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9th May 2025

ref: A12342-1/250428/L2

Steve Carrington
Foreman Homes
Yarmouth House
1300 Parkway
Whiteley
PO15 7AX

By Email: steve@foremanhomes.co.uk

Dear Steve,

RE: Goodwillie's Timber Yard, 154 London Road, Purbrook, Waterlooville, Portsmouth, PO7 5SR – Winter Groundwater Monitoring

Omnia were commissioned by Foreman Homes to undertake winter groundwater monitoring within ten (10no.) locations across the site of Goodwillie's Timber Yard, 154 London Road, Purbrook, Waterlooville, Portsmouth, PO7 5SR, in order to provide detailed information on groundwater levels over the winter to spring months between January and April 2025.

Yours sincerely,

Jevhan Williams
Graduate Geo-Environmental Consultant

Hannah Spurling
Senior Geo-Environmental Consultant

Attachments:
Appendix I: Limitations
Appendix II: Figures
Appendix III: Exploratory Hole Logs

Quality Assurance

Project Number: A12342-1 May 2025						
Geo-Environmental	**Winter Groundwater Monitoring Report**					
	Prepared by:	J. Williams	**Date:**	28/04/2025	**Signature:**	
	Reviewed & Authorised by:	H. Spurling	**Date:**	09/05/2025	**Signature:**	
Updated section 3.0	**Prepared by:**	H. Spurling	**Date:**	23/05/2025	**Signature:**	
Updated to include updated proposed development	**Prepared by:**	H. Spurling	**Date:**	04/02/2026	**Signature:**	

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01489 808088

Site Address	Goodwillie's Timber Yard, 154 London Road, Purbrook, Waterlooville, Portsmouth, PO7 5SR
National Grid Reference	467684, 108673

1.0 BACKGROUND

Omnia have been commissioned by Foreman Homes to undertake a winter groundwater monitoring investigation at Goodwillie's Timber Yard, 154 London Road, Purbrook, Waterlooville, Portsmouth, PO7 5SR to support the client's drainage design. It is understood that Foreman Homes are planning to redevelop the above referenced site to a residential end use with approximately one hundred and eleven (111no.) low rise houses.

A period of groundwater monitoring was required to provide information on groundwater levels over the winter period to assist with drainage design.

A site location plan, proposed development plan and intrusive location plan are presented as Figure 1.0, Figure 2.0 and Figure 3.0 respectively within Appendix II.

The results of Omnia's winter groundwater monitoring investigation are provided within this factual report.

2.0 GEOLOGY & HYDROGEOLOGY

The British Geological Survey (BGS) map for the site (Fareham, Solid and Drift, Sheet 316 at a scale of 1:50,000, 1998) indicates that the site is underlain by the following geological sequence:

Table 2-1 Summary of Geology and Hydrogeology

Geological Unit	Classification	Description	Aquifer Classification
Bedrock	Wittering Formation (majority of site)	Sand, silt and clay	Secondary A
	London Clay Formation (most northern extent only)	Clay, silt and sand	

2.1 Ground Conditions

The intrusive site investigation undertaken by Omnia in January 2025 found that the geology present on-site generally corresponds with the published BGS mapping. The findings are outlined below and exploratory hole logs are included in Appendix III.

2.1.1 Made Ground

Made Ground was encountered within all ten (10no.) intrusive locations (GW201-GW210) to a maximum depth of 2.00 mbgl within GW03. The base of the made ground was proven in all ten (10no.) locations, with an average thickness recorded as 1.15m. It typically comprised:

- Dark brown slightly sandy to sandy gravelly to very gravelly CLAY. Sand was fine to coarse. Gravel was sub-angular to sub-rounded fine to coarse flint, brick, concrete and rare glass.

- Dark brown/orangeish brown slightly sandy slightly silty gravelly fine to coarse SAND or slightly gravelly clayey fine to coarse SAND with occasional sub-angular to rounded gravel of flint, wood, brick and rare glass.
- Dark brown sandy gravelly SILT/ CLAY. Sand was fine to coarse. Gravel was sub-angular to sub-rounded fine to coarse flint, brick and weak low density off-white chalk.
- Brown clayey or sandy sub-angular to sub-rounded GRAVEL of flint with occasional cobbles of flint. Sand was fine to coarse.

2.1.2 Bedrock Deposits – Wittering Formation

Bedrock of the Wittering Formation was encountered in nine (9no.) intrusive locations (GW01 to GW02 and GW04 to GW10) to a maximum depth of 4.00 mbgl within GW01, GW08 and GW09. The base of the Wittering Formation was not proven in any location and typically comprised:

- Light to dark brown mottled light brown/orangeish brown silty sandy CLAY or sandy gravelly CLAY. Sand was fine to coarse. Gravel was sub-angular to sub-rounded fine to coarse flint.
- Yellowish brown/orangeish brown/light brown mottled orangeish brown clayey slightly silty to silty/slightly gravelly fine to coarse SAND. Gravel was sub-angular to sub-rounded fine to coarse flint.

