

Appendix A

REPORT LIMITATIONS



REPORT LIMITATIONS - GROUND RISK AND REMEDIATION

GENERAL

1. WSP UK Limited has prepared this report solely for the use of the Client and those parties with whom a warranty agreement has been executed, or with whom an assignment has been agreed and outlined in the body of the report.
2. Unless explicitly agreed otherwise, in writing, this report has been prepared under WSP UK Limited standard Terms and Conditions as included within our proposal to the Client.
3. Project specific appointment documents may be agreed at our discretion and a charge may be levied for both the time to review and finalise appointments documents and also for associated changes to the appointment terms. WSP UK Limited reserves the right to amend the fee should any changes to the appointment terms create an increase risk to WSP UK Limited.
4. The report needs to be considered in the light of the WSP UK Limited proposal and associated limitations of scope. The report needs to be read in full and isolated sections cannot be used without full reference to other elements of the report and any previous works referenced within the report.

PHASE 1 GEO ENVIRONMENTAL AND PRELIMINARY RISK ASSESSMENTS

Coverage: *This section covers reports with the following titles or combination of titles: phase 1; desk top study; geo environmental assessment; development appraisal; preliminary environmental risk assessment; constraints report; due diligence report; geotechnical development review; environmental statement; environmental chapter; project scope summary report (PSSR), program environmental impact report (PEIR), geotechnical development risk register; and, baseline environmental assessment.*

5. The works undertaken to prepare this report comprised a study of available and easily documented information from a variety of sources (including the Client), together with (where appropriate) a brief walk over inspection of the Site and correspondence with relevant authorities and other interested parties. Due to the short timescales associated with these projects responses may not have been received from all parties. WSP UK Limited cannot be held responsible for any disclosures that are provided post production of our report and will not automatically update our report.
6. The opinions given in this report have been dictated by the finite data on which they are based and are relevant only for the purpose for which the report was commissioned. The information reviewed should not be considered exhaustive and has been accepted in good faith as providing true and representative data pertaining to site conditions. Should additional information become available which may affect the opinions expressed in this report, WSP UK Limited reserves the right to review such information and, if warranted, to modify the opinions accordingly.
7. It should be noted that any risks identified in this report are perceived risks based on the information reviewed. Actual risks can only be assessed following intrusive investigations of the site.
8. WSP UK Limited does not warrant work / data undertaken / provided by others.

REPORT LIMITATIONS - GROUND RISK AND REMEDIATION

INTRUSIVE INVESTIGATION REPORTS

Coverage: *The following report titles (or combination) may cover this category of work: geo environmental site investigation; geotechnical assessment; GIR (Ground Investigation reports); preliminary environmental and geotechnical risk assessment; and, geotechnical risk register.*

9. The investigation has been undertaken to provide information concerning either:
 - i. The type and degree of contamination present at the site in order to allow a generic quantitative risk assessment to be undertaken; or
 - ii. Information on the soil properties present at the site to allow for geotechnical development constraints to be considered.
10. The scope of the investigation was selected on the basis of the specific development and land use scenario proposed by the Client and may be inappropriate to another form of development or scheme. If the development layout was not known at the time of the investigation the report findings may need revisiting once the development layout is confirmed.
11. For contamination purposes, the objectives of the investigation are limited to establishing the risks associated with potential contamination sources with the potential to cause harm to human health, building materials, the environment (including adjacent land), or controlled waters.
12. For geotechnical investigations the purpose is to broadly consider potential development constraints associated with the physical property of the soils underlying the site within the context of the proposed future or continued use of the site, as stated within the report.
13. The amount of exploratory work, soil property testing and chemical testing undertaken has necessarily been restricted by various factors which may include accessibility, the presence of services; existing buildings; current site usage or short timescales. The exploratory holes completed assess only a small percentage of the area in relation to the overall size of the Site, and as such can only provide a general indication of conditions.
14. The number of sampling points and the methods of sampling and testing do not preclude the possible existence of contamination where concentrations may be significantly higher than those actually encountered or ground conditions that vary from those identified. In addition, there may be exceptional ground conditions elsewhere on the site which have not been disclosed by this investigation and which have therefore not been taken into account in this report.
15. The inspection, testing and monitoring records relate specifically to the investigation points and the timeframe that the works were undertaken. They will also be limited by the techniques employed. As part of this assessment, WSP UK Limited has used reasonable skill and care to extrapolate conditions between these points based upon assumptions to develop our interpretation and conclusions. The assumption made in forming our conclusions is that the ground and groundwater conditions (both chemically and physically) are the same as have been encountered during the works undertaken at the specific points of investigation. Conditions can change between investigation points and these interpretations should be considered indicative.
16. The risk assessment and opinions provided are based on currently available guidance relating to acceptable contamination concentrations; no liability can be accepted for the retrospective effects of any future changes or amendments to these values. Specific assumptions associated

REPORT LIMITATIONS - GROUND RISK AND REMEDIATION

with the WSP UK Limited risk assessment process have been outlined within the body or associated appendix of the report.

