

WATER NEUTRALITY STATEMENT FOR PENFOLD VERRALL, THE HAULAGE YARD, DIAL POST, HORSHAM, WEST SUSSEX, RH13 8NY.

Planning Reference: TBD

H2Ogeo Reference: 20230920P1

Date: 18 December 2023

Version: FINAL v1.1

<i>Author</i>	<i>Date</i>	<i>Issued</i>
David Walker	23 November 2023	DRAFT v0.1
David Walker	11 December 2023	FINAL v1.0
David Walker	18 December 2023	FINAL v1.1

H2Ogeo

Hydrogeology & Environmental Consultancy

Tel: 07787 231455

Email: info@h2ogeo.co.uk

www: www.h2ogeo.co.uk

Statement of Limitations

The report will be prepared in accordance with the scope of work outlined within this proposal and is subject to the applicable cost, time and other constraints. It has been prepared for the sole use of the Client and H2Ogeo accepts no liability as a result of the use or reliance of this report by any other parties.

The advice and opinions in the report should be read and relied on only in the context of the report as a whole. As with any environmental appraisal or investigation, the conclusions and observations are based on limited data. The risk of undiscovered environmental impairment of the site cannot be ruled out. H2Ogeo cannot therefore warrant the actual conditions or LPA responses for the site and advice given is limited to those conditions for which information is held by H2Ogeo at the time. The findings are based on the information made available to H2Ogeo at the date of the report and will have been assumed to be correct.

This report will be provided to the Client and should they wish to release this report to any other third party for that party's reliance, H2Ogeo accepts no responsibility to any third party to whom this report or any part thereof is made known. H2Ogeo accepts no responsibility for any loss or damage incurred as a result, and the third party does not acquire any rights whatsoever, contractual or otherwise, against H2Ogeo except as expressly agreed with H2Ogeo in writing.

The findings will not purport to include any manner of legal advice or opinion. New information or changes in conditions and regulatory requirements may occur in future, which may change the conclusions presented.

H2Ogeo will perform the services on behalf of the Client in a manner consistent with the normal level of care and expertise exercised by members of the environmental profession. No warranties, expressed or implied, are made. Except as otherwise stated, H2Ogeo's assessment is limited strictly to the scope of work outlined in the Scope of Work section and does not evaluate structural or geotechnical conditions of any part of the Site (including any buildings, equipment or infrastructure) or outside the Site boundary.

All conclusions and recommendations made in the report are the professional opinions of H2Ogeo personnel involved with the project and, while normal checking of the accuracy of data has been conducted, H2Ogeo assumes no responsibility or liability for errors in data obtained from external sources, regulatory agencies or any other external sources, nor from occurrences outside the scope of this project.

H2Ogeo is not engaged in environmental consulting and reporting for the purpose of advertising, sales promoting, or endorsement of any client interests, including raising investment capital, recommending investment decisions, or other publicity or investment purposes.

This report has been prepared for the sole use of Client. The report may not be relied upon by any other party without the express written agreement of H2Ogeo. The provision of a copy of this report to any third party is provided for informational purposes only and any reliance on this report by a third party is done so at their own risk and H2Ogeo disclaim all liability to such third party to the extent permitted by law.

Any use of this report by a third party is deemed to constitute acceptance of this limitation.

This report does not constitute legal advice.

Contents

Statement of Limitations	1
Executive Summary	3
1 Introduction	4
1.1 Sussex North Water Resource Zone (WRZ)	4
1.2 Background	4
1.3 Scope of Work	4
2 Site Location and Setting	6
2.1 Existing Site	6
2.2 Proposed Development	6
3 Baseline Calculations	7
3.1 Existing Demand	7
3.2 Proposed Demand	7
4 Water Neutrality Mitigation	9
4.1 Rainwater Harvesting	9
4.2 Water Recycling	9
4.3 Storage	9
5 Conclusion	10
6 Figures	11
Figure 1 Hardham WRZ	12
Figure 2 Site Location	13
Figure 3 Hydrometric Catchment	14
7 Annexes	15
Annex A – Planning Drawings	16
Annex B – Water Bills	20
Table 1 Summary of Water Consumption	7
Table 2 Breakdown of Mains Water Consumption	7
Table 3 Summary of Water Neutrality	10

Executive Summary

H2Ogeo provided this Water Neutrality Statement to accompany a planning application for the installation of high-tech wash plant equipment within the existing licenced yard at the Penfold Verrall reclamation yard in Dial Post, West Sussex.

The Water Neutrality Statement demonstrates that the proposed development, through mitigation, will not increase the rate of water abstraction above existing levels in the Arun Valley. The existing baseline mains water consumption for the site is 1686 Litres/Day. This will increase to up to 8788 Litres/Day following installation and operation of the proposed wash plant.

By harvesting roof water and runoff from the northern portion of the site, it will be feasible to provide the 7102 Litres/Day for operating the new plant with a deficit of 843 Litres/Day.

The proposed 50,000 Litre storage tank on site will provide between seven and eight days operational storage.

<i>Existing Consumption (L/D)</i>	<i>Proposed Consumption (L/D)</i>	<i>Combined Mains Water Consumption (L/D)</i>	<i>Mitigation Water (L/D)</i>	<i>Deficit = Mitigation - Proposed (L/D)</i>	<i>Mitigation Achieved</i>
1686	7102	8788	7945	843	TRUE

Based on the findings of this Water Neutrality Statement the proposed development will not contribute to an existing adverse effect upon the integrity of the internationally designated Arun Valley Special Area of Conservation, Special Protection Area and Ramsar sites by way of increased water abstraction.

1 Introduction

Natural England cannot, with certainty, conclude that the Sussex North Water Supply Zone, that includes supplies from a groundwater abstraction, is not having an adverse effect on the integrity of:

- Arun Valley Special Area Conservation (SAC);
- Arun Valley Special Protection Area (SPA); and
- Arun Valley Ramsar Site.

As it cannot be concluded that the existing abstraction within Sussex North Water Supply Zone is not having an impact on the Arun Valley site, Natural England have advised that developments within this zone must not add to this impact.

West Sussex County Council have requested a Water Neutrality Statement is provided to accompany planning applications to demonstrate that the proposed development does not increase the rate of water abstraction for drinking water supplies above existing levels.

1.1 Sussex North Water Resource Zone (WRZ)

Southern Water supplies water to Crawley Borough, Horsham District, the northern part of Chichester District, southern Waverley and the South Downs National Park from its Sussex North Water Resource Zone (WRZ).

Within the WRZ there are a number of water sources, one of which is the groundwater abstraction from the Hardham source, one of a number of groundwater and surface water abstractions around Pulborough¹ presented in Figure 1 along with the boundary of the Sussex North WRZ

The Hardham Groundwater abstraction is located approximately 12km west of the site.

1.2 Background

Penfold Verrall wish to install a wash plant on their site at Dial Post, as part of this variation a planning application will be submitted. The planning application is for the installation of a high-tech wash plant within the existing licensed yard at the reclamation yard.

The yard has operated the same treatment of Construction, Demolition and Excavation Waste (CDEW) for years utilising crushing machines and separators. It is necessary to upgrade the existing process as the recycling rate reportedly drops from 65% in the Summer to less than 40% in Autumn and Winter in the wetter seasons.

By installing the new wash plant it is anticipated that it will be possible to recycle up to 80% of mixed soils on site all year round.

1.3 Scope of Work

H2Ogeo was contacted by the Client and requested to provide a proposal to deliver a Water Neutrality Statement to support the proposed planning application to be submitted to West Sussex County Council.

The Water Neutrality Statement aims to demonstrate that the proposed development will not contribute to an existing adverse effect upon the integrity of the internationally designated Arun Valley Special Area of Conservation, Special Protection Area and Ramsar sites by way of increased water abstraction.