2.1.3 Groundwater Conditions

During the drilling of the boreholes for the monitoring installations no groundwater strikes were encountered.

2.2 Topography

DEFRA LiDAR data presented in Figure 4.0 (Appendix II) indicates the topography of the site was generally highest in the central area at approximately 63m above Ordnance Datum (AOD), sloping downwards approximately 2m (60m AOD) towards the northwest and approximately 7m (56m AOD) towards the southeast.

Given the approximately 7m difference in elevation across the site, consideration should be given to elevation of the monitoring wells when assessing the groundwater conditions on site as the elevation of the response zone will vary between locations. A summary of the installation details of the monitoring wells on site is presented in Table 2-2.

Table 2-2 Monitoring well installation details

Location	Easting	Northing	Ground level (m AOD)	Borehole Response Zone (m bgl)	Borehole Response Zone (m AOD)
GW01	467687.00	108701.00	60.90	1.00-4.00	59.90-56.90
GW02	467714.00	108671.00	62.40	1.00-3.00	61.40-59.40
GW03	467631.00	108613.00	61.90	1.00-2.00	60.90-59.90
GW04	467688.00	108560.00	60.70	1.00-3.00	59.70-57.70
GW05	467656.00	108533.00	60.20	1.00-3.00	59.20-57.20
GW06	467727.00	108591.00	61.00	1.00-2.00	60.00-59.00
GW07	467650.00	108488.00	58.60	1.00-3.00	57.60-55.60
GW08	467701.00	108512.00	59.00	1.00-4.00	58.00-55.00
GW09	467746.00	108558.00	59.10	1.00-4.00	58.10-55.10
GW10	467740.00	108489.00	57.50	0.50-1.00	57.00-56.50

3.0 GROUNDWATER MONITORING RESULTS

3.1 Spot Monitoring Results

Results of the groundwater spot monitoring visits undertaken between 31/01/2025 to 29/04/2025 for all ten (10no.) monitoring wells have been summarised and included in Table 3-1 below.

Table 3-1 Groundwater Monitoring Results

Location	Date	Ground elevation (m AOD)	Depth to base of well (m bgl)	Elevation of base of well (m AOD)	Depth to groundwater (m bgl)	Groundwater elevation (m AOD)
GW201	31/01/2025	60.90	3.99	56.91	Dry	Dry
	27/02/2025		4.00	56.90	Dry	Dry
	26/03/2025		4.00	56.90	Dry	Dry
	29/04/2025		4.00	56.90	3.88	57.02
GW202	31/01/2025	62.40	3.06	59.34	Dry	Dry
	27/02/2025		3.09	59.31	Dry	Dry
	26/03/2025		3.07	59.33	Dry	Dry
	29/04/2025		3.09	59.31	Dry	Dry
GW203	31/01/2025	61.90	2.07	59.83	1.81	60.09
	27/02/2025		2.10	59.80	1.97	59.93
	26/03/2025		2.09	59.81	Dry	Dry
	29/04/2025		2.10	59.80	1.97	59.93
GW204	31/01/2025	60.70	3.07	57.63	Dry	Dry
	27/02/2025		3.09	57.61	Dry	Dry
	26/03/2025		3.09	57.61	Dry	Dry
	29/04/2025		3.09	57.61	Dry	Dry
GW205	31/01/2025	60.20	2.98	57.22	0.35*	59.85*
	27/02/2025		2.88	57.32	1.76	58.44
	26/03/2025		2.89	57.31	Dry	Dry
	29/04/2025		2.89	57.31	Dry	Dry
GW206	31/01/2025	61.00	2.10	58.90	Dry	Dry
	27/02/2025		2.10	58.90	1.97	59.03
	26/03/2025		2.09	58.91	1.97	59.03
	29/04/2025		2.09	58.91	1.97	59.03
GW207	31/01/2025	58.60	3.09	55.51	Dry	Dry
	27/02/2025		3.10	55.50	Dry	Dry
	26/03/2025		3.09	55.51	Dry	Dry
	29/04/2025		3.09	55.51	Dry	Dry
GW208	31/01/2025	59.00	3.85	55.15	Dry	Dry
	27/02/2025		3.93	55.07	Dry	Dry
	26/03/2025		3.93	55.07	Dry	Dry
	29/04/2025		3.95	55.05	Dry	Dry
GW209	31/01/2025	59.10	4.05	55.05	Dry	Dry
	27/02/2025		3.68	55.42	Dry	Dry
	26/03/2025		3.67	55.43	Dry	Dry
	29/04/2025		3.67	55.43	Dry	Dry
GW210	31/01/2025	57.50	1.02	56.48	Dry	Dry

Location	Date	Ground elevation (m AOD)	Depth to base of well (m bgl)	Elevation of base of well (m AOD)	Depth to groundwater (m bgl)	Groundwater elevation (m AOD)
	27/02/2025		0.94	56.56	Dry	Dry
	26/03/2025		0.93	56.57	Dry	Dry
	29/04/2025		0.91	56.59	Dry	Dry

**See Section 4.0 for discussion on this data reading.*

The minimum and maximum depths to groundwater recorded in each monitoring well location have been summarised in Table 3-2 below.