17. Additional investigations may be required in order to satisfy relevant planning conditions or to resolve any engineering and environmental issues.
18. Where soil contamination concentrations recorded as part of this investigation are used for commentary on potential waste classification of soils for disposal purposes, these should be classed as indicative only. Due consideration should be given to the variability of contaminant concentrations taken from targeted samples versus bulk excavated soils and the potential variability of contaminant concentrations between sampling locations. Where major waste disposal operations are considered, targeted waste classification investigations should be designed.
19. The results of the asbestos testing are factually reported and interpretation given as to how this relates to the previous use of the site, the types of ground encountered and site conceptualisation. This does not however constitute a formal asbestos assessment. These results should be treated cautiously and should not be relied upon to provide detailed and representative information on the delineation, type and extent of bulk ACMs and / or trace loose asbestos fibres within the soil matrix at the site.
20. If costs have been included in relation to additional site works, and / or site remediation works these must be considered as indicative only and must be confirmed by a qualified quantity surveyor.

EUROCODE 7: GEOTECHNICAL DESIGN

21. On 1st April 2010, BS EN 1997-1:2004 (Eurocode 7: Geotechnical Design – Part 1) became the mandatory baseline standard for geotechnical ground investigations.
22. In terms of geotechnical design for foundations, slopes, retaining walls and earthworks, EC7 sets guidance on design procedures including specific guidance on the numbers and spacings of boreholes for geotechnical design, there are limits to methods of ground investigation and the quality of data obtained and there are also prescriptive methods of assessing soil strengths and methods of design. Unless otherwise explicitly stated, the work has not been undertaken in accordance with EC7. A standard geotechnical interpretative report will not meet the requirements of the Geotechnical Design Report (GDR) under Eurocode 7. The GDR can only be prepared following confirmation of all structural loads and serviceability requirements. The report is likely to represent a Ground Investigation Report (GIR) under the Eurocode 7 guidance.

DETAILED QUANTITATIVE RISK ASSESSMENTS AND REMEDIAL STRATEGY REPORTS

23. These reports build upon previous report versions and associated notes. The scope of the investigation, further testing and monitoring and associated risk assessments were selected on the basis of the specific development and land use scenario proposed by the Client and may not be appropriate to another form of development or scheme layout. The risk assessment and opinions provided are based on currently available approaches in the generation of Site Specific Assessment Criteria relating to contamination concentrations and are not considered to represent a risk in a specific land use scenario to a specific receptor. No liability can be accepted for the retrospective effects of any future changes or amendments to these values, associated models or associated guidance.



REPORT LIMITATIONS - GROUND RISK AND REMEDIATION

- 24. The outputs of the Detailed Quantitative Risk Assessments are based upon WSP UK Limited manipulation of standard risk assessment models. These are our interpretation of the risk assessment criteria.
- 25. Prior to adoption on site they will need discussing and agreeing with the Regulatory Authorities prior to adoption on site. The regulatory discussion and engagement process may result in an alternative interpretation being determined and agreed. The process and timescales associated with the Regulatory Authority engagement are not within the control of WSP UK Limited. All costs and programmes presented as a result of this process should be validated by a quantity surveyor and should be presumed to be indicative.

GEOTECHNICAL DESIGN REPORT (GDR)

- 26. The GDR can only be prepared following confirmation of all structural loads and serviceability requirements. All the relevant information needs to be provided to allow for a GDR to be produced.

MONITORING (INCLUDING REMEDIATION MONITORING REPORTS)

- 27. These reports are factual in nature and comprise monitoring, normally groundwater and ground gas and data provided by contractors as part of an earthworks or remedial works.
- 28. The data is presented and will be compared with assessment criteria.

Appendix B

CIRIA RISK DEFINITIONS



CIRIA RISK DEFINITIONS

Table A1 - Classifications of Probability

Classification	Definition
High Likelihood	There is a pollution linkage / identified geotechnical hazard and an event that either appears very likely in the short term and almost inevitable over the long term, or there is evidence at the receptor of harm or pollution.
Likely	There is a pollution linkage and all the elements are present and in the right place, which means that it is probable that an event will occur. Circumstances are such that an event is not inevitable, but possible in the short term and likely over the long term.
Low Likelihood	There is a pollution linkage and circumstances are possible under which an event could occur. However, it is by no means certain that even over a longer period such event would take place, and is less likely in the shorter term.
Unlikely	There is a pollution linkage but circumstances are such that it is improbable that an event would occur even in the very long term

