start: 05/06/2025	End: 05/06/2025	Sheet: 1 of 1
Method/Plant Used: Premier Rig (3D)		Co-ordinates: NT		Ground Level: NT	

Description of Strata	Legend	Depth (m bgl) (thickness)	Well Constr.	Samples/Tests			SPT Results						Notes
				Depth	No	Type	75mm	75mm	75mm	75mm	75mm	N' Value	
Light brown slightly clayey very sandy rarely gravelly SILT. Gravel is fine to coarse sub-rounded to rounded of flint. (TOPSOIL)		(0.4)											
		0.4											
Firm and stiff light brown orange frequently mottled light grey silty slightly sandy CLAY. (WEALD CLAY FORMATION)		(1.0)		1.0	1	D/SPT	2	2	3	3	4	4	HP 11+
				1.25									HP 11+
		1.4		1.5	2	D							HP 11+
				1.75									HP 11+
Stiff becoming very stiff poorly laminated light brown pale orange occasionally mottled light grey very silty slightly sandy slightly gravelly CLAY. Gravel is fine to coarse angular to sub-angular of mudstone. (WEALD CLAY FORMATION)		(1.8)		2.0	3	D/SPT	1	2	3	4	5	6	HP 11+
				2.25									HP 11+
				2.5	4	D							HP 11+
				2.75									HP 11+
				3.0	5	D/SPT	7	7	7	8	10	11	HP 11+
		3.2		3.25									HP 11+
Very stiff poorly laminated dark grey dark brown frequently mottled dark orange red very silty sandy occasionally gravelly CLAY. Gravel is fine to medium sub-angular of mudstone. (WEALD CLAY FORMATION)		(1.5)		3.5	6	D							HP 11+
				3.75									HP 11+
				4.0	7	D/SPT	5	4	6	7	13	14	HP 11+
				4.25									HP 11+
				4.5									HP 11+
		4.7		4.7	8	D/SPT	11	13	14	14	18	4	50 For 235mm

Casing record			Chiselling records			Water level observations (depths in metres below gl)					
Date	Diameter (mm)	Depth (m)	Time	From (m)	To (m)	Date	Water strike	Water level (after 20mins)	Flow	Standing level	Remarks
05/06/2025	101	1.00				05/06/2025	-	-	-	Dry	
Remarks									By		
No groundwater encountered. No visual or olfactory evidence of contamination. No roots present in borehole. Borehole backfilled with arisings.							Logged	AC			
SPT: Standard Penetration Test, HP: Hand Penetrometer, B: Bulk Sample, D: Disturbed Sample							Checked	OB			Scale 01:25



WINDOW SAMPLE LOG

Site: Land adj. to 5 Muntham Drive, Barns Green, Horsham, RH13 0PT				Project No. 25-129.02	Borehole: WS8
Client: Shanly Homes			Start: 05/06/2025	End: 05/06/2025	Sheet: 1 of 1
Method/Plant Used: Premier Rig (3D)		Co-ordinates: NT		Ground Level: NT	

Description of Strata	Legend	Depth (m bgl) (thickness)	Well Cnstr.	Samples/Tests			SPT Results						Notes
				Depth	No	Type	75mm	75mm	75mm	75mm	75mm	N' Value	
Light brown slightly clayey very sandy rarely gravelly SILT. Gravel is fine to coarse sub-rounded to rounded of flint. (TOPSOIL)		(0.4)											
		0.4											
Soft to firm light brown orange frequently mottled light grey silty slightly sandy CLAY. (WEALD CLAY FORMATION)		(1.0)		1.0	1	D/SPT	1	1	1	2	2	2	7
		1.4		1.25									HP 8.1
		1.4		1.5									HP 8.4
Firm poorly laminated light brown pale orange occasionally mottled light grey very silty slightly sandy slightly gravelly CLAY. Gravel is medium to coarse angular to sub-angular of mudstone. (WEALD CLAY FORMATION)		(1.1)		1.75									HP 9.7
		2.5		2.0	2	D/SPT	1	2	2	2	3	3	10
		2.5		2.25									HP 8.7
		2.5		2.25									HP 8.4
		2.5		2.25									
Very weak, poorly laminated brown grey frequently mottled bright orange red MUDSTONE. Rare partings of fine shell fragments. (WEALD CLAY FORMATION)		(0.5)		3.0	3	D/SPT	10	15	25	25			50 For 150mm
		3.0											

Casing record			Chiselling records			Water level observations (depths in metres below gl)					
Date	Diameter (mm)	Depth (m)	Time	From (m)	To (m)	Date	Water strike	Water level (after 20mins)	Flow	Standing level	Remarks
05/06/2025	101	1.00				05/06/2025	-	-	-	Dry	
Remarks									By		
No groundwater encountered. No visual or olfactory evidence of contamination. No roots present in borehole. Borehole backfilled with arisings.									Logged	AC	
									Checked	OB	
SPT: Standard Penetration Test. HP: Hand Penetrometer. B: Bulk Sample. D: Disturbed Sample											



WINDOW SAMPLE LOG

Site: Land adj. to 5 Muntham Drive, Barns Green, Horsham, RH13 0PT				Project No. 25-129.02	Borehole: WS9
Client: Shanly Homes			Start: 05/06/2025	End: 05/06/2025	Sheet: 1 of 1
Method/Plant Used: Premier Rig (3D)		Co-ordinates: NT		Ground Level: NT	