¹ https://www.horsham.gov.uk/_data/assets/pdf_file/0019/104482/EYP-JBAU-XX-XX-RP-EN-0001-A1-C03-Water_Neutrality_Assessment_Part_A.pdf

The proposal was accepted and the Water Neutrality Statement is presented in this report.

A Statement of Limitations is presented at the start of this report.

2 Site Location and Setting

The Penfold Verrall site is located in Dial Post in West Sussex east off the A24 approximately 6.5km north east of Washington.

The proposed development is centred on National Grid Reference: TQ15931 18457 (Easting: 515931, Northing: 118457) and presented in Figure 2.

The site is located in the Adur (Knepp) water body catchment area, part of the Adur Upper Operational Catchment. The hydrometric catchment area is presented in Figure 3.

2.1 Existing Site

The existing site was granted permission in 2016 and consists of an inert recycling facility that reduces the amount of waste materials that need to be disposed of at landfill sites in Sussex.

The site operates under Environment Agency Permit EPR/EB3105FJ and is permitted to treat waste on site to produce soil, soil substitutes and aggregate.

The existing processing facility comprises a powerscreen, crusher and hardstanding areas for stockpiles. The facility is currently served by wheeled loaders and an excavator. It adjoins the haulage yard facility and is situated in the southern portion.

The site is surrounded on the eastern, southern and western boundaries by an earth bund. There is a narrow strip of trees and shrubs separating the site from the access road in the north.

There are office buildings on site and a maintenance shed for vehicles. Within the offices and maintenance shed are welfare facilities including kitchenettes, WCs and a mess room.

The existing site layout is presented in Annex A.

2.2 Proposed Development

The proposed development is for the installation and operation of a new wash plant at the existing waste transfer and recycling facility.

Drawing No: 22-12-02, presented in Annex A, shows the layout and describes the various processes involved in the new proposed wash plant, these are summarised below:

- Screener and Feed Hopper Loading;
- Pre-Wash and Sand/Silt Divider
- Hydrocyclone;
- Log washer;
- Trash and Finishing Screen;
- Water Management and Desilting Operation; and
- Filter Press, Wate Recycling and Pliable Cake Release.

At the end of the proposed CDEW treatment the final slurry mix is pressed to remove water content with the resultant 'slurry cakes' also destined for re-cyclable uses.

In terms of the overall proposed yard adaptation the installation does not require any site enlargement nor does it create throughput capacities beyond the existing approved limits.

3 Baseline Calculations

This section outlines the baseline water consumption for the existing site.

3.1 Existing Demand

The existing mains water demand on site has been calculated by assessing the water bills presented in Annex B.

The table below summarises the mains water consumption between March 2021 and February 2023:

Table 1 Summary of Water Consumption

From	To	Days	m3 Billed	Litres/Day (average)
22/03/2021	23/03/2022	623	366	1702
23/03/2022	07/09/2022	283	168	1685
07/09/2022	27/02/2023	289	173	1671
			Maximum	1702
			Minimum	1671
			Average	1686

The average mains water consumption for the site over this billed period is 1686 Litres/Day with a maximum of 1702 Litres/Day in 2021/2022.

There is a quick-fill tank for the road sweeper at the rear of the workshop, this holds 2500 litres of mains water. The sweeper itself requires 1500 litres of water each fill. Average fill rates have been provided by the Client at seven times a week as the sweeper is not operational every day and not always filled up on site.

Seven times a week equates to 10.5m³/Week or when pro-rated 1496 Litres/Day.

The Client has informed H2Ogeo that there are approximately 60 staff members, 40 of which are on site during the day, with the rest out on site elsewhere or driving.

Due to the complexities of the staffing structure, i.e. drivers, office workers as well as staff on site, the daily consumption has been evaluated by reporting separately the daily sweeper volumes from the overall site daily average consumption:

The table below outlines the breakdown of existing mains water consumption per day on site.

Table 2 Breakdown of Mains Water Consumption

Activity	No'	Litres/Day	Comments
Full Time Employees on Site	40	190	Calculated by average daily consumption minus the road sweeper average consumption
Road Sweeper	1	1496	Road sweeper average assuming 1.5m ³ /fill seven times per week
Total Average		1686	

3.2 Proposed Demand

The mains water demand for the wash plant is presented in the table below and can be summarised as follows:

- The initial fill volume of the wash plant is 350,000 Litres;
- The daily requirement for mains water is 6000 Litres/Day used for dosing flocculant in the dirty water tank; and
- 10, 000 Litres/Week for the wash down system that is used to flush the press (10,000 Litres/Week or 143 Litres/Day).

Using the figures provided above, the daily water requirement for the plant is 7102 Litres/Day, including the initial fill volume and, 6143 Litres/Day, excluding the initial fill volume.

These daily volumes are in addition to the existing average consumption of 1686 Litres/Day therefore the maximum daily mains water consumption, including the initial fill, at the site will be 8788 Litres/Day.

The site will require mitigation to achieve water neutrality.

4 Water Neutrality Mitigation

To achieve water neutrality there are three proposed mitigation schemes, these are:

- Rainwater harvesting;
- Water recycling; and
- Storage.

4.1 Rainwater Harvesting

The site has a high potential to collect rainfall and store it on site.

There are several roof areas that are currently not collected and there is the capacity for tanks to collect surface water runoff and put it into the wash plant system.

The rainwater harvesting potential has been calculated as follows:

$$\text{Surface Area} \times \text{Standard Average Annual Rainfall} = \text{m}^3/\text{year}$$

The area to be used for rainwater harvesting and capture of surface water runoff is in the north of the site consisting of the workshop roof, lorry parking area, office roofs and hard standing area.

This area is presented in Annex A and covers an area of = 3,580m².

The Standard Average Annual Rainfall (SAAR) is 810mm/year² therefore the total potential volume of rainwater collection is 2,900m³/year, this equates to 7,945 Litres/Day.

4.2 Water Recycling

All water from the wash plant area will be recycled back into the washing cycle achieving 98% efficiency, 2% loss occurs through evaporation and environmental factors.

4.3 Storage

The existing site drainage is via a network of Aco Drains discharging via settlement tanks to a drainage ditch west of the site.

The existing site layout and drainage is presented in Annex A.

The proposed development has a 15,000 Litre storage fresh water tank, this will be upgraded to a 50,000 Litre storage tank. Water from the drainage system will pass via the existing settlement tanks in the north west of the site and discharge into the new tank for use in the process.

The 50m³ tank will provide water storage during dry periods for between seven and eight days operation.

² [Greenfield runoff rate estimation - members | UK SuDS](#)

5 Conclusion

The existing mains water consumption for the site is 1686 Litres/Day. The proposed new wash plant will increase the potential demand to a maximum of 7102 Litres/Day dropping to 6143 Litres/day once the initial fill is complete.

The wash plant has a water efficiency of 98% and therefore will only require up to 6143 Litres/Day including flocculant dosing water (6000 Litres/Day) and water for the wash down system that is used to flush the press (10,000 Litres/Week or 143 Litres/Day).

Mitigation has been proposed through harvesting rainwater from existing buildings and surface runoff that currently discharges to a nearby drainage ditch. There will be no impact of surface water contributions to the Arun Valley as the site is present in the Adur Upper Operational Catchment.

The table below summarises the water consumption as existing and proposed and the positive effect of mitigation:

Table 3 Summary of Water Neutrality

Existing Consumption (L/D)	Proposed Consumption (L/D)	Combined Mains Water Consumption (L/D)	Mitigation Water (L/D)	Deficit = Proposed – Mitigation (L/D)	Mitigation Achieved
1686	7102	8788	7945	843	TRUE

By providing a supply of water from rainwater harvesting it is feasible to offset the additional demand.