Table A2 - Classifications of Consequence

Classification	Definition
Severe	Short-term (acute) risk to human health likely to result in "significant harm" as defined by the Environment Protection Act 1990, Part IIA. Short-term risk of pollution of sensitive water resource. Catastrophic damage to buildings/property. A short-term risk to a particular ecosystem, or organism forming part of such ecosystem.
Medium	Chronic damage to Human Health ("significant harm" as defined in DETR, 2000). Pollution of sensitive water resources. A significant change in a particular ecosystem, or organism forming part of such ecosystem.
Mild	Pollution of non-sensitive water resources. Significant damage to crops, buildings, structures and services (significant harm as defined in the Draft Circular on Contaminated Land, DETR, 2000). Damage to sensitive buildings/structures/services or the environment.
Minor	Harm, although not necessarily significant harm, which may result in a financial loss, or expenditure to resolve, Non-permanent health effects to human health (easily prevented by means such as personal protective clothing etc.). Easily repairable effects of damage to buildings, structures and services

The risk categories presented in this report, taking into account both probability and severity, are based on the matrix presented in **Table A3** below, following CIRIA C552.

Table A3 - Adopted Risk Categories / Comparison of Consequence Against Probability

Probability	Consequence			
	Severe	Medium	Mild	Minor
High Likelihood	Very High Risk	High Risk	Moderate Risk	Low to Moderate Risk
Likely	High Risk	Moderate Risk	Low to Moderate Risk	Low Risk
Low Likelihood	Moderate Risk	Low to Moderate Risk	Low Risk	Very Low Risk
Unlikely	Low to Moderate Risk	Low Risk	Very Low Risk	Very Low Risk