Description of Strata	Legend	Depth (m bgl) (thickness)	Well Constr.	Samples/Tests			SPT Results						Notes
				Depth	No	Type	75mm	75mm	75mm	75mm	75mm	N' Value	
Light brown slightly clayey very sandy slightly gravelly SILT. Gravel is fine to coarse sub-rounded to rounded of flint. Rootlets. (TOPSOIL)		(0.5)											
		0.5											
Firm light brown orange frequently mottled light grey silty slightly sandy CLAY. (WEALD CLAY FORMATION)		(1.0)		1.0	1	D/SPT	1	1	2	2	3	3	10
		1.5		1.25									HP 11+
		1.5		1.5	2	D							HP 9.6
Firm poorly laminated brown pale orange mottled light grey very silty slightly sandy slightly gravelly CLAY. Gravel is medium to coarse angular to sub-angular of mudstone. (WEALD CLAY FORMATION)		(0.9)		1.75									HP 10.2
		2.0		2.0	3	D/SPT	1	1	1	2	2	3	8
		2.25		2.25									HP 7.3
		2.4		2.5	4	D							HP 7.7
Firm poorly laminated brown occasionally black slightly clayey slightly sandy SILT. (WEALD CLAY FORMATION)		(0.2)		2.75									HP 7.7
Firm to stiff poorly laminated brown pale grey silty slightly sandy slightly gravelly CLAY. Gravel is fine to medium sub-rounded of mudstone. (WEALD CLAY FORMATION)		(0.9)		3.0	5	D/SPT	1	3	6	3	3	3	15
		3.25		3.25									HP 11+
		3.5		3.5	6	D							HP 10.6
Very weak, poorly laminated light grey rarely mottled brown MUDSTONE. (WEALD CLAY FORMATION)		(0.5)		4.0	7	D/SPT	1	5	7	12	20	11	50
		4.0											For 265mm

Casing record			Chiselling records			Water level observations (depths in metres below gl)					
Date	Diameter (mm)	Depth (m)	Time	From (m)	To (m)	Date	Water strike	Water level (after 20mins)	Flow	Standing level	Remarks
05/06/2025	101	1.00				05/06/2025	3.90	3.85	Slow	3.80	
Remarks									By		
Groundwater encountered from 3.8m bgl. No visual or olfactory evidence of contamination. No roots present in borehole. Borehole backfilled with arisings.							Logged	AC			
SPT: Standard Penetration Test, HP: Hand Penetrometer, B: Bulk Sample, D: Disturbed Sample							Checked	OB		Scale 01:25	



WINDOW SAMPLE LOG

Site: Land adj. to 5 Muntham Drive, Barns Green, Horsham, RH13 0PT				Project No. 25-129.02	Borehole: WS10
Client: Shanly Homes			Start: 05/06/2025	End: 05/06/2025	Sheet: 1 of 1
Method/Plant Used: Premier Rig (3D)		Co-ordinates: NT		Ground Level: NT	

Description of Strata	Legend	Depth (m bgl) (thickness)	Well Constr.	Samples/Tests			SPT Results						Notes
				Depth	No	Type	75mm	75mm	75mm	75mm	75mm	N' Value	
Light brown slightly clayey very sandy slightly gravelly SILT. Gravel is fine to coarse sub-rounded to rounded of flint. Rootlets. (TOPSOIL)		(0.5)											
		0.5											
Firm light brown orange frequently mottled light grey silty slightly sandy CLAY. (WEALD CLAY FORMATION)		(0.6)											
		1.1		1.0		SPT	1	1	2	2	3	3	10
		1.5		1.25									HP 9.8
		1.5		1.5									HP 11+
		1.5		1.75									HP 11+
		2.6		2.0		SPT	3	3	5	5	7	6	23
		2.6		2.25									HP 11+
		2.6		2.5									HP 11+
Very stiff poorly laminated dark grey brown very silty slightly sandy slightly gravelly CLAY. Gravel is medium to coarse angular to sub-angular of mudstone. (WEALD CLAY FORMATION)		(0.4)		2.75									HP 9.4
		3.0		3.0		SPT	2	4	6	12	22	10	50
													For 245mm

Casing record			Chiselling records			Water level observations (depths in metres below gl)					
Date	Diameter (mm)	Depth (m)	Time	From (m)	To (m)	Date	Water strike	Water level (after 20mins)	Flow	Standing level	Remarks
05/06/2025	101	1.00				05/06/2025	-	-	-	Dry	
Remarks									By		
No groundwater encountered. No visual or olfactory evidence of contamination. No roots present in borehole. Borehole backfilled with arisings.									Logged	AC	
									Checked	OB	
SPT: Standard Penetration Test. HP: Hand Penetrometer. B: Bulk Sample. D: Disturbed Sample											



WINDOW SAMPLE LOG

Site: Land adj. to 5 Muntham Drive, Barns Green, Horsham, RH13 0PT				Project No. 25-129.02	Borehole: WS11
Client: Shanly Homes			Start: 05/06/2025	End: 05/06/2025	Sheet: 1 of 1
Method/Plant Used: Premier Rig (3D)		Co-ordinates: NT		Ground Level: NT	

Description of Strata	Legend	Depth (m bgl) (thickness)	Well Constr.	Samples/Tests			SPT Results						Notes
				Depth	No	Type	75mm	75mm	75mm	75mm	75mm	N' Value	
Light brown slightly clayey very sandy rarely gravelly SILT. Gravel is fine to coarse sub-rounded to rounded of flint. (TOPSOIL)		(0.3)		0.2	1	ES							
Firm light brown orange frequently mottled light grey silty slightly sandy CLAY. (WEALD CLAY FORMATION)		0.3 (1.3)											
				1.0	2	D/SPT	2	2	2	2	3	3	10 HP 9.5
				1.25									
				1.5	3	D							HP 8.3
		1.6											
Firm poorly laminated brown occasionally black slightly clayey slightly sandy SILT. (WEALD CLAY FORMATION)		(0.2) 1.8		1.75									HP 11+
Stiff to very stiff poorly laminated brown pale orange mottled light grey very silty slightly sandy slightly gravelly CLAY. Gravel is fine to coarse angular to sub-angular of mudstone. (WEALD CLAY FORMATION)		(0.6)		2.0	4	D/SPT	5	5	7	7	9	8	31 HP 11+
				2.25									HP 11+
		2.4											
Very stiff to hard poorly laminated brown orange occasionally mottled light grey mottled dark red very silty slightly sandy slightly gravelly CLAY. Gravel is medium to coarse angular to sub-angular of mudstone. (WEALD CLAY FORMATION)		(0.6)		2.5	5	D							HP 11+
				2.8		SPT	15	10	20	22	8		50 For 170mm
		3.0		3.0	6	D							HP 11+

Casing record			Chiselling records			Water level observations (depths in metres below gl)					
Date	Diameter (mm)	Depth (m)	Time	From (m)	To (m)	Date	Water strike	Water level (after 20mins)	Flow	Standing level	Remarks
05/06/2025	101	1.00				05/06/2025	-	-	-	Dry	
Remarks									By		
No groundwater encountered. No visual or olfactory evidence of contamination. No roots present in borehole. Borehole backfilled with arisings.							Logged	AC			
SPT: Standard Penetration Test, HP: Hand Penetrometer, B: Bulk Sample, D: Disturbed Sample							Checked	OB			Scale 01:25