Based on the findings of this Water Neutrality Statement, the proposed development will not contribute to an existing adverse effect upon the integrity of the internationally designated Arun Valley Special Area of Conservation, Special Protection Area and Ramsar sites by way of increased water abstraction.

6 Figures

Figure 1 Hardham WRZ

Figure 2 Site Location

Figure 3 Hydrometric Catchment

Figure 1 Hardham WRZ



Figure 2 Site Location

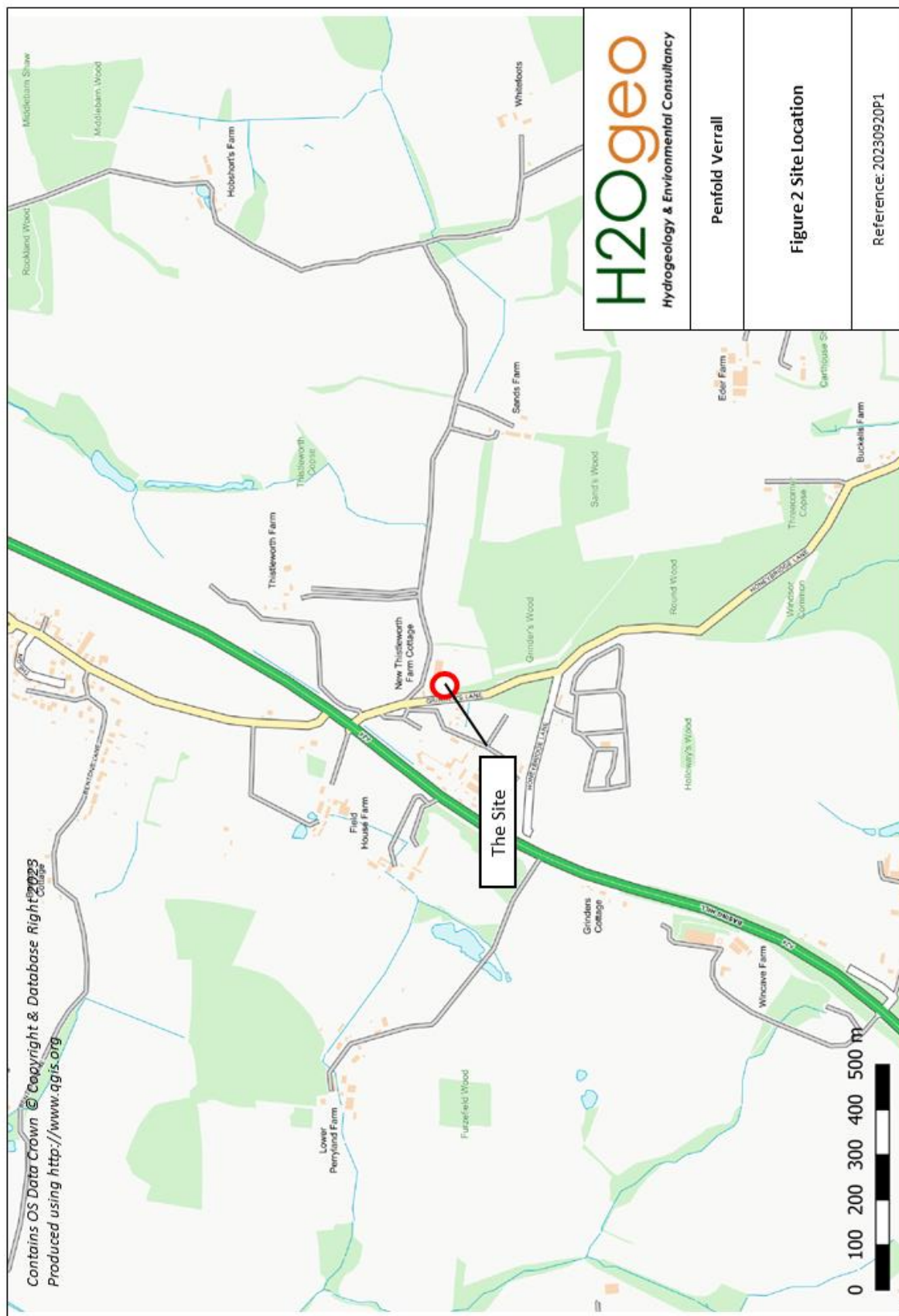
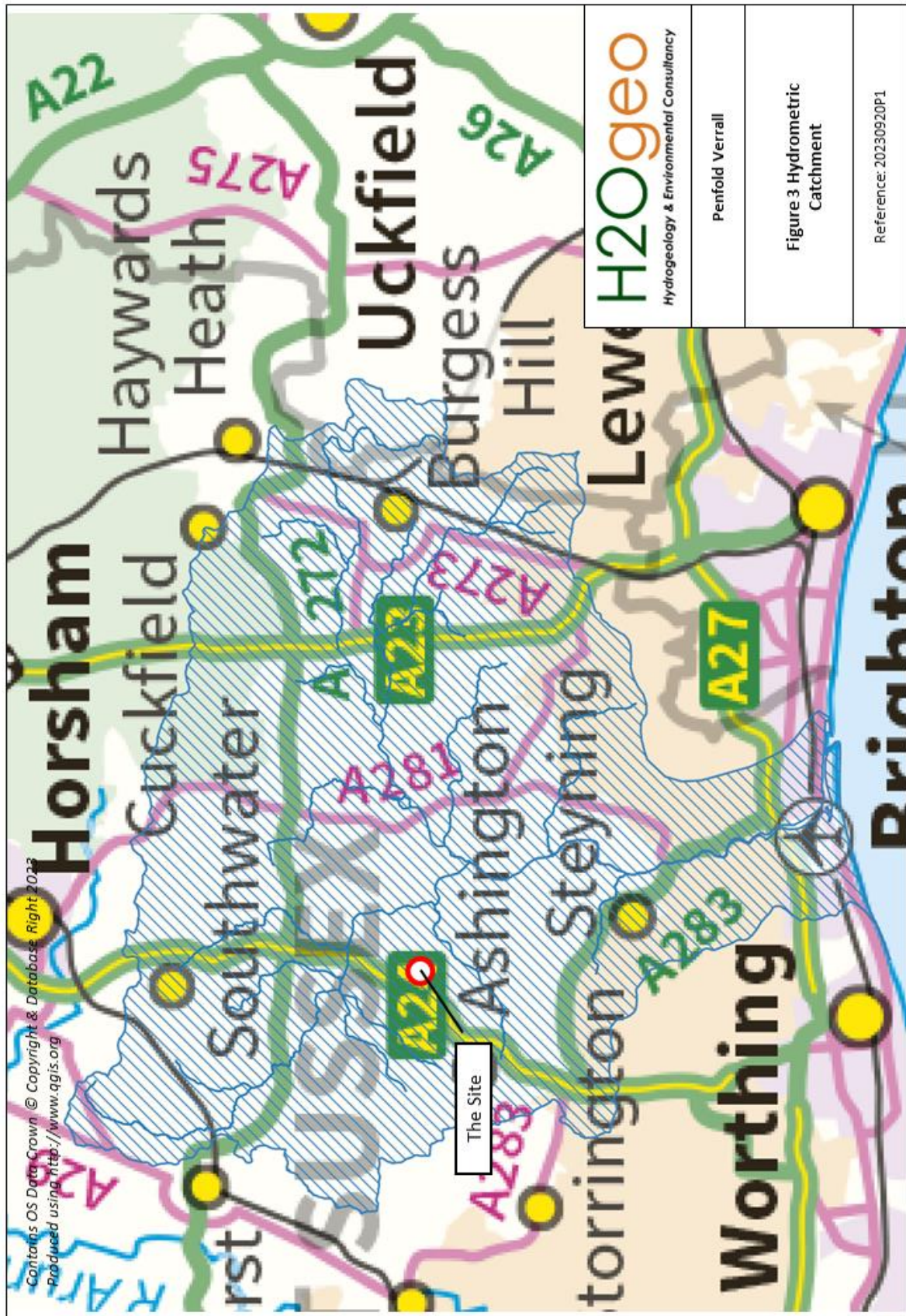