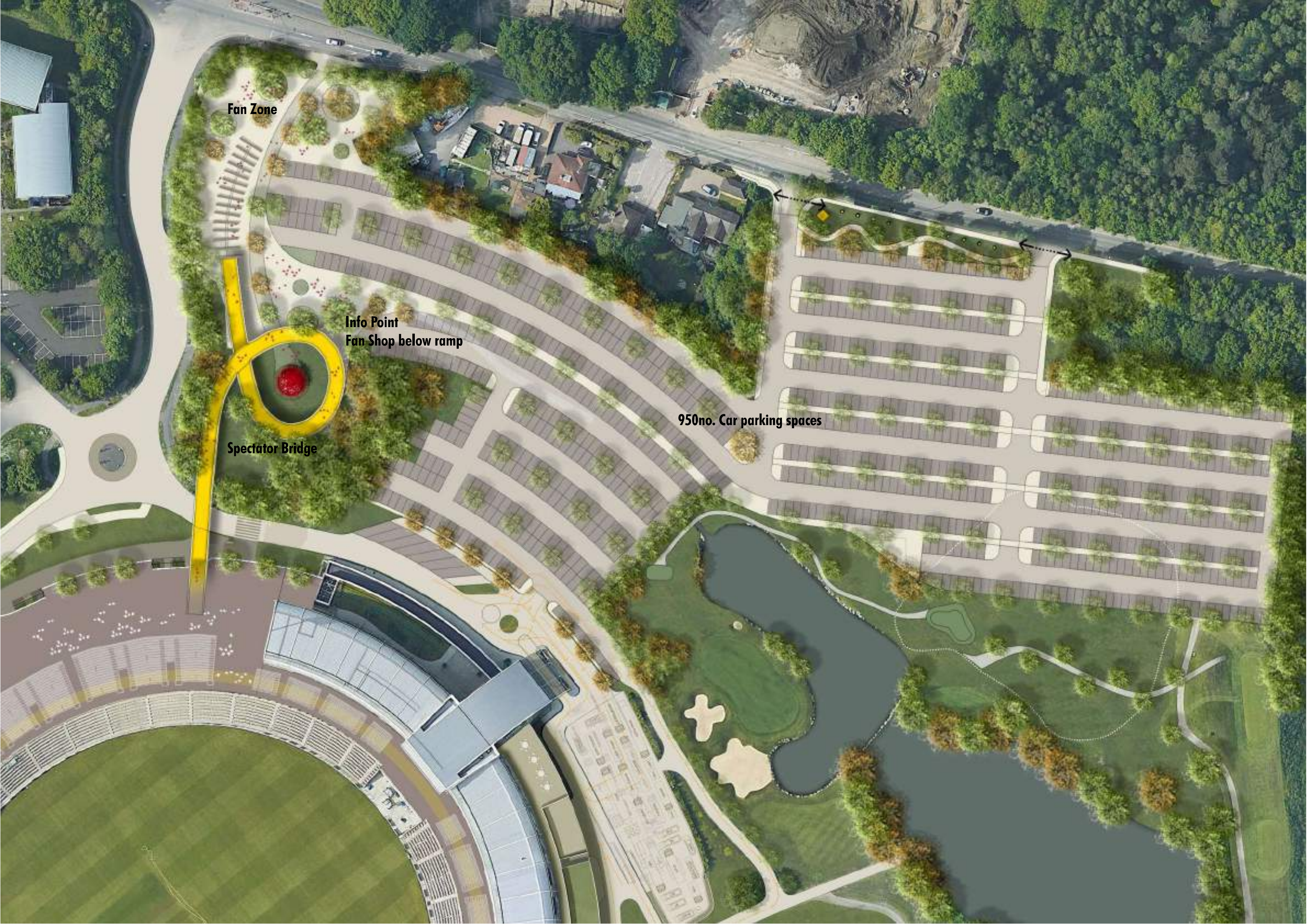
Appendix C

FIGURES AND DRAWINGS





CHARACTER AREA 1
NORTHERN GATEWAY



Fan Zone

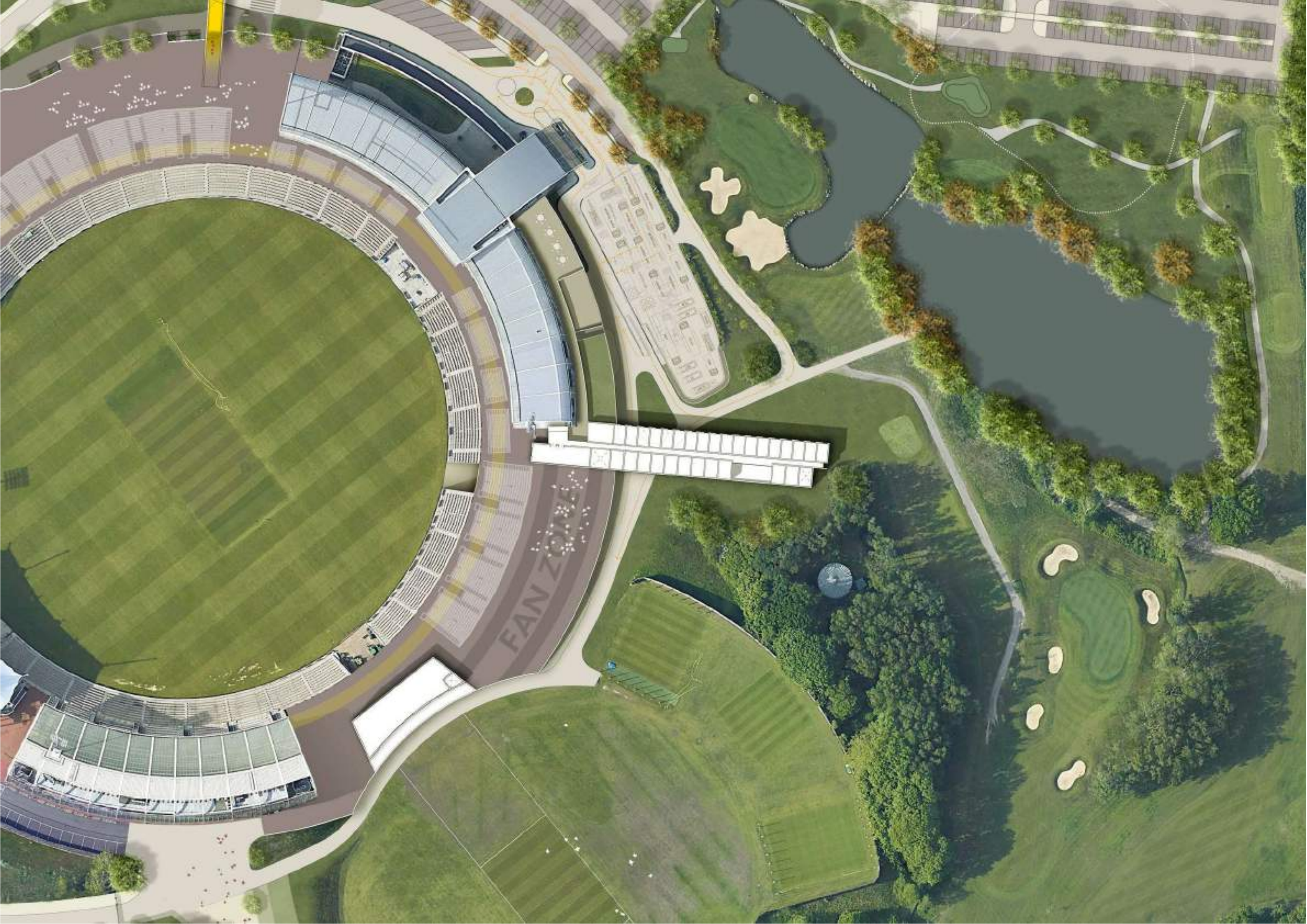
Info Point
Fan Shop below ramp

Spectator Bridge

950no. Car parking spaces



CHARACTER AREA 2
BUDGET HOTEL