WS1 arisings



WS2 arisings



WS3 arisings



WS4 arisings



WS5 arisings



WS6 arisings

Exploratory Hole Photos				
Project Number 25-129.01	Project Title Land adj. to 5 Muntham Drive, Barns Green, Horsham, RH13 0PT	Taken by AC	Date 05/06/2025	
	WS7 arisings			
	WS8 arisings			
	WS9 arisings			
	WS10 arisings			
	WS11 arisings			

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GROUNDWATER STANDING LEVEL MONITORING

Site	Land adj. to 5 Muntham Drive, Barns Green, Horsham, RH13 0PT
Client	Shanly Homes Limited

Project	Version	Date
25-129.03	2	21 April 2026

1.0 INTRODUCTION

At the instruction of Shanly Homes Limited (the Client), Aviron Associates Limited (Aviron) has undertaken standing level groundwater monitoring upon existing monitoring wells installed in June 2025.

The report follows Aviron's Site Investigation and Generic Risk Assessment (SI and GQRA) report, dated June 2025 and referenced 25-129.02. Pertinent to this groundwater standing level assessment was the drilling of window sample boreholes WS1, WS2 and WS5 which were converted to ground gas and water monitoring wells to respective depths of 4.4m below ground level (bgl), 2.7m bgl and 4.5m bgl.

During return monitoring on 26 June 2025 groundwater was standing at 1.36m bgl in WS1, 1.98m bgl in WS2 and 1.55m bgl in WS5. It was considered the groundwater encountered was perched water within the Weald Clay Formation.

It is recommended the SI and GQRA report is reviewed if improved context of ground and groundwater conditions is required.

Enclosed within **Appendix I** as **Figure 1** is a Monitoring Well Location Plan, showing the positions of WS1, WS2 and WS5.

Enclosed within **Appendix II** are Exploratory Hole Logs and Photographs, initially enclosed within the SI and GQRA report.

2.0 GROUNDWATER STANDING LEVEL MONITORING RESULTS

Groundwater monitoring, using an electronic dip-metre, has been completed on the dates shown in Table 1.

Table 1: Standing Groundwater Levels			
Date	Monitoring Well		
	WS1 (bgl)	WS2 (bgl)	WS5 (bgl)
26 June 2025	1.36m	1.98m	1.55m
9 February 2026	0.80m	0.00m (Ground Level)	0.61m
25 March 2026	1.42m	0.23m	0.82m
20 April 2026	1.52m	0.67m	1.02m

Should 'Levels' (Above Ordnance Datum – AOD) be required for groundwater measurements it is recommended a topographic survey is completed to establish a ground level directed adjacent to the monitoring wells. The depth below ground level of groundwater can then be subtracted from the ground level.

It is considered the groundwater encountered was perched water within the Weald Clay Formation.

Should you require further information please contact the undersigned.

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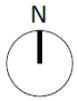
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Prepared by

James Burkitt BEng (Hons) CEnv MRICS
Managing Director







Legend

-  Window Sample Borehole
-  Monitoring Well

Notes

Figure 1

Drawing Title

Monitoring Well Location Plan

Project Number 25-129.03

Project Title

Land adj. to 5 Muntham Drive,
Barns Green, Horsham, RH13 OPT

Drawn by AC

Checked by JB

Scale NTS



Appendix II
Exploratory Hole Logs and Photographs





WINDOW SAMPLE LOG

Site: Land adj. to 5 Muntham Drive, Barns Green, Horsham, RH13 0PT				Project No. 25-129.02		Borehole: WS1	
Client: Shanly Homes				Start: 05/06/2025		End: 05/06/2025	
Method/Plant Used: Premier Rig (3D)				Co-ordinates: NT		Ground Level: NT	
						Sheet: 1 of 1	

Description of Strata	Legend	Depth (m bgl) (thickness)	Well Cnstr.	Samples/Tests			SPT Results							Notes
				Depth	No	Type	75mm	75mm	75mm	75mm	75mm	75mm	N' Value	
Light brown slightly clayey very sandy slightly gravelly SILT. Gravel is fine to coarse sub-rounded to rounded of flint. Rootlets. (TOPSOIL)		(0.5)		0.1 - 0.3	1	WAC								
Firm light brown orange frequently mottled light grey silty slightly sandy CLAY. Rootlets to 1.3m. (WEALD CLAY FORMATION)		0.5 (1.1)		0.7	2	ES								
				1.0		SPT	1	1	2	2	2	2	8	HP
				1.25										HP 9.6
				1.5										HP 10.8
Firm poorly laminated light brown mottled light grey silty slightly sandy CLAY. (WEALD CLAY FORMATION)		(0.6)		1.75										HP 6.8
				2.0		SPT	1	1	1	1	3	3	8	HP 10.2
				2.25										HP 8.9
Firm to stiff laminated brown occasionally black slightly clayey slightly sandy SILT. (WEALD CLAY FORMATION)		(0.3)		2.5										HP 8.3
Stiff poorly laminated light brown mottled light grey silty slightly sandy CLAY. (WEALD CLAY FORMATION)		(0.4)		2.75										HP 6.6
Stiff becoming very stiff laminated light grey with occasional light brown partings slightly silty gravelly CLAY. Gravel is fine to medium sub-angular of mudstone. Occasional fine shell fragments. Occasional fine partings of selenite. (WEALD CLAY FORMATION)		2.9 (1.5)		3.0		SPT	3	3	3	5	5	5	18	HP 6.4
				3.25										HP 11+
				3.5										HP 11+
				3.75										HP 11+
				4.0		SPT	3	4	4	7	9	13	33	HP 11+
				4.25										HP 11+
		4.4		4.4		SPT	16	9	24	20	6		50	HP 11+ For 170mm