Table 3-*2 Summary of Minimum and Maximum Winter Groundwater Levels – 2024/2025 Period*

Location	Shallowest Groundwater Level (mbgl)	Highest Groundwater Elevation (m AOD)	Deepest Groundwater Level (mbgl)	Lowest Groundwater Elevation (m AOD)	Date of Shallowest Groundwater Level
GW201	3.88	57.02	Dry	Dry	29/04/2025
GW202	N/A (Dry)	Dry	Dry	Dry	N/A
GW203	1.81	60.09	Dry	Dry	31/01/2025
GW204	N/A (Dry)	Dry	Dry	Dry	N/A
GW205	1.76	58.44	Dry	Dry	27/02/2025
GW206	1.97	59.03	Dry	Dry	27/02/2025, 26/03/2025, 29/04/2025
GW207	N/A (Dry)	Dry	Dry	Dry	N/A
GW208	N/A (Dry)	Dry	Dry	Dry	N/A
GW209	N/A (Dry)	Dry	Dry	Dry	N/A
GW210	N/A (Dry)	Dry	Dry	Dry	N/A

4.0 Discussion

The reading taken on the 31/01/2025 within GW05 when compared to the rest of the data for GW05 and the rest of the site is considered to be anomalous. Review of rainfall data for the week leading up to this reading shows a total of 44.4mm of rainfall. However, review of rainfall for the follow-on visits shows that the second visit (27/02/2025) was recorded after 58.9mm of rainfall and did not record a similar level of groundwater and therefore the shallow reading does not correlate with rainfall data. Additionally, a review of all intrusive locations advanced at the site, which includes ten (10no.) window locations and a total of twenty-one (21no.) trial pit locations to date, indicates that no locations recorded a groundwater strike during intrusive works. It should be noted that visit 1 (31/01/2025) was conducted on the same day as drilling works had been completed. It is therefore considered likely that the groundwater reading taken on the 31/01/2025 within GW05 was temporarily raised due to localised ground disturbance resulting from the drilling works and monitoring well installation. The reading taken on the 31/01/2025 in GW05 is considered to be an anomalous reading and shouldn't be considered representative of ground conditions.

END OF REPORT

APPENDIX I

LIMITATIONS

1. This report and its findings should be considered in relation to the terms of reference and objectives agreed between OE Ltd and the Client as indicated in Section 1.2.

2. For the work, reliance has been placed on publicly available data obtained from the sources identified. The information is not necessarily exhaustive and further information relevant to the site may be available from other sources. When using the information, it has been assumed it is correct. No attempt has been made to verify the information.

3. This report has been produced in accordance with current UK policy and legislative requirements for land and groundwater contamination, which are enforced, by the local authority and the Environment Agency. Liabilities associated with land contamination are complex and requires advice from legal professionals.

4. During the site walkover reasonable effort has been made to obtain an overview of the site conditions. However, during the site walkover no attempt has been made to enter areas of the site that are unsafe or present a risk to health and safety, are locked, barricaded, overgrown, or the location of the area has not been made known or accessible.

5. Access considerations, the presence of services and the activities being carried out on the site limited the locations where sampling locations could be installed and the techniques that could be used.

6. Site sensitivity assessments have been made based on available information at the time of writing and are ultimately for the decision of the regulatory authorities.

7. Where mention has been made to the identification of Japanese Knotweed and other invasive plant species and asbestos or asbestos-containing materials this is for indicative purposes only and do not constitute or replace full and proper surveys.

8. The executive summary, conclusions and recommendations sections of the report provide an overview and guidance only and should not be specifically relied upon without considering the context of the report in full.

9. OE cannot be held responsible for any use of the report or its contents for any purpose other than that for which it was prepared. The copyright in this report and other plans and documents prepared by OE is owned by them and no such plans or documents may be reproduced, published, or adapted without written consent. Complete copies of this may, however, be made and distributed by the client as is expected in dealing with matters related to its commission. Should the client pass copies of the report to other parties for information, the whole report should be copied, but no professional liability or warranties shall be extended to other parties by OE in this connection without their explicit written agreement there to by OE.