Figure 3 Hydrometric Catchment

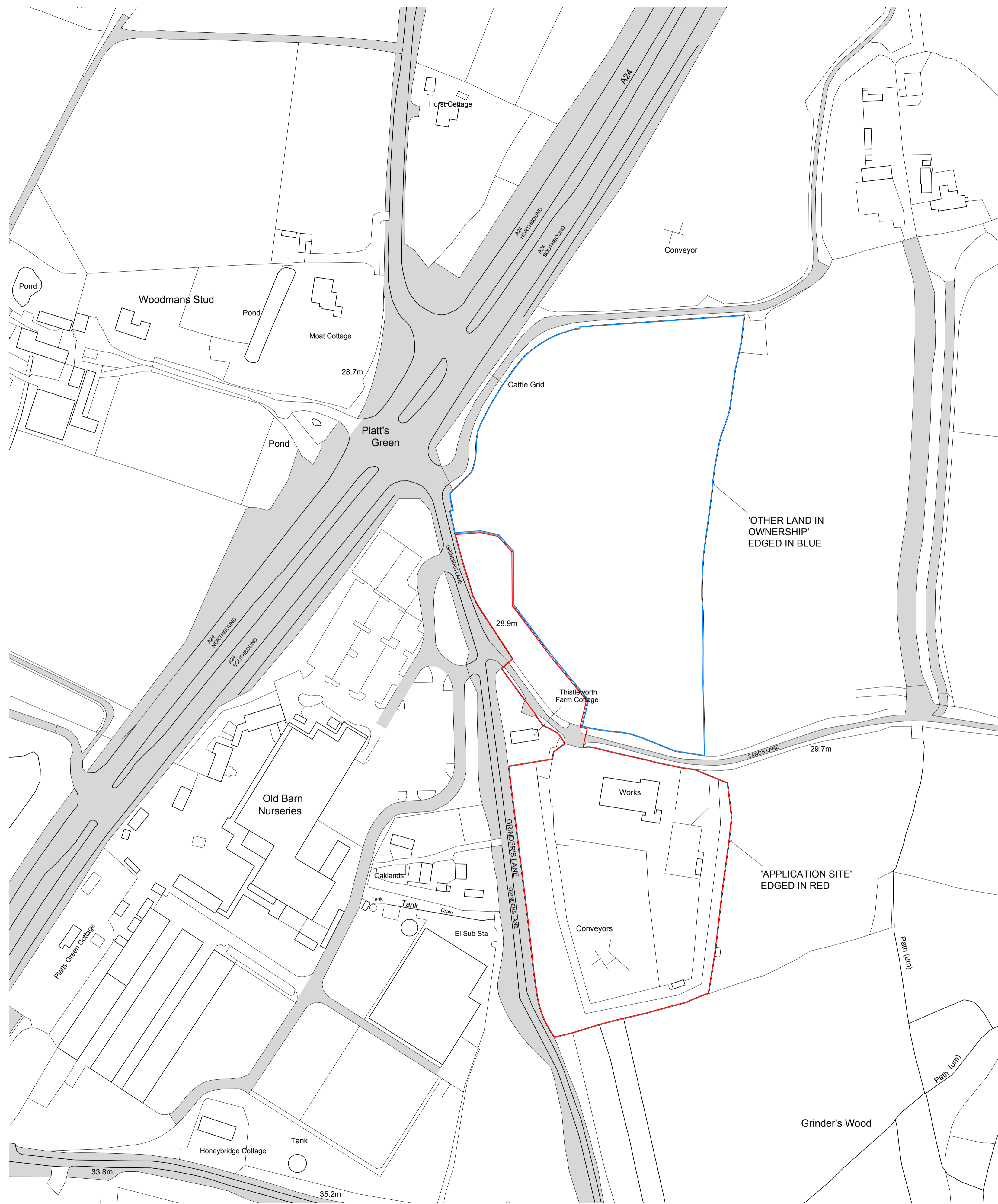


7 Annexes

Annex A - Drawings

Annex B – Water Bills

Annex A – Planning Drawings



Ordnance Survey, (c) Crown Copyright 2020. All rights reserved. Licence number 100022432

Notes

All dimensions must be checked on site and not scaled from this drawing.
 If in doubt please ask.
 This drawing to be read in conjunction with all engineers and consultants drawings and specifications etc.

Revisions	Date	
A	RED LINE ALTERED	24-09-2023

Project
PENFOLD VERRALL LTD
 THE HAULAGE YARD, DIAL POST
 WEST SUSSEX RH13 8NY

Drawing Title
LOCATION PLAN

Client
PENFOLD VERRALL LTD.

© copyright of
DOUGLAS J. P. EDWARDS
 Chartered Building Surveyors
 employing
 Chartered Architects & Surveyors
 Tel: 01403 740034
 Email: info@douglasjpedwards.co.uk