Casing record			Chiselling records			Water level observations (depths in metres below gl)					
Date	Diameter (mm)	Depth (m)	Time	From (m)	To (m)	Date	Water strike	Water level (after 20mins)	Flow	Standing level	Remarks
05/06/2025	101	1.00				05/06/2025	-	-	-	Dry	
Remarks									By		
No groundwater encountered. No visual or olfactory evidence of contamination. Rootlets noted to 1.3m bgl. Gas and groundwater monitoring well installed to 4.4m bgl.							Logged	AC			
SPT: Standard Penetration Test, HP: Hand Penetrometer, B: Bulk Sample, D: Disturbed Sample							Checked	OB			Scale 01:25

[illegible]

Casing record			Chiselling records			Water level observations (depths in metres below gl)					
Date	Diameter (mm)	Depth (m)	Time	From (m)	To (m)	Date	Water strike	Water level (after 20mins)	Flow	Standing level	Remarks
05/06/2025	101	1.00				05/06/2025	2.50	2.40	Very slow	2.40	
Remarks									By		
Groundwater encountered from 2.4m bgl. No visual or olfactory evidence of contamination. Rootlets noted to 1.1m bgl. Gas and groundwater monitoring well installed to 2.7m bgl. SPT: Standard Penetration Test. HP: Hand Penetrometer. B: Bulk Sample. D: Disturbed Sample									Logged	AC	
									Checked	OB	



WINDOW SAMPLE LOG

Site: Land adj. to 5 Muntham Drive, Barns Green, Horsham, RH13 0PT				Project No. 25-129.02		Borehole: WS3			
Client: Shanly Homes				Start: 05/06/2025		End: 05/06/2025		Sheet: 1 of 1	
Method/Plant Used: Premier Rig (3D)			Co-ordinates: NT			Ground Level: NT			

Description of Strata	Legend	Depth (m bgl) (thickness)	Well Cnstr.	Samples/Tests			SPT Results							Notes
				Depth	No	Type	75mm	75mm	75mm	75mm	75mm	75mm	N' Value	
Light brown slightly clayey very sandy rarely gravelly SILT. Gravel is fine to coarse sub-rounded to rounded of flint. (TOPSOIL)		(0.6)		0.1	1	ES								
Soft becoming firm light brown orange frequently mottled light grey silty slightly sandy CLAY. (WEALD CLAY FORMATION)		0.6												
		(1.7)		1.0		SPT	1	1	1	1	1	2	5	
				1.25										HP 7.8
				1.5										HP 6.6
				1.75										HP 11+
				2.0	2	LC/SPT	1	1	2	4	5	7	18	HP 10.4
Stiff poorly laminated light brown rarely mottled light grey slightly silty slightly sandy occasionally gravelly CLAY. Gravel is medium angular to sub-angular of mudstone. (WEALD CLAY FORMATION)		(0.6)												
		2.9												
Very stiff poorly laminated dark brown dark grey slightly very silty occasionally gravelly CLAY. Gravel is medium to coarse angular to sub-angular of mudstone. (WEALD CLAY FORMATION)		(0.5)		3.0		SPT	3	3	4	7	9	15	35	
		3.4												
Very weak, poorly laminated light brown mottled orange MUDSTONE. (WEALD CLAY FORMATION)		(0.2)		3.5		SPT	21	4	50				50	For 75mm
		3.6												

Casing record			Chiselling records			Water level observations (depths in metres below gl)					
Date	Diameter (mm)	Depth (m)	Time	From (m)	To (m)	Date	Water strike	Water level (after 20mins)	Flow	Standing level	Remarks
05/06/2025	101	1.00				05/06/2025	-	-	-	Dry	
Remarks									By		
No groundwater encountered. No visual or olfactory evidence of contamination. No roots present in borehole. Borehole backfilled with arisings.							Logged	AC			
SPT: Standard Penetration Test, HP: Hand Penetrometer, B: Bulk Sample, D: Disturbed Sample							Checked	OB			Scale 01:25



WINDOW SAMPLE LOG

Site: Land adj. to 5 Muntham Drive, Barns Green, Horsham, RH13 0PT					Project No. 25-129.02		Borehole: WS4			
Client: Shanly Homes					Start: 05/06/2025		End: 05/06/2025		Sheet: 1 of 1	
Method/Plant Used: Premier Rig (3D)				Co-ordinates: NT			Ground Level: NT			

Description of Strata	Legend	Depth (m bgl) (thickness)	Well Cnstr.	Samples/Tests			SPT Results						Notes
				Depth	No	Type	75mm	75mm	75mm	75mm	75mm	N' Value	
Light brown slightly clayey very sandy rarely gravelly SILT. Gravel is fine to coarse sub-rounded to rounded of flint. Rootlets. (TOPSOIL)		(0.4)		0.1	1	ES							
Soft to firm light brown orange frequently mottled light grey silty slightly sandy CLAY. (WEALD CLAY FORMATION)		0.4		0.6	2	ES							
		(0.9)		1.0		SPT	1	2	1	2	2	2	
Firm becoming stiff and very stiff poorly laminated brown grey occasionally mottled orange silty occasionally gravelly CLAY. Gravel is medium to coarse angular to sub-angular of mudstone. (WEALD CLAY FORMATION)		1.3											
		(1.7)		2.0	3	LC/SPT	1	2	3	4	5	4	16
		3.0		3.0		SPT	7	10	13	14	14	9	50 For 295mm

Casing record			Chiselling records			Water level observations (depths in metres below gl)					
Date	Diameter (mm)	Depth (m)	Time	From (m)	To (m)	Date	Water strike	Water level (after 20mins)	Flow	Standing level	Remarks
05/06/2025	101	1.00				05/06/2025	-	-	-	Dry	
Remarks									By		
No groundwater encountered. No visual or olfactory evidence of contamination. No roots present in borehole. Borehole backfilled with arisings.							Logged	AC			
SPT: Standard Penetration Test, HP: Hand Penetrometer, B: Bulk Sample, D: Disturbed Sample							Checked	OB			Scale 01:25



WINDOW SAMPLE LOG

Site:	Land adj. to 5 Muntham Drive, Barns Green, Horsham, RH13 0PT	Project No.	25-129.02	Borehole:	WS5
Client:	Shanly Homes	Start:	05/06/2025	End:	05/06/2025
Method/Plant Used:	Premier Rig (3D)	Co-ordinates:	NT	Ground Level:	NT