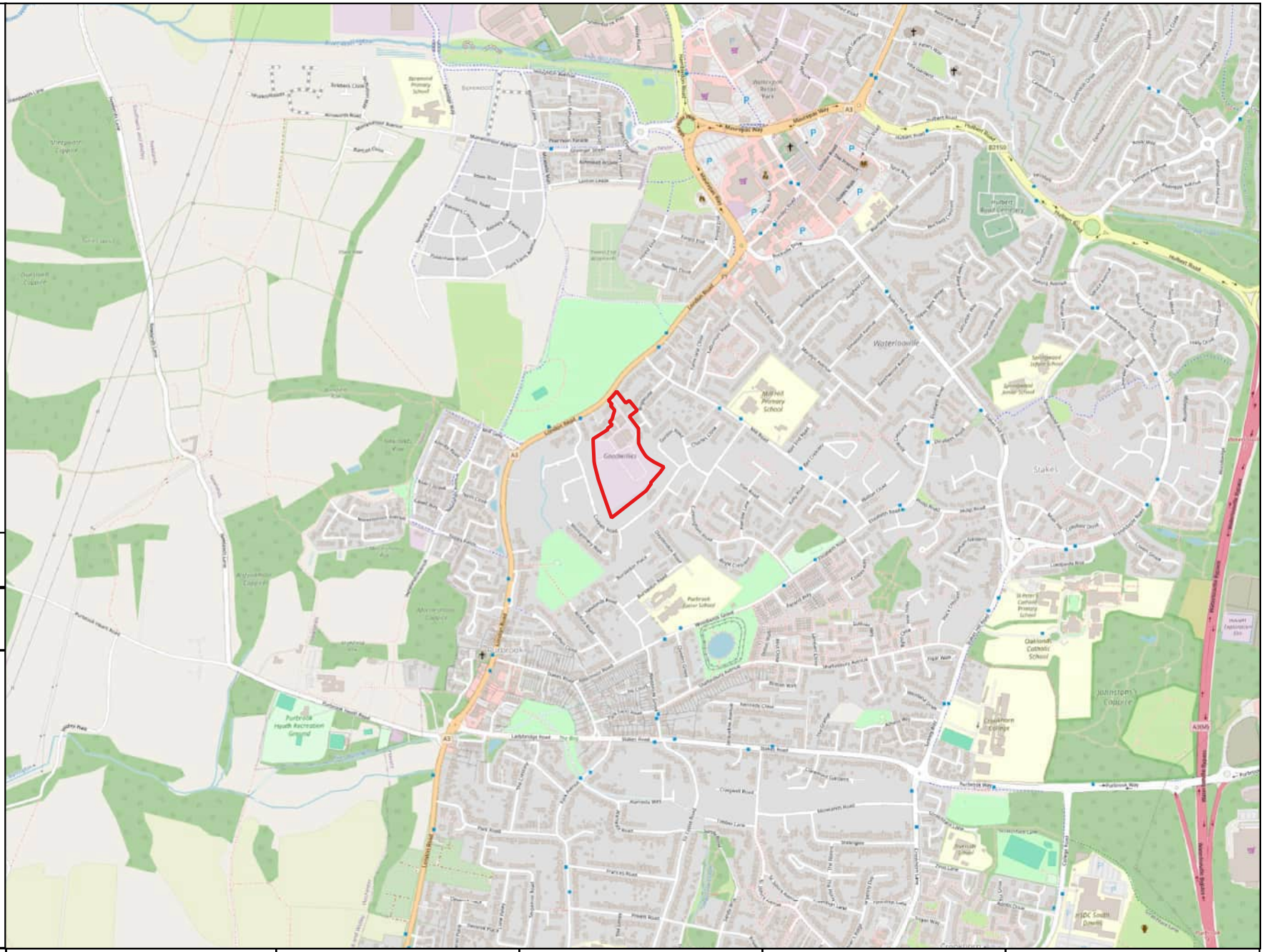
10. New information, revised practices or changes in legislation may necessitate the re-interpretation of the report, in whole or in part.

APPENDIX II

FIGURES

Key

Site Boundary



0 0.25 0.5 km

Scale	Paper Size
1:15,000	A4

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OMNIA

Job Title: Goodwillies Timber Yard	Client: Foreman Homes	Project Number: A12342-1	Date: 19/12/2024	Drawing Title: Figure 1.0 Site Location Plan
		Drawn By: H. Spurling	Authorised By: T. Rees-Blanchard	

Key

Site Boundary

0 25 50 m

Scale	Paper Size
1:1,400	A4

Contains information provided by the client (Ref: 23.128 Goodwillies Timber Yard Extract 220126)