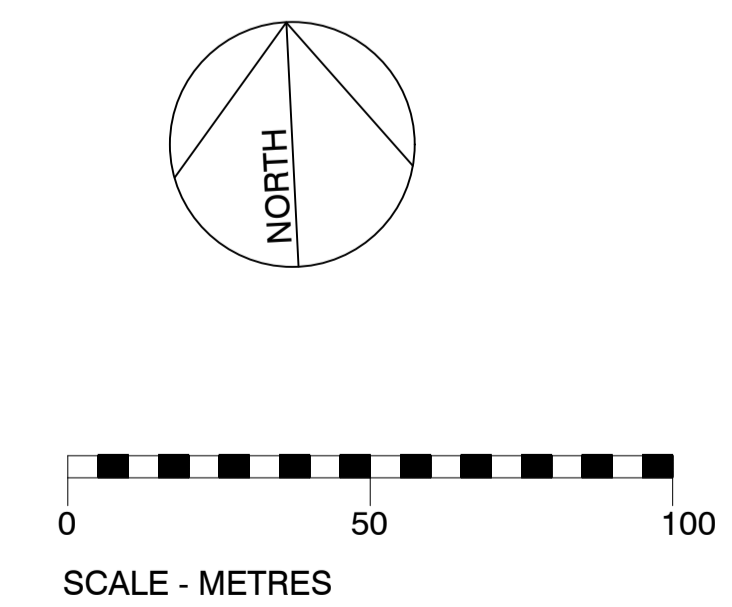
Scale
 1:1250@A1 SHEET

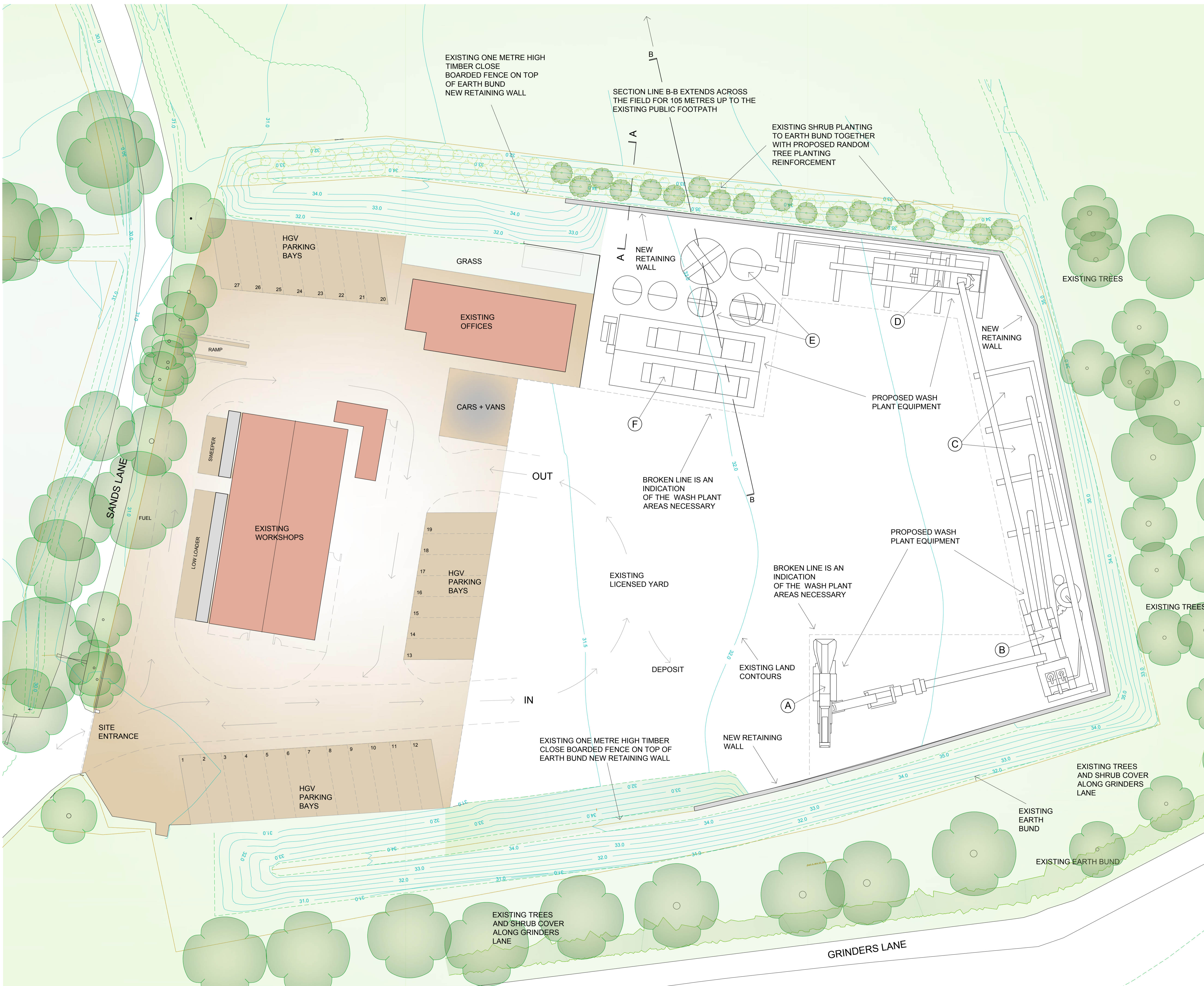
Date
 May 2023

Drawn
 dkt

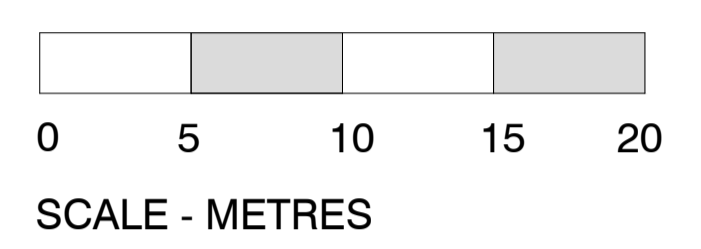
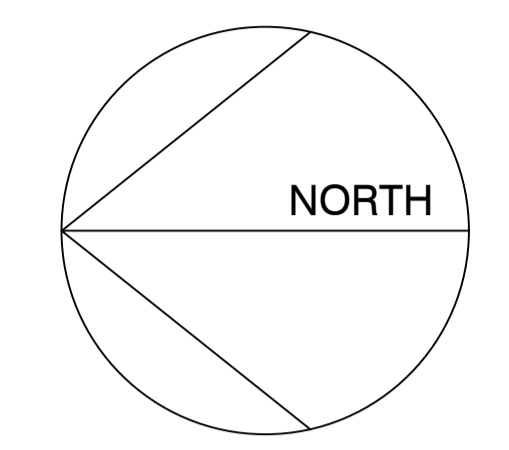
Drg. No
22-12-01

Rev.
A





Notes
 All dimensions must be checked on site and not scaled from this drawing.
 If in doubt please ask.
 This drawing to be read in conjunction with all engineers and consultants drawings and specifications etc.



- LEGEND**
- (A) SCREENER AND FEED HOPPER LOADING
 - (B) PRE-WASH AND SAND / SILT WASH DIVIDER
 - (C) AGGREGATE STOCKPILING
 - (D) LOG WASH, STONE / SOIL AND SILT SEPARATOR
 - (E) WATER MANAGEMENT AND DE-SILTING OPERATION
 - (F) FILTER PRESS - WATER RECYCLED AND PLIABLE CAKE RELEASE