Description of Strata	Legend	Depth (m bgl) (thickness)	Well Cnstr.	Samples/Tests			SPT Results							Notes
				Depth	No	Type	75mm	75mm	75mm	75mm	75mm	75mm	N' Value	
Light brown slightly clayey very sandy rarely gravelly SILT. Gravel is fine to coarse sub-rounded to rounded of flint. Rootlets. (TOPSOIL)		(0.4)		0.1 - 0.3	1	WAC								
Firm light brown orange frequently mottled light grey silty slightly sandy CLAY. Rootlets to 1.1m. (WEALD CLAY FORMATION)		0.4 (1.1)		1.0		SPT	1	1	2	3	4	4	13	
		1.5		1.25										HP 11+
		1.5		1.5										HP 11+
Firm to stiff poorly laminated light brown mottled light grey silty slightly sandy CLAY. (WEALD CLAY FORMATION)		(1.1)		1.75										HP 11+
		2.0		2.0		SPT	2	3	3	4	4	5	16	HP 11+
Stiff becoming very stiff laminated brown grey occasionally mottled orange silty gravelly CLAY. Gravel is fine to coarse angular to sub-angular of mudstone. (WEALD CLAY FORMATION)		2.6 (1.6)		3.0		SPT	3	3	4	6	8	8	26	
		4.0		4.0		SPT	5	5	8	8	9	10	35	
Very weak, poorly laminated brown grey frequently mottled bright orange red MUDSTONE. (WEALD CLAY FORMATION)		(0.3)		4.5		SPT	13	12	24	24	2		50	For 150mm
		4.5												

Casing record			Chiselling records			Water level observations (depths in metres below gl)					
Date	Diameter (mm)	Depth (m)	Time	From (m)	To (m)	Date	Water strike	Water level (after 20mins)	Flow	Standing level	Remarks
05/06/2025	101	1.00				05/06/2025	-	-	-	Dry	
Remarks									By		
No groundwater encountered. No visual or olfactory evidence of contamination. Roots noted to 1.1m bgl. Gas and groundwater monitoring well installed to 4.5m bgl.							Logged	AC			
SPT: Standard Penetration Test, HP: Hand Penetrometer, B: Bulk Sample, D: Disturbed Sample							Checked	OB			Scale 01:25



WINDOW SAMPLE LOG

Site: Land adj. to 5 Muntham Drive, Barns Green, Horsham, RH13 0PT				Project No. 25-129.02	Borehole: WS6
Client: Shanly Homes			Start: 05/06/2025	End: 05/06/2025	Sheet: 1 of 1
Method/Plant Used: Premier Rig (3D)		Co-ordinates: NT		Ground Level: NT	

Description of Strata	Legend	Depth (m bgl) (thickness)	Well Cnstr.	Samples/Tests			SPT Results						Notes
				Depth	No	Type	75mm	75mm	75mm	75mm	75mm	N' Value	
Light brown slightly clayey very sandy rarely gravelly SILT. Gravel is fine to coarse sub-rounded to rounded of flint. (TOPSOIL)		(0.3)		0.1 - 0.3	1	WAC							
Firm light brown orange frequently mottled light grey silty slightly sandy CLAY. (WEALD CLAY FORMATION)		0.3 (1.4)		1.0		SPT	2	3	3	4	3	3	HP 11+
				1.25									HP 11+
				1.5									
Firm to stiff becoming stiff to very stiff poorly laminated brown grey occasionally mottled orange silty occasionally gravelly CLAY. Gravel is medium to coarse angular to sub-angular of mudstone. (WEALD CLAY FORMATION)		1.7 (1.5)		1.75									HP 11+
				2.0		SPT	2	2	3	4	4	4	
		3.2		3.0	2	LC/SPT	2	5	6	7	8	8	29
Very weak, poorly laminated brown grey frequently mottled bright orange red MUDSTONE. Rare partings of fine shell fragments. (WEALD CLAY FORMATION)		(0.4)		3.6		SPT	10	13	13	16	16	5	50 For 235mm
		3.6											

Casing record			Chiselling records			Water level observations (depths in metres below gl)					
Date	Diameter (mm)	Depth (m)	Time	From (m)	To (m)	Date	Water strike	Water level (after 20mins)	Flow	Standing level	Remarks
05/06/2025	101	1.00				05/06/2025	-	-	-	Dry	
Remarks									By		
No groundwater encountered. No visual or olfactory evidence of contamination. No roots present in borehole. Borehole backfilled with arisings.							Logged	AC			
SPT: Standard Penetration Test, HP: Hand Penetrometer, B: Bulk Sample, D: Disturbed Sample							Checked	OB			Scale 01:25



WINDOW SAMPLE LOG

Site: Land adj. to 5 Muntham Drive, Barns Green, Horsham, RH13 0PT					Project No. 25-129.02	Borehole: WS7
Client: Shanly Homes			Start: 05/06/2025	End: 05/06/2025	Sheet: 1 of 1	
Method/Plant Used: Premier Rig (3D)		Co-ordinates: NT			Ground Level: NT	

Description of Strata	Legend	Depth (m bgl) (thickness)	Well Cnstr.	Samples/Tests			SPT Results						Notes
				Depth	No	Type	75mm	75mm	75mm	75mm	75mm	N' Value	
Light brown slightly clayey very sandy rarely gravelly SILT. Gravel is fine to coarse sub-rounded to rounded of flint. (TOPSOIL)		(0.4)											
		0.4											
Firm and stiff light brown orange frequently mottled light grey silty slightly sandy CLAY. (WEALD CLAY FORMATION)		(1.0)		1.0	1	D/SPT	2	2	3	3	4	4	14 HP 11+
				1.25									HP 11+
		1.4		1.5	2	D							HP 11+
				1.75									HP 11+
Stiff becoming very stiff poorly laminated light brown pale orange occasionally mottled light grey very silty slightly sandy slightly gravelly CLAY. Gravel is fine to coarse angular to sub-angular of mudstone. (WEALD CLAY FORMATION)		(1.8)		2.0	3	D/SPT	1	2	3	4	5	6	18 HP 11+
				2.25									HP 11+
				2.5	4	D							HP 11+
				2.75									HP 11+
				3.0	5	D/SPT	7	7	7	8	10	11	36 HP 11+
		3.2		3.25									HP 11+
Very stiff poorly laminated dark grey dark brown frequently mottled dark orange red very silty sandy occasionally gravelly CLAY. Gravel is fine to medium sub-angular of mudstone. (WEALD CLAY FORMATION)		(1.5)		3.5	6	D							HP 11+
				3.75									HP 11+
				4.0	7	D/SPT	5	4	6	7	13	14	40 HP 11+
				4.25									HP 11+
				4.5									HP 11+
		4.7		4.7	8	D/SPT	11	13	14	14	18	4	50 For 235mm