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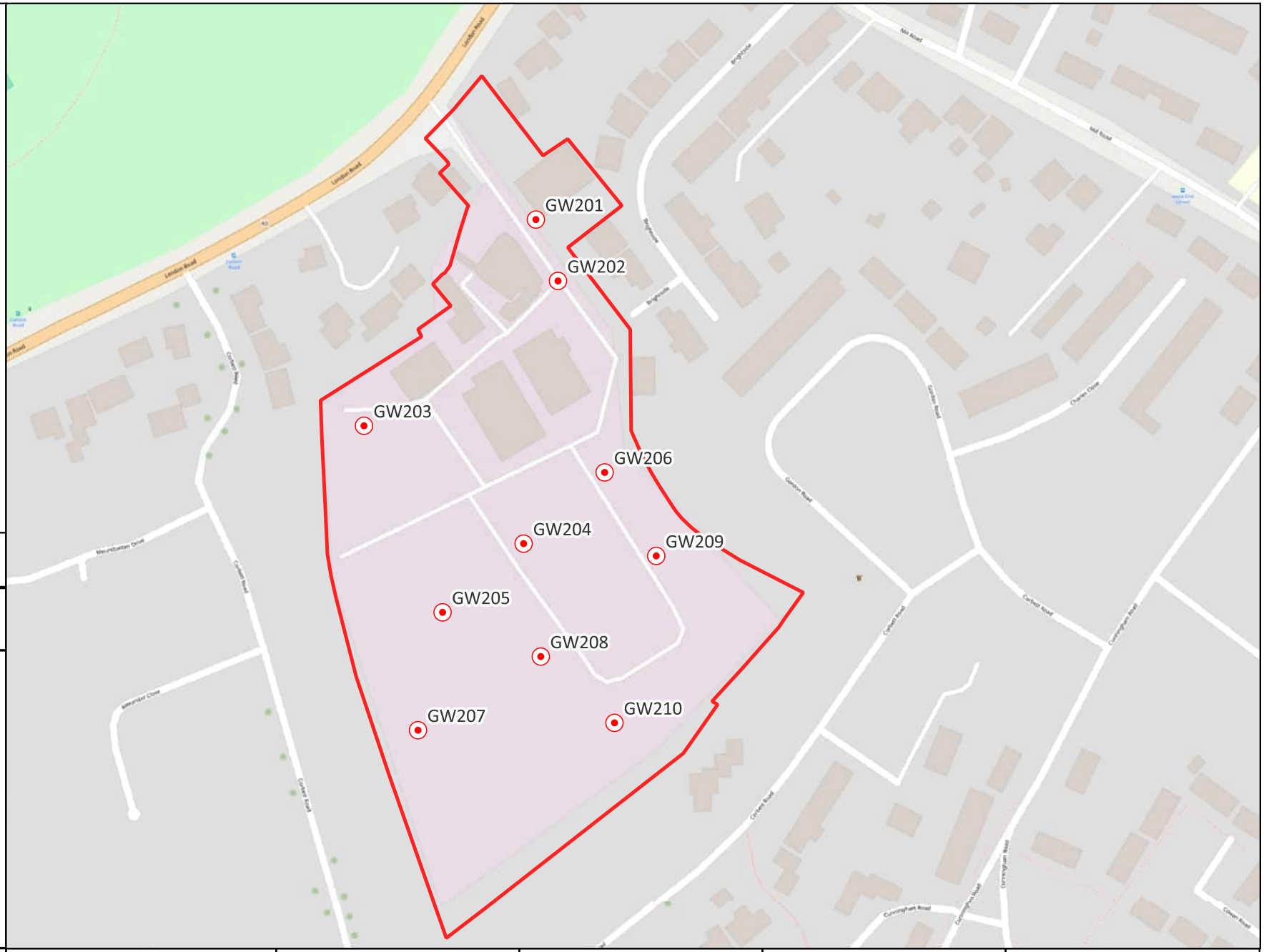
OMNIA

Project Number: A12342-1	Client: Foreman Homes	Drawn By: H. Spurling	Drawing Title: Figure 2.0 Proposed Development Plan
Job Title: Goodwillies Timber Yard	Date: 04/02/2026	Authorised By: O. Maxwell	

Key

Groundwater Monitoring Locations

Site Boundary



0 50 100 m

Scale	Paper Size
1:2,200	A4

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OMNIA

Job Title: Goodwillies Timber Yard	Client: Foreman Homes	Project Number: A12342-1	Date: 02/05/2025
		Drawn By: J. Williams	Authorised By: H. Spurling

Drawing Title: Figure 3.0 Intrusive Location Plan

APPENDIX III

EXPLORATORY HOLE LOGS

Borehole Log

OMNIA			Borehole No. **GW201** Sheet 1 of 1
Project Name: Goodwillies Timber Yard Phase 2	Project No. A12342-1	Co-ords: 467687.00 - 108701.00	Hole Type WS
Location: 154 London Road, Purbrook, Waterlooville, Portsmouth, PO7 5SR		Level:	Scale 1:25
Client: Foreman Homes		Dates: 30/01/2025 - 30/01/2025	Logged By JJW