Revisions	Date

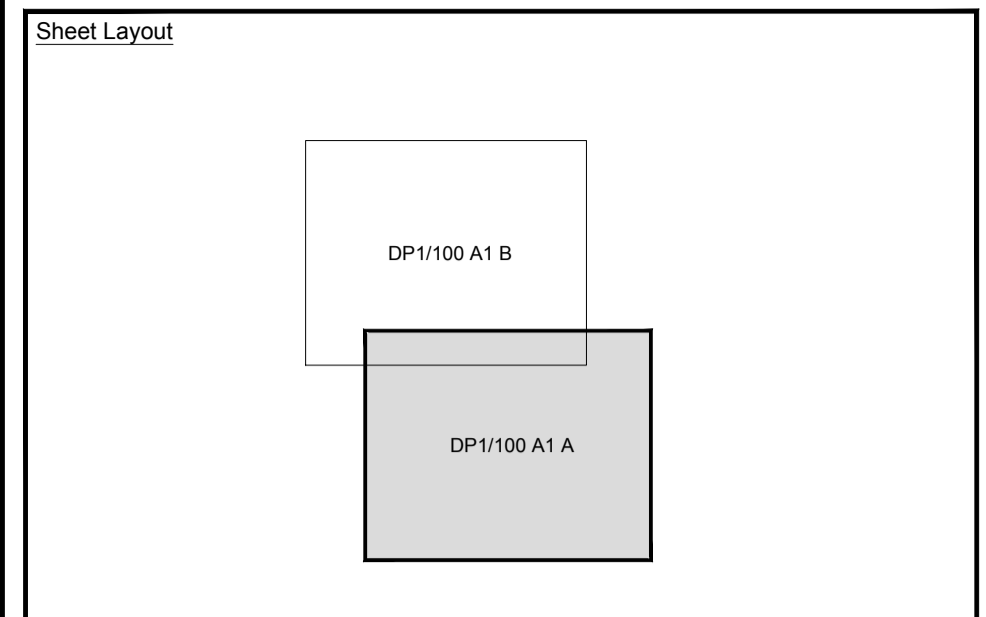
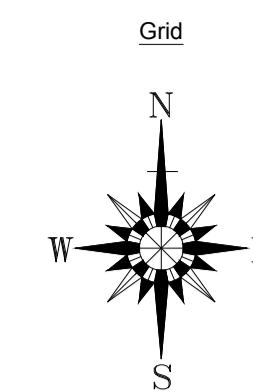
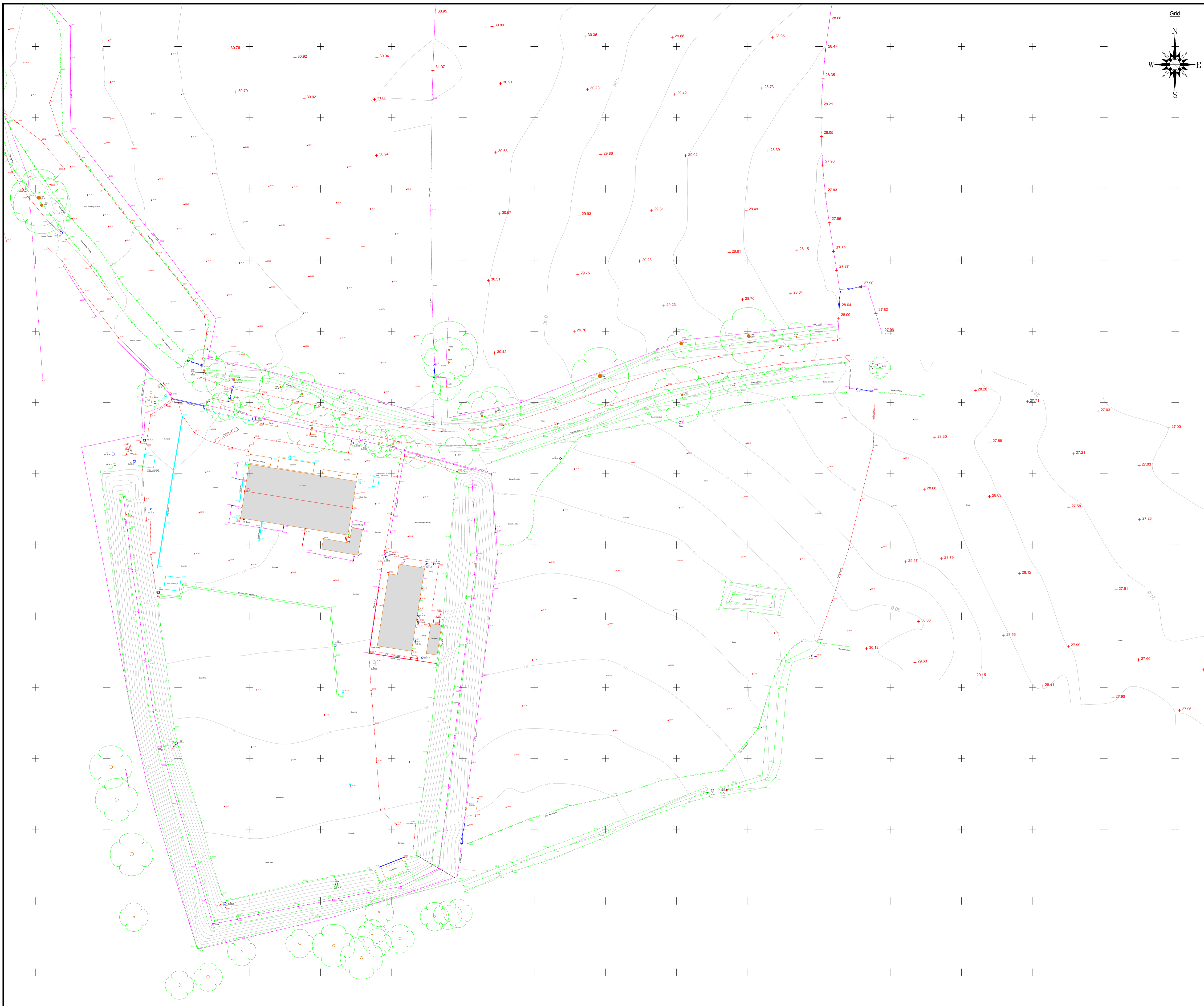
Project
PENFOLD VERRALL LTD
 THE HAULAGE YARD, DIAL POST
 WEST SUSSEX RH13 8NY

Drawing Title
PROPOSED SITE PLAN

Client
PENFOLD VERRALL LTD.

© copyright of
DOUGLAS J. P. EDWARDS
 Chartered Building Surveyors
 employing
 Chartered Architects & Surveyors
 Tel: 01403 740034
 Email: info@douglasjpedwards.co.uk

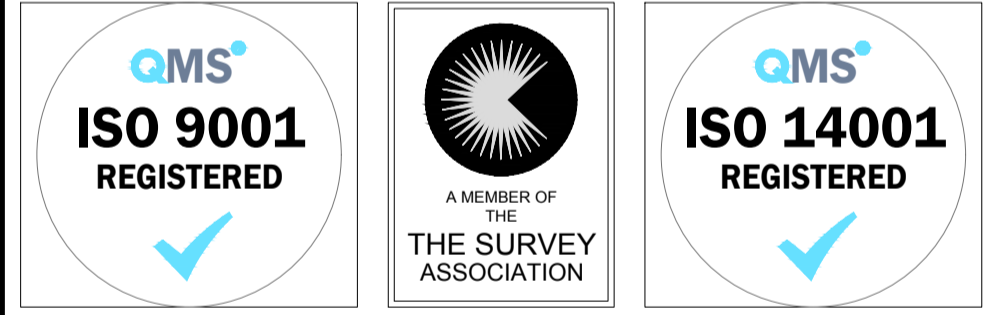
Scale	1:250@A1 SHEET	
Date	May 2023	Drawn dkt
Dwg. No	22-12-02	Rev.