Casing record			Chiselling records			Water level observations (depths in metres below gl)					
Date	Diameter (mm)	Depth (m)	Time	From (m)	To (m)	Date	Water strike	Water level (after 20mins)	Flow	Standing level	Remarks
05/06/2025	101	1.00				05/06/2025	-	-	-	Dry	
Remarks									By		
No groundwater encountered. No visual or olfactory evidence of contamination. No roots present in borehole. Borehole backfilled with arisings.							Logged	AC			
SPT: Standard Penetration Test, HP: Hand Penetrometer, B: Bulk Sample, D: Disturbed Sample							Checked	OB			Scale 01:25



WINDOW SAMPLE LOG

Site:					Project No.		Borehole:	
Land adj. to 5 Muntham Drive, Barns Green, Horsham, RH13 0PT					25-129.02		WS8	
Client:					Start:		End:	
Shanly Homes					05/06/2025		05/06/2025	
Method/Plant Used:					Co-ordinates:		Ground Level:	
Premier Rig (3D)					NT		NT	

Description of Strata	Legend	Depth (m bgl) (thickness)	Well Cnstr.	Samples/Tests			SPT Results							Notes
				Depth	No	Type	75mm	75mm	75mm	75mm	75mm	75mm	N' Value	
Light brown slightly clayey very sandy rarely gravelly SILT. Gravel is fine to coarse sub-rounded to rounded of flint. (TOPSOIL)		(0.4)												
		0.4												
Soft to firm light brown orange frequently mottled light grey silty slightly sandy CLAY. (WEALD CLAY FORMATION)		(1.0)		1.0	1	D/SPT	1	1	1	2	2	2	7	
				1.25										HP 8.1
		1.4		1.5										HP 8.4
		(1.1)		1.75										HP 9.7
Firm poorly laminated light brown pale orange occasionally mottled light grey very silty slightly sandy slightly gravelly CLAY. Gravel is medium to coarse angular to sub-angular of mudstone. (WEALD CLAY FORMATION)				2.0	2	D/SPT	1	2	2	2	3	3	10	HP 8.7
				2.25										HP 8.4
		2.5												
Very weak, poorly laminated brown grey frequently mottled bright orange red MUDSTONE. Rare partings of fine shell fragments. (WEALD CLAY FORMATION)		(0.5)		3.0	3	D/SPT	10	15	25	25			50	For 150mm
		3.0												

Casing record			Chiselling records			Water level observations (depths in metres below gl)					
Date	Diameter (mm)	Depth (m)	Time	From (m)	To (m)	Date	Water strike	Water level (after 20mins)	Flow	Standing level	Remarks
05/06/2025	101	1.00				05/06/2025	-	-	-	Dry	
Remarks									By		
No groundwater encountered. No visual or olfactory evidence of contamination. No roots present in borehole. Borehole backfilled with arisings.							Logged	AC			
SPT: Standard Penetration Test, HP: Hand Penetrometer, B: Bulk Sample, D: Disturbed Sample							Checked	OB			Scale 01:25



WINDOW SAMPLE LOG

Site:				Project No.		Borehole:	
Land adj. to 5 Muntham Drive, Barns Green, Horsham, RH13 0PT				25-129.02		WS9	
Client:				Start:		End:	
Shanly Homes				05/06/2025		05/06/2025	
Method/Plant Used:				Co-ordinates:		Ground Level:	
Premier Rig (3D)				NT		NT	
						Sheet:	
						1 of 1	

Description of Strata	Legend	Depth (m bgl) (thickness)	Well Cnstr.	Samples/Tests			SPT Results							Notes
				Depth	No	Type	75mm	75mm	75mm	75mm	75mm	75mm	N' Value	
Light brown slightly clayey very sandy slightly gravelly SILT. Gravel is fine to coarse sub-rounded to rounded of flint. Rootlets. (TOPSOIL)		(0.5)												
		0.5												
Firm light brown orange frequently mottled light grey silty slightly sandy CLAY. (WEALD CLAY FORMATION)		(1.0)												
		1.5		1.0	1	D/SPT	1	1	2	2	3	3	10	
				1.25										HP 11+
				1.5	2	D								HP 9.6
Firm poorly laminated brown pale orange mottled light grey very silty slightly sandy slightly gravelly CLAY. Gravel is medium to coarse angular to sub-angular of mudstone. (WEALD CLAY FORMATION)		(0.9)												
		2.4		1.75										HP 10.2
				2.0	3	D/SPT	1	1	1	2	2	3	8	HP 7.9
		2.6		2.25										HP 7.3
Firm poorly laminated brown occasionally black slightly clayey slightly sandy SILT. (WEALD CLAY FORMATION)		(0.2)		2.5	4	D								HP 7.7
Firm to stiff poorly laminated brown pale grey silty slightly sandy slightly gravelly CLAY. Gravel is fine to medium sub-rounded of mudstone. (WEALD CLAY FORMATION)		(0.9)												
		3.5		2.75										HP 7.7
				3.0	5	D/SPT	1	3	6	3	3	3	15	HP 9.8
				3.25										HP 11+
		4.0		3.5	6	D								HP 10.6
Very weak, poorly laminated light grey rarely mottled brown MUDSTONE. (WEALD CLAY FORMATION)		(0.5)												
				4.0	7	D/SPT	1	5	7	12	20	11	50	For 265mm

Casing record			Chiselling records			Water level observations (depths in metres below gl)					
Date	Diameter (mm)	Depth (m)	Time	From (m)	To (m)	Date	Water strike	Water level (after 20mins)	Flow	Standing level	Remarks
05/06/2025	101	1.00				05/06/2025	3.90	3.85	Slow	3.80	
Remarks									By		
Groundwater encountered from 3.8m bgl. No visual or olfactory evidence of contamination. No roots present in borehole. Borehole backfilled with arisings.							Logged	AC			
SPT: Standard Penetration Test, HP: Hand Penetrometer, B: Bulk Sample, D: Disturbed Sample							Checked	OB			Scale 01:25