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.10			Dark brown sandy gravelly SILT. Sand is fine to coarse. Gravel is sub-angular to sub-rounded fine to coarse flint. [MADE GROUND]
								Dark brown slightly sandy very gravelly CLAY. Sand is fine to coarse. Gravel is sub-angular to sub-rounded fine to coarse brick, flint and rare glass. [MADE GROUND]
		1.00		N=1 (0,0/0,1,0,0)				*From 0.90m bgl becomes silty.*
					1.60			*Between 1.50 and 1.60m bgl occasional sub-angular to sub-rounded fine to coarse flint gravel.*
								Light brown sandy CLAY. Sand is fine to coarse. [WITTERING FORMATION]
		2.00		N=7 (1,2/1,2,2,2)	2.00			Dark brown mottled light brown sandy gravelly CLAY with occasional sub-angular to sub-rounded cobbles of flint. Sand is fine to coarse. Gravel is sub-angular to sub-rounded fine to coarse flint. [WITTERING FORMATION]
					2.80			Yellowish brown mottled orangeish brown clayey silty fine to coarse SAND. [WITTERING FORMATION]
		3.00		N=25 (4,5/7,6,5,7)				
		4.00		N=19 (3,3/4,5,5,5)	4.00			End of borehole at 4.00 m

Remarks
1. Position scanned with calibrated CAT & 'Genny' prior to excavation. 2. No groundwater encountered.

AGS

OMNIA

Borehole Log

Borehole No.
GW202
Sheet 1 of 1

Project Name: Goodwillies Timber Yard Phase 2	Project No. A12342-1	Co-ords: 467714.00 - 108671.00	Hole Type WS
Location: 154 London Road, Purbrook, Waterlooville, Portsmouth, PO7 5SR		Level:	Scale 1:25
Client: Foreman Homes		Dates: 30/01/2025 - 30/01/2025	Logged By JJW

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.20			CONCRETE. [MADE GROUND]
								Dark brown sandy gravelly CLAY. Sand is fine to coarse. Gravel is sub-angular to sub-rounded fine to coarse flint, brick and concrete. [MADE GROUND]
		1.00		N=6 (1,0/1,2,1,2)	1.00			Orangish brown clayey fine to coarse SAND. [WITTERING FORMATION]
								From 1.70m bgl becomes light brown mottled orangeish brown clayey SAND.
		2.00		N=51 (8,10/12,14,14,11)				*From 2.15m bgl becomes more yellow in colour and more silty.*
		3.00		N=68 (11,11/13,16,19,20)	3.00			End of borehole at 3.00 m

Remarks
1. Position scanned with calibrated CAT & 'Genny' prior to excavation. 2. No groundwater encountered.

AGS

OMNIA

Borehole Log

Borehole No.
GW203
Sheet 1 of 1

Project Name: Goodwillies Timber Yard Phase 2	Project No. A12342-1	Co-ords: 467631.00 - 108613.00	Hole Type WS
Location: 154 London Road, Purbrook, Waterlooville, Portsmouth, PO7 5SR		Level:	Scale 1:25
Client: Foreman Homes		Dates: 30/01/2025 - 30/01/2025	Logged By JJW

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.17			CONCRETE. [MADE GROUND]
					0.60			Dark brown silty fine-coarse SAND with occasional rounded to sub-rounded gravel of flint and wood. [MADE GROUND] *Between 0.17m to 2.00m bgl a strong hydrocarbon smell is present.*
		1.00		N=6 (1,2/1,1,2,2)	1.00			Brown clayey sub-angular to sub-rounded fine to coarse GRAVEL of flint with occasional cobbles of flint. [MADE GROUND]
		2.00		N=50 (7,10/12,12,12,14)	2.00			Brownish grey silty fine to coarse SAND with occasional sub-angular to sub-rounded fine to coarse gravel of flint and rare glass. [MADE GROUND] *From 1.20m bgl becomes clayey.* End of borehole at 2.00 m

1
2
3
4
5

Remarks
1. Position scanned with calibrated CAT & 'Genny' prior to excavation. 2. No groundwater encountered. 3. Hydrocarbon smell throughout the borehole.