LEGEND

BANKING		WALL																																																																																																																																								
BUSHES & HEDGES		BUILDING																																																																																																																																								
TREES		OPEN SIDED BUILDING																																																																																																																																								
GATES		GLASS ROOFED																																																																																																																																								
<p>ABBREVIATIONS (WHERE APPLICABLE)</p> <table border="0"> <tr> <td>ARCH HEAD HEIGHT</td> <td>AHH</td> <td>MARKER</td> <td>MKR</td> </tr> <tr> <td>ARCH HEAD LEVEL</td> <td>AHL</td> <td>MONITORING WELL</td> <td>MW</td> </tr> <tr> <td>ARCH SPRINGER HEIGHT</td> <td>ASH</td> <td>NOTICE BOARD</td> <td>NB</td> </tr> <tr> <td>ARCH SPRINGER LEVEL</td> <td>ASL</td> <td>NAME PLATE</td> <td>NP</td> </tr> <tr> <td>AIR VALVE</td> <td>AV</td> <td>OVERHEAD WIRES</td> <td>OHW</td> </tr> <tr> <td>BED LEVEL</td> <td>BL</td> <td>PARKING METER</td> <td>PM</td> </tr> <tr> <td>BELISHA BEACON</td> <td>BB</td> <td>ROOF LEVEL</td> <td>RL</td> </tr> <tr> <td>BOLLARD</td> <td>B</td> <td>ROOF LEVEL</td> <td>RL</td> </tr> <tr> <td>BRITISH TELECOM BOX</td> <td>BTB</td> <td>ROAD SIGN</td> <td>RS</td> </tr> <tr> <td>BRITISH TELECOM MANHOLE</td> <td>BTMH</td> <td>RODDING EYE</td> <td>RE</td> </tr> <tr> <td>BRICKWORK</td> <td>BW</td> <td>RETAINING WALL</td> <td>RTW</td> </tr> <tr> <td>BUS STOP</td> <td>BS</td> <td>RAIN WATER PIPE</td> <td>RWP</td> </tr> <tr> <td>CABLE TV</td> <td>CATV</td> <td>SLUICE VALVE</td> <td>SV</td> </tr> <tr> <td>COVER LEVEL</td> <td>CL</td> <td>STOP COCK</td> <td>SC</td> </tr> <tr> <td>CABLE MARKER</td> <td>CM</td> <td>SOFFIT LEVEL</td> <td>SCF</td> </tr> <tr> <td>COLUMN</td> <td>Col</td> <td>STRUCTURAL SLAB LEVEL</td> <td>SSL</td> </tr> <tr> <td>CONCRETE POST</td> <td>CP</td> <td>TREE STUMP</td> <td>ST</td> </tr> <tr> <td>EAWS LEVEL</td> <td>EAW</td> <td>SOIL AND VENT PIPE</td> <td>SVP</td> </tr> <tr> <td>ELECTRICAL COVER</td> <td>ELEC</td> <td>THRESHOLD LEVEL</td> <td>THL</td> </tr> <tr> <td>ELECTRICITY CONTROL BOX</td> <td>ECB</td> <td>TELEGRAPH POLE</td> <td>TP</td> </tr> <tr> <td>ELECTRICITY POLE</td> <td>EP</td> <td>TELEPHONE CALL BOX</td> <td>TCB</td> </tr> <tr> <td>EARTH ROD</td> <td>ER</td> <td>TOP OF KERB</td> <td>TK</td> </tr> <tr> <td>FLOWER BED</td> <td>FB</td> <td>TURNSTILE</td> <td>TS</td> </tr> <tr> <td>FINISHED FLOOR LEVEL</td> <td>FFL</td> <td>TRAFFIC LIGHT</td> <td>TL</td> </tr> <tr> <td>FIRE HYDRANT</td> <td>FH</td> <td>TOP OF WALL</td> <td>TW</td> </tr> <tr> <td>FLOOR LEVEL</td> <td>FL</td> <td>UNABLE TO LIFT</td> <td>UTL</td> </tr> <tr> <td>FLAG STAFF</td> <td>FS</td> <td>UNABLE TO SURVEY</td> <td>UTS</td> </tr> <tr> <td>GAS PIPE</td> <td>GP</td> <td>VENT PIPE</td> <td>VP</td> </tr> <tr> <td>GAS VALVE</td> <td>GV</td> <td>WATER METER</td> <td>WM</td> </tr> <tr> <td>GULLY</td> <td>G</td> <td>WATER LEVEL</td> <td>WL</td> </tr> <tr> <td>GATE STOP</td> <td>GS</td> <td>WASH OUT</td> <td>WO</td> </tr> <tr> <td>INSPECTION COVER</td> <td>IC</td> <td>WASTE PIPE</td> <td>WP</td> </tr> <tr> <td>INVERT LEVEL</td> <td>IL</td> <td>WATER TANK</td> <td>WT</td> </tr> <tr> <td>LAMP POST</td> <td>LP</td> <td>WATER VALVE</td> <td>WV</td> </tr> </table>		ARCH HEAD HEIGHT	AHH	MARKER	MKR	ARCH HEAD LEVEL	AHL	MONITORING WELL	MW	ARCH SPRINGER HEIGHT	ASH	NOTICE BOARD	NB	ARCH SPRINGER LEVEL	ASL	NAME PLATE	NP	AIR VALVE	AV	OVERHEAD WIRES	OHW	BED LEVEL	BL	PARKING METER	PM	BELISHA BEACON	BB	ROOF LEVEL	RL	BOLLARD	B	ROOF LEVEL	RL	BRITISH TELECOM BOX	BTB	ROAD SIGN	RS	BRITISH TELECOM MANHOLE	BTMH	RODDING EYE	RE	BRICKWORK	BW	RETAINING WALL	RTW	BUS STOP	BS	RAIN WATER PIPE	RWP	CABLE TV	CATV	SLUICE VALVE	SV	COVER LEVEL	CL	STOP COCK	SC	CABLE MARKER	CM	SOFFIT LEVEL	SCF	COLUMN	Col	STRUCTURAL SLAB LEVEL	SSL	CONCRETE POST	CP	TREE STUMP	ST	EAWS LEVEL	EAW	SOIL AND VENT PIPE	SVP	ELECTRICAL COVER	ELEC	THRESHOLD LEVEL	THL	ELECTRICITY CONTROL BOX	ECB	TELEGRAPH POLE	TP	ELECTRICITY POLE	EP	TELEPHONE CALL BOX	TCB	EARTH ROD	ER	TOP OF KERB	TK	FLOWER BED	FB	TURNSTILE	TS	FINISHED FLOOR LEVEL	FFL	TRAFFIC LIGHT	TL	FIRE HYDRANT	FH	TOP OF WALL	TW	FLOOR LEVEL	FL	UNABLE TO LIFT	UTL	FLAG STAFF	FS	UNABLE TO SURVEY	UTS	GAS PIPE	GP	VENT PIPE	VP	GAS VALVE	GV	WATER METER	WM	GULLY	G	WATER LEVEL	WL	GATE STOP	GS	WASH OUT	WO	INSPECTION COVER	IC	WASTE PIPE	WP	INVERT LEVEL	IL	WATER TANK	WT	LAMP POST	LP	WATER VALVE	WV	<p>CONTOURS</p>
ARCH HEAD HEIGHT	AHH	MARKER	MKR																																																																																																																																							
ARCH HEAD LEVEL	AHL	MONITORING WELL	MW																																																																																																																																							
ARCH SPRINGER HEIGHT	ASH	NOTICE BOARD	NB																																																																																																																																							
ARCH SPRINGER LEVEL	ASL	NAME PLATE	NP																																																																																																																																							
AIR VALVE	AV	OVERHEAD WIRES	OHW																																																																																																																																							
BED LEVEL	BL	PARKING METER	PM																																																																																																																																							
BELISHA BEACON	BB	ROOF LEVEL	RL																																																																																																																																							
BOLLARD	B	ROOF LEVEL	RL																																																																																																																																							
BRITISH TELECOM BOX	BTB	ROAD SIGN	RS																																																																																																																																							
BRITISH TELECOM MANHOLE	BTMH	RODDING EYE	RE																																																																																																																																							
BRICKWORK	BW	RETAINING WALL	RTW																																																																																																																																							
BUS STOP	BS	RAIN WATER PIPE	RWP																																																																																																																																							
CABLE TV	CATV	SLUICE VALVE	SV																																																																																																																																							
COVER LEVEL	CL	STOP COCK	SC																																																																																																																																							
CABLE MARKER	CM	SOFFIT LEVEL	SCF																																																																																																																																							
COLUMN	Col	STRUCTURAL SLAB LEVEL	SSL																																																																																																																																							
CONCRETE POST	CP	TREE STUMP	ST																																																																																																																																							
EAWS LEVEL	EAW	SOIL AND VENT PIPE	SVP																																																																																																																																							
ELECTRICAL COVER	ELEC	THRESHOLD LEVEL	THL																																																																																																																																							
ELECTRICITY CONTROL BOX	ECB	TELEGRAPH POLE	TP																																																																																																																																							
ELECTRICITY POLE	EP	TELEPHONE CALL BOX	TCB																																																																																																																																							
EARTH ROD	ER	TOP OF KERB	TK																																																																																																																																							
FLOWER BED	FB	TURNSTILE	TS																																																																																																																																							
FINISHED FLOOR LEVEL	FFL	TRAFFIC LIGHT	TL																																																																																																																																							
FIRE HYDRANT	FH	TOP OF WALL	TW																																																																																																																																							
FLOOR LEVEL	FL	UNABLE TO LIFT	UTL																																																																																																																																							
FLAG STAFF	FS	UNABLE TO SURVEY	UTS																																																																																																																																							
GAS PIPE	GP	VENT PIPE	VP																																																																																																																																							
GAS VALVE	GV	WATER METER	WM																																																																																																																																							
GULLY	G	WATER LEVEL	WL																																																																																																																																							
GATE STOP	GS	WASH OUT	WO																																																																																																																																							
INSPECTION COVER	IC	WASTE PIPE	WP																																																																																																																																							
INVERT LEVEL	IL	WATER TANK	WT																																																																																																																																							
LAMP POST	LP	WATER VALVE	WV																																																																																																																																							
<p>FENCES</p> <table border="0"> <tr> <td>BARBED WIRE FENCE</td> <td>BWF</td> <td>LARCH LAP FENCE</td> <td>LLF</td> </tr> <tr> <td>CORRUGATED IRON FENCE</td> <td>CIF</td> <td>METAL RAILING FENCE</td> <td>MRF</td> </tr> <tr> <td>CLOSE BOARD FENCE</td> <td>CBF</td> <td>POST AND CHAIN FENCE</td> <td>PCF</td> </tr> <tr> <td>CHAIN LINK FENCE</td> <td>CLF</td> <td>PICKET FENCE</td> <td>PIF</td> </tr> <tr> <td>CHESTNUT PALING FENCE</td> <td>CPF</td> <td>POST AND RAIL FENCE</td> <td>PRF</td> </tr> <tr> <td>FENCE POST</td> <td>FPO</td> <td>POST AND WIRE FENCE</td> <td>PWF</td> </tr> <tr> <td>INTERWOVEN FENCE</td> <td>IWF</td> <td>STEEL PALISADE SECURITY FENCE</td> <td>SPSF</td> </tr> <tr> <td>IRON RAILING FENCE</td> <td>IRF</td> <td>TUBULAR STEEL RAIL FENCE</td> <td>TSRF</td> </tr> </table>				BARBED WIRE FENCE	BWF	LARCH LAP FENCE	LLF	CORRUGATED IRON FENCE	CIF	METAL RAILING FENCE	MRF	CLOSE BOARD FENCE	CBF	POST AND CHAIN FENCE	PCF	CHAIN LINK FENCE	CLF	PICKET FENCE	PIF	CHESTNUT PALING FENCE	CPF	POST AND RAIL FENCE	PRF	FENCE POST	FPO	POST AND WIRE FENCE	PWF	INTERWOVEN FENCE	IWF	STEEL PALISADE SECURITY FENCE	SPSF	IRON RAILING FENCE	IRF	TUBULAR STEEL RAIL FENCE	TSRF																																																																																																							
BARBED WIRE FENCE	BWF	LARCH LAP FENCE	LLF																																																																																																																																							
CORRUGATED IRON FENCE	CIF	METAL RAILING FENCE	MRF																																																																																																																																							
CLOSE BOARD FENCE	CBF	POST AND CHAIN FENCE	PCF																																																																																																																																							
CHAIN LINK FENCE	CLF	PICKET FENCE	PIF																																																																																																																																							
CHESTNUT PALING FENCE	CPF	POST AND RAIL FENCE	PRF																																																																																																																																							
FENCE POST	FPO	POST AND WIRE FENCE	PWF																																																																																																																																							
INTERWOVEN FENCE	IWF	STEEL PALISADE SECURITY FENCE	SPSF																																																																																																																																							
IRON RAILING FENCE	IRF	TUBULAR STEEL RAIL FENCE	TSRF																																																																																																																																							