WINDOW SAMPLE LOG

Site: Land adj. to 5 Muntham Drive, Barns Green, Horsham, RH13 0PT					Project No. 25-129.02		Borehole: WS10			
Client: Shanly Homes					Start: 05/06/2025		End: 05/06/2025		Sheet: 1 of 1	
Method/Plant Used: Premier Rig (3D)				Co-ordinates: NT			Ground Level: NT			

Description of Strata	Legend	Depth (m bgl) (thickness)	Well Cnstr.	Samples/Tests			SPT Results						Notes
				Depth	No	Type	75mm	75mm	75mm	75mm	75mm	N' Value	
Light brown slightly clayey very sandy slightly gravelly SILT. Gravel is fine to coarse sub-rounded to rounded of flint. Rootlets. (TOPSOIL)		(0.5)											
		0.5											
Firm light brown orange frequently mottled light grey silty slightly sandy CLAY. (WEALD CLAY FORMATION)		(0.6)											
		1.1		1.0		SPT	1	1	2	2	3	3	10
		1.5		1.25									HP 9.8
				1.5									HP 11+
				1.75									HP 11+
				2.0		SPT	3	3	5	5	7	6	23
				2.25									HP 11+
				2.5									HP 11+
		2.6											
Very stiff poorly laminated dark grey brown very silty slightly sandy slightly gravelly CLAY. Gravel is medium to coarse angular to sub-angular of mudstone. (WEALD CLAY FORMATION)		(0.4)		2.75									HP 9.4
		3.0		3.0		SPT	2	4	6	12	22	10	50
													For 245mm

Casing record			Chiselling records			Water level observations (depths in metres below gl)						
Date	Diameter (mm)	Depth (m)	Time	From (m)	To (m)	Date	Water strike	Water level (after 20mins)	Flow	Standing level	Remarks	
05/06/2025	101	1.00				05/06/2025	-	-	-	Dry		
Remarks									By			
No groundwater encountered. No visual or olfactory evidence of contamination. No roots present in borehole. Borehole backfilled with arisings.								Logged	AC			
								Checked	OB			Scale 01:25
								SPT: Standard Penetration Test, HP: Hand Penetrometer, B: Bulk Sample, D: Disturbed Sample				



WINDOW SAMPLE LOG

Site: Land adj. to 5 Muntham Drive, Barns Green, Horsham, RH13 0PT				Project No. 25-129.02	Borehole: WS11
Client: Shanly Homes			Start: 05/06/2025	End: 05/06/2025	Sheet: 1 of 1
Method/Plant Used: Premier Rig (3D)		Co-ordinates: NT		Ground Level: NT	

Description of Strata	Legend	Depth (m bgl) (thickness)	Well Cnstr.	Samples/Tests			SPT Results						Notes
				Depth	No	Type	75mm	75mm	75mm	75mm	75mm	N' Value	
Light brown slightly clayey very sandy rarely gravelly SILT. Gravel is fine to coarse sub-rounded to rounded of flint. (TOPSOIL)		(0.3) 0.3		0.2	1	ES							
Firm light brown orange frequently mottled light grey silty slightly sandy CLAY. (WEALD CLAY FORMATION)		(1.3) 1.6		1.0	2	D/SPT	2	2	2	2	3	3	HP 9.5
				1.25									HP 8.3
				1.5	3	D							HP 11+
Firm poorly laminated brown occasionally black slightly clayey slightly sandy SILT. (WEALD CLAY FORMATION)		(0.2) 1.8		1.75									HP 11+
Stiff to very stiff poorly laminated brown pale orange mottled light grey very silty slightly sandy slightly gravelly CLAY. Gravel is fine to coarse angular to sub-angular of mudstone. (WEALD CLAY FORMATION)		(0.6) 2.4		2.0	4	D/SPT	5	5	7	7	9	8	HP 11+
				2.25									HP 11+
				2.5	5	D							HP 11+
Very stiff to hard poorly laminated brown orange occasionally mottled light grey mottled dark red very silty slightly sandy slightly gravelly CLAY. Gravel is medium to coarse angular to sub-angular of mudstone. (WEALD CLAY FORMATION)		(0.6) 3.0		2.8		SPT	15	10	20	22	8		For 170mm
				3.0	6	D							HP 11+

Casing record			Chiselling records			Water level observations (depths in metres below gl)					
Date	Diameter (mm)	Depth (m)	Time	From (m)	To (m)	Date	Water strike	Water level (after 20mins)	Flow	Standing level	Remarks
05/06/2025	101	1.00				05/06/2025	-	-	-	Dry	
Remarks									By		
No groundwater encountered. No visual or olfactory evidence of contamination. No roots present in borehole. Borehole backfilled with arisings.							Logged	AC			
SPT: Standard Penetration Test, HP: Hand Penetrometer, B: Bulk Sample, D: Disturbed Sample							Checked	OB			Scale 01:25



WS1 arisings



WS2 arisings



WS3 arisings



WS4 arisings



WS5 arisings



WS6 arisings



WS7 arisings



WS8 arisings



WS9 arisings



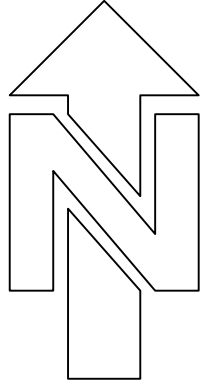
WS10 arisings



WS11 arisings

Appendix C

Existing Drainage Characteristics Plan



DO NOT SCALE

- LEGEND
- DIRECTION OF EXISTING OVERLAND FLOW
 - EXISTING DRAINAGE DITCH
 - EXISTING CULVERTED WATERCOURSE
 - EXISTING SURFACE WATER MANHOLE
 - EXISTING FOUL WATER MANHOLE
 - EXISTING FOUL WATER SEWER
 - SITE BOUNDARY

EXISTING AREA 1.87 HA

SMUGGLERS' LANE

P25-1183-03

P25-1183-04

SITE LOCATION PLAN
SCALE 1:2000

P1	INITIAL ISSUE	REVISION	4	15.08.20
MM			BY	DATE

DRAWING STATUS
PRELIMINARY

DRAWING TITLE
**EXISTING DRAINAGE CHARACTERISTICS
PLAN SHEET 1 OF 2**

PROJECT
**CHAPEL ROAD, BARNES
GREEN**

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London, Henley-on-Thames and Gloucester