AGS

OMNIA

Borehole Log

Borehole No.
GW204
Sheet 1 of 1

Project Name: Goodwillies Timber Yard Phase 2	Project No. A12342-1	Co-ords: 467688.00 - 108560.00	Hole Type WS
Location: 154 London Road, Purbrook, Waterlooville, Portsmouth, PO7 5SR		Level:	Scale 1:25
Client: Foreman Homes		Dates: 30/01/2025 - 30/01/2025	Logged By JJW

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.17			CONCRETE. [MADE GROUND]
					0.60			Dark brown slightly silty gravelly fine to coarse SAND. Gravel is sub-angular to sub-rounded fine to coarse flint and brick. [MADE GROUND]
		1.00		N=22 (2,3/3,5,7,7)				Orangeish brown mottled orange slightly clayey slightly gravelly fine to coarse SAND. Gravel is sub-angular to sub-rounded fine to coarse flint and brick. [MADE GROUND]
								Between 1.00m to 1.70m bgl gravel is no longer present.
					1.70			Light brown mottled orangeish brown sandy slightly silty CLAY. Sand is fine to coarse. [WITTERING FORMATION]
		2.00		N=28 (7,8/7,6,8,7)				
					2.10			Yellowish brown mottled orangeish brown slightly silty fine to coarse SAND. [WITTERING FORMATION]
		3.00		N=61 (11,16/15,16,15,15)	3.00			End of borehole at 3.00 m

Remarks
1. Position scanned with calibrated CAT & 'Genny' prior to excavation. 2. No groundwater encountered.

AGS

OMNIA

Borehole Log

Borehole No.
GW205
Sheet 1 of 1

Project Name: Goodwillies Timber Yard Phase 2	Project No. A12342-1	Co-ords: 467656.00 - 108533.00	Hole Type WS
Location: 154 London Road, Purbrook, Waterlooville, Portsmouth, PO7 5SR		Level:	Scale 1:25
Client: Foreman Homes		Dates: 31/01/2025 - 31/01/2025	Logged By JJW

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.60			Vegetation over dark brown and occasionally light grey gravelly silty CLAY. Gravel is sub-angular to sub-rounded fine to coarse flint, brick and weak low density white chalk. [MADE GROUND]
		1.00		N=14 (2,2/3,3,3,5)				Soft orangeish brown mottled light brown very sandy silty CLAY. Sand is fine to coarse. [WITTERING FORMATION]
					1.60			Light yellowish brown silty fine to coarse SAND with rare sub-angular to sub-rounded fine to coarse flint gravel. [WITTERING FORMATION]
		2.00		N=21 (3,3/5,6,5,5)				
		3.00		N=50 (4,7/12,12,13,13)	3.00			End of borehole at 3.00 m

1
2
3
4
5

Remarks
1. Position scanned with calibrated CAT & 'Genny' prior to excavation. 2. No groundwater encountered.

AGS

OMNIA

Borehole Log

Borehole No.
GW206
Sheet 1 of 1

Project Name: Goodwillies Timber Yard Phase 2	Project No. A12342-1	Co-ords: 467727.00 - 108591.00	Hole Type WS
Location: 154 London Road, Purbrook, Waterlooville, Portsmouth, PO7 5SR		Level:	Scale 1:25
Client: Foreman Homes		Dates: 30/01/2025 - 30/01/2025	Logged By JJW

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.12			CONCRETE. [MADE GROUND]
					0.40			Very dark brown slightly silty sandy sub-angular to sub-rounded fine to coarse GRAVEL of flint, brick and concrete with occasional cobbles of concrete and brick. Sand is fine to coarse. [MADE GROUND]
					0.56			Very dark brown slightly silty gravelly fine to coarse SAND. Gravel is sub-angular to sub-rounded fine to coarse flint and brick. [MADE GROUND]
		1.00		N=36 (3,4/5,10,12,9)				Light brown mottled orangeish brown slightly gravelly clayey fine to coarse SAND. Gravel is sub-angular to sub-rounded fine to coarse flint. [WITTERING FORMATION]
					1.16			Light brown mottled orangeish brown slightly silty fine to coarse SAND. [WITTERING FORMATION]
					1.80			Light yellowish brown slightly silty fine and medium SAND. [WITTERING FORMATION]
		2.00		N=52 (12,11/13,13,12,14)	2.00			End of borehole at 2.00 m

1
2
3
4
5

Remarks
1. Position scanned with calibrated CAT & 'Genny' prior to excavation. 2. No groundwater encountered.

AGS

Borehole Log

Borehole No. **GW207**

Sheet 1 of 1

Project Name: Goodwillies Timber Yard Phase 2	Project No. A12342-1	Co-ords: 467650.00 - 108488.00	Hole Type WS
Location: 154 London Road, Purbrook, Waterlooville, Portsmouth, PO7 5SR		Level:	Scale 1:25
Client: Foreman Homes		Dates: 31/01/2025 - 31/01/2025	Logged By JJW

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								Dark brown gravelly sandy CLAY. Sand is fine to coarse. Gravel is sub-angular to sub-rounded fine to coarse flint and brick. [MADE GROUND].
					0.40			Light orangeish brown very sandy CLAY. Sand is fine to coarse. [WITTERING FORMATION]
		1.00		N=16 (4,5/3,5,4,4)	1.10			Light orangish brown slightly clayey fine to coarse SAND. [WITTERING FORMATION]
		2.00		N=45 (6,6/8,11,14,12)				*From 2.70m bgl becomes light grey colour.*
		3.00		N=51 (16,12/14,12,13,12)	3.00			End of borehole at 3.00 m