REV.	NOTES	DWN	DATE
A	Site re-surveyed & updated.	RB	Feb 2020



Notes:
Grid and levels relate to OS GPS Active Network.
Sheet is North orientated unless stated.

Maltby Surveys Ltd

2 QUEENS ROAD
HAYWARDS HEATH
WEST SUSSEX
RH16 1EB
Tel: 01444 416246
Fax: 01444 417697
E-Mail: mis@maltbysurveys.com
WebSite: <http://www.maltbysurveys.com>

SURVEYED	RB	CLIENT
DRAWN	RB	Penfold Verrall Limited
CHECKED	RM	SCALE
		1/500 (A1 Sheet)

The Haulage Yard, Dial Post, Horsham, RH13 8NY

TOPOGRAPHICAL SURVEY

Job No	Rev	Drawing Number
DP1		DP1/100 A1A
Date	December 2019	

Annex B – Water Bills



from Southern Water

- 3 MAR 2023

328343

THE PENFOLD VERRALL LTD
THE HAULAGE YARD
GRINDERS LANE
HORSHAM
RH13 8NY

Meter reading 313
21788



Visit our website for live chat or to log into your account
southernwater.co.uk/help



0330 303 0277
Weekdays - 8am to 7pm
Saturday - 8.30am to 2pm



Your customer number
11149719



Your payment reference
1211 8841 0001X



Invoice number
712001973487

Dear The PENFOLD VERRALL LTD,

Here's your latest bill based on the meter reading we estimated on 27 February 2023. You currently pay by cash - see page two for your payment options.

Meter reading
Water used in cubic metres

289 m³

One cubic metre = 1,000 litres. This is equivalent to: 40 baths, 39 14 wash showers or 105 toilet flushes!

Meter number: 895724ZE

Latest reading: 27 Feb 2023

2	1	3	4	4	7	0
---	---	---	---	---	---	---

Previous reading: 7 Sep 2022

2	1	0	5	6	2	0
---	---	---	---	---	---	---

Your next meter reading is scheduled to take place by 29 Sep 2023.

Previous bill's usage
283.40 m³

Charges

£456.10

Bill date
01 Mar 2023

Billing period
From: 08 September 2022
To: 27 February 2023

Bill type
Metered - Cash

Previous bill's charges
£447.15

Future payments

Total payment of
£456.10

Payment due by
15 March 2023

To pay your bill
See how to pay on p. 2

Struggling to pay? See p. 3

Water

Period: 08 September 2022 to 27 February 2023

Variable Rate	£1.550 x 288.50m ³	=	£447.18
Standing Charge		=	£8.92
Total Water			£456.10

Wastewater

Southern Water only supplies your water - we don't take wastewater away from your property.

So, you don't receive any wastewater charges from us.

CODE 2110

REG NO OR CONTRACT ADDRESS:
B9EB

Standing Charge:
This covers essential service costs such as sending bills, collecting payments and dealing with enquiries.

T9



Southern Water

5th March 2022



Visit our website for live chat or to log into your account
southernwater.co.uk/help



0330 303 0277
Weekdays - 8am to 7pm
Saturday - 8.30am to 2pm

THE PENFOLD VERRALL
THE HAULAGE YARD
GRINDERS LANE
HORSHAM
RH13 8NY



Your customer number
11149719



Your payment reference
1211 8841 0001X



Invoice number
712001890286

Dear The PENFOLD VERRALL,

Here's your latest bill based on the meter reading we estimated on 23 March 2022. You currently pay by cash – see page two for your payment options.

Meter reading

Water used in cubic metres

623 m³

One cubic metre = 1000 litres
This is equivalent to: 33 baths, 314 mugs
or 1080 glasses of 100 ml each.

Meter number: 93578476

Latest reading: 23 Mar 2022

2 0 7 7 2 8 0

Previous reading: 22 Mar 2021

2 0 1 5 0 0 0

Your next meter reading is scheduled to take place by 29 Sep 2022

Previous bill's usage
592.00 m³

Charges

£946.70

Bill date
24 Mar 2022

Billing period
From: 23 March 2021
To: 23 March 2022

Bill type
Metered - Cash

Previous bill's charges
£863.92

Future payments

Total payment of
£946.70

Payment due by
07 April 2022

To pay your bill
See how to pay on p. 2

Struggling to pay? See p. 3



Water

Period: 23 March 2021 to 31 March 2021

Variable Rate £1.426 x 15.30m³ = £21.82

Standing Charge = £0.50

Period: 01 April 2021 to 23 March 2022

Variable Rate £1.487 x 607.50m³ = £903.35

Standing Charge = £21.03

Total Water £946.70



Wastewater

Southern Water only supplies your water – we don't take wastewater away from your property.

So, you don't receive any wastewater charges from us.

Standing Charge:

This covers essential service costs such as sending bills, collecting payments and dealing with enquiries.

1121600710118150015003



T9