Drawn	Checked	Scale	Date
JL	AU	1:250 @ A0	MAY 2020

Project Number		Drawing Number	Revision
P25-1183		03	P1

Appendix D

Development Layout



Rev	Date	Description
1	20.04.26	1:500

SHANLY
— HOMES —

Project
Chapel Road
Barns Green

Planning

Drawing
Site Layout

Date	Scale @ A1	Drawn
20.04.26	1:500	CE

Drawing number	Revision
1425/Pln/101	-

Appendix E

Southern Water correspondence



Matthew Walsh
8 Friday Street
Henley On Thames
Oxfordshire
RG91AH

Your ref
24322

Our ref
DSA000051340

Date
16th of February 2026

Contact
Tel 0330 303 0119

Dear Mr Walsh,
Level 1 Capacity Check Enquiry: Shanly Homes South East Ltd.

We have completed the capacity check for the above development site and the results are as follows:

Foul Water

The enquiry has been assessed to determine the capacity available for **0.28 l/s** at manhole reference **TQ12265901 (512535, 126913)**.

There is currently adequate capacity in the local sewerage network to accommodate a foul flow of **0.28 l/s** for the above development at manhole reference **TQ12265901 (512535, 126913)**. Southern Water will not permit a surface water connection into the foul network. Please refer to our surface water management policy.

Connecting to our network

It should be noted that this information is only a hydraulic assessment of the existing sewerage network and does not grant approval for a connection to the public sewerage system. A formal Sewer Connection (S106) application is required to be completed and approved by Southern Water Services. To make an application visit: developerservices.southernwater.co.uk

Please note the information provided above does not grant approval for any designs/drawings submitted for the capacity analysis. The results quoted above are only valid for 12 months from the date of issue of this letter. **Any revisions in flow rate or alternative point of connection will require a new Pre-Planning Application to be submitted.**



Please get in touch via the Get Connected customer dashboard if you have any queries.

Yours sincerely,

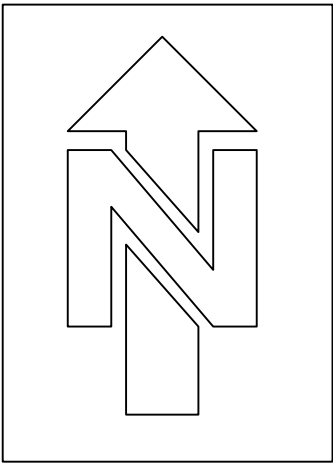
Future Growth Planning Team
Developer Services

southernwater.co.uk/developing-building/planning-your-development

Appendix F

Drained Area Plan & Runoff Calculations

MANHOLE	CATCHMENT					
	ROOF AREA	ROOF AREA INCLUDING 10% URBAN CREEP	DRIVEWAY AREA	PATIO AREA	ROAD AREA	TOTAL
S2	569.8	612	145	193	171	1121
S4	0	0	0	0	223	223
S5	314	337	129	99	128	693
S6	221.1	228	86	65	356	735
S7	762.1	830	286	208	136	1460
S8	0	0	0	0	149	149
S9	114.7	122	98	40	434	694
S10	0	0	14	0	574	588
S12	174	187	119	52	0	358
S13	424.2	484	152	180	226	1042
S15	151.3	166	61	0	113	340
S17	0	0	107	0	257	364



P6	CATCHMENT AREAS UPDATED	PN	20.05.26
P5	UPDATED TO SUIT LATEST SITE LAYOUT	JH	15.05.26
P4	PATIO AREA ADDED	JH	05.03.26
P3	UPDATED FOR NEW SITE PLAN AND UPDATED CATCHMENT AREAS	JH	20.02.26
P2	UPDATED FOR NEW SITE PLAN AND CATCHMENTS ADDED	JH	19.02.26
P1	...	JH	03.02.26
MK	REVISION	BY	DATE

DRAWING STATUS
PRELIMINARY

DRAWING TITLE
DRAINED AREAS PLAN

PROJECT
CHAPEL ROAD, BARNS GREEN



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London, Henley-on-Thames and Gloucester

Drawn JH	Chkd	Scales 1:400@A1	Date FEB' 26
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Purpose of Issue
FOR PLANNING

Drawing Number P25-1183 SK01	Revision P6
--	-----------------------

Pre-Development Run-Off Volume:

Pre-development discharge

Site Makeup	Greenfield	OK
Greenfield Method	ReFH2	Cancel
FEH filename	T:\2025 Drawings (P25)\P	Load
Region	England, Wales, NI	
Include Baseflow	☐	
Positively Drained Area (ha)	0.780	
Return Period (years)	100	
Storm Duration (mins)	360	
Betterment (%)	0	
	Calc	
Runoff Volume (m³)	337	

Note: FEH point descriptors can be downloaded from fehweb.ceh.ac.uk

Only XML file format can be used

FEH-22 is the current FEH data and this should be used for new development

ReFH2 legacy – Doesn't contain the new BFIHOST19 descriptor
ReFH2 – Contains the new BFIHOST19 descriptor

Post Development Run-Off Volume:

Modified Rational Method = $2.78 \times \text{Volume Runoff Coefficient (Cv)} \times \text{Area A} \times \text{Average Rainfall Intensity (I}_{\text{avg}}) \times \text{Storm Duration}$

Return Period	Cv	I _(peak) (mm)	I _(ave) (mm)	A (Ha)	Runoff Volume (m³)
100	1	41.724	10.644	0.7800	1384.8

Simpson Associates		Page 1
Unit B10, Elmbridge Court Business Park Gloucester GL3 1JZ		
Date 15/05/2026 13:56 File	Designed by jess.ireland Checked by	
XP Solutions Network 2019.1		

Rainfall profile

Storm duration (mins) 360

	FEH Data	
FEH Rainfall Version		2013
Site Location	GB 512538 127144 TQ 12538 27144	
Data Type		Point
Peak Intensity (mm/hr)		41.724
Ave. Intensity (mm/hr)		10.644
Return Period (years)		100.0