Remarks

1. Position scanned with calibrated CAT & 'Genny' prior to excavation. 2. No groundwater encountered.

OMNIA

Borehole Log

Borehole No.
GW208
Sheet 1 of 1

Project Name: Goodwillies Timber Yard Phase 2	Project No. A12342-1	Co-ords: 467701.00 - 108512.00	Hole Type WS
Location: 154 London Road, Purbrook, Waterlooville, Portsmouth, PO7 5SR		Level:	Scale 1:25
Client: Foreman Homes		Dates: 31/01/2025 - 31/01/2025	Logged By JJW

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
								Dark brown sandy silty very gravelly CLAY. Sand is fine to coarse. Gravel is sub-angular to sub-rounded fine to coarse flint, brick and concrete. [MADE GROUND]	
					0.70			Orangeish brown slightly gravelly clayey fine to coarse SAND. Gravel is rounded to sub-rounded fine to coarse flint and brick. [MADE GROUND].	
		1.00		N=26 (6,3/5,7,8,6)	1.00			Orangish brown slightly gravelly clayey fine to coarse SAND. Gravel is rounded to sub-rounded fine to coarse flint. [WITTERING FORMATION]	1
					1.52			Light yellowish brown slightly silty fine to coarse SAND [WITTERING FORMATION]	
		2.00		N=41 (7,8/10,11,10,10)					2
					2.53			Very light yellowish grey mottled orangeish brown slightly silty fine to coarse SAND with rare sub-angular to sub-rounded medium and coarse flint gravel. [WITTERING FORMATION]	
		3.00		N=23 (6,9/7,6,5,5)					3
		4.00		N=23 (6,7/6,5,7,5)	4.00			End of borehole at 4.00 m	4
									5

Remarks
1. Position scanned with calibrated CAT & 'Genny' prior to excavation. 2. No groundwater encountered.

AGS

Borehole Log

Borehole No. **GW209**

Sheet 1 of 1

Project Name: Goodwillies Timber Yard Phase 2	Project No. A12342-1	Co-ords: 467746.00 - 108558.00	Hole Type WS
Location: 154 London Road, Purbrook, Waterlooville, Portsmouth, PO7 5SR		Level:	Scale 1:25
Client: Foreman Homes		Dates: 31/01/2025 - 31/01/2025	Logged By JJW

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.18			CONCRETE. [MADE GROUND]
					0.55			Dark brown clayey sandy sub-angular to sub-rounded fine to coarse GRAVEL of flint, brick and concrete. Sand is fine to coarse. [MADE GROUND]
		1.00		N=18 (4,3/5,4,4,5)	1.00			Dark brown silty gravelly fine to coarse SAND. Gravel is sub-angular to sub-rounded fine to coarse flint and brick. [MADE GROUND]
					1.60			Orangeish light brown mottled orangeish brown clayey gravelly fine to coarse SAND. Gravel is sub-angular to sub-rounded fine to coarse brick and flint. [MADE GROUND]
		2.00		N=19 (4,4/4,5,5,5)	2.50			Orangeish brown slightly clayey fine to coarse SAND. [WITTERING FORMATION]
		3.00		N=23 (5,6/6,5,6,6)				Light yellowish brown mottled orangeish brown silty fine to coarse SAND. [WITTERING FORMATION]
		4.00		N=27 (6,7/7,6,7,7)	4.00			End of borehole at 4.00 m

Remarks

1. Position scanned with calibrated CAT & 'Genny' prior to excavation. 2. No groundwater encountered.

Borehole Log

Borehole No. **GW210**

Sheet 1 of 1

Project Name: Goodwillies Timber Yard Phase 2	Project No. A12342-1	Co-ords: 467740.00 - 108489.00	Hole Type WS
Location: 154 London Road, Purbrook, Waterlooville, Portsmouth, PO7 5SR		Level:	Scale 1:25
Client: Foreman Homes		Dates: 31/01/2025 - 31/01/2025	Logged By JJW

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								Brown sandy silty very gravelly CLAY with rare sub-angular to sub-rounded cobbles of flint and brick. Sand is fine to coarse. Gravel is sub-angular to sub-rounded fine to coarse flint and brick. [MADE GROUND]
		1.00		N=11 (2,2/3,3,2,3)	1.00			Light brown mottled orangeish brown clayey fine to coarse SAND [WITTERING FORMATION]
					1.80			Orangeish brown slightly clayey silty fine to coarse SAND. [WITTERING FORMATION]
		2.00		N=50 (8,9/12,11,15,12)	2.00			End of borehole at 2.00 m

Remarks

1. Position scanned with calibrated CAT & 'Genny' prior to excavation. 2. No groundwater encountered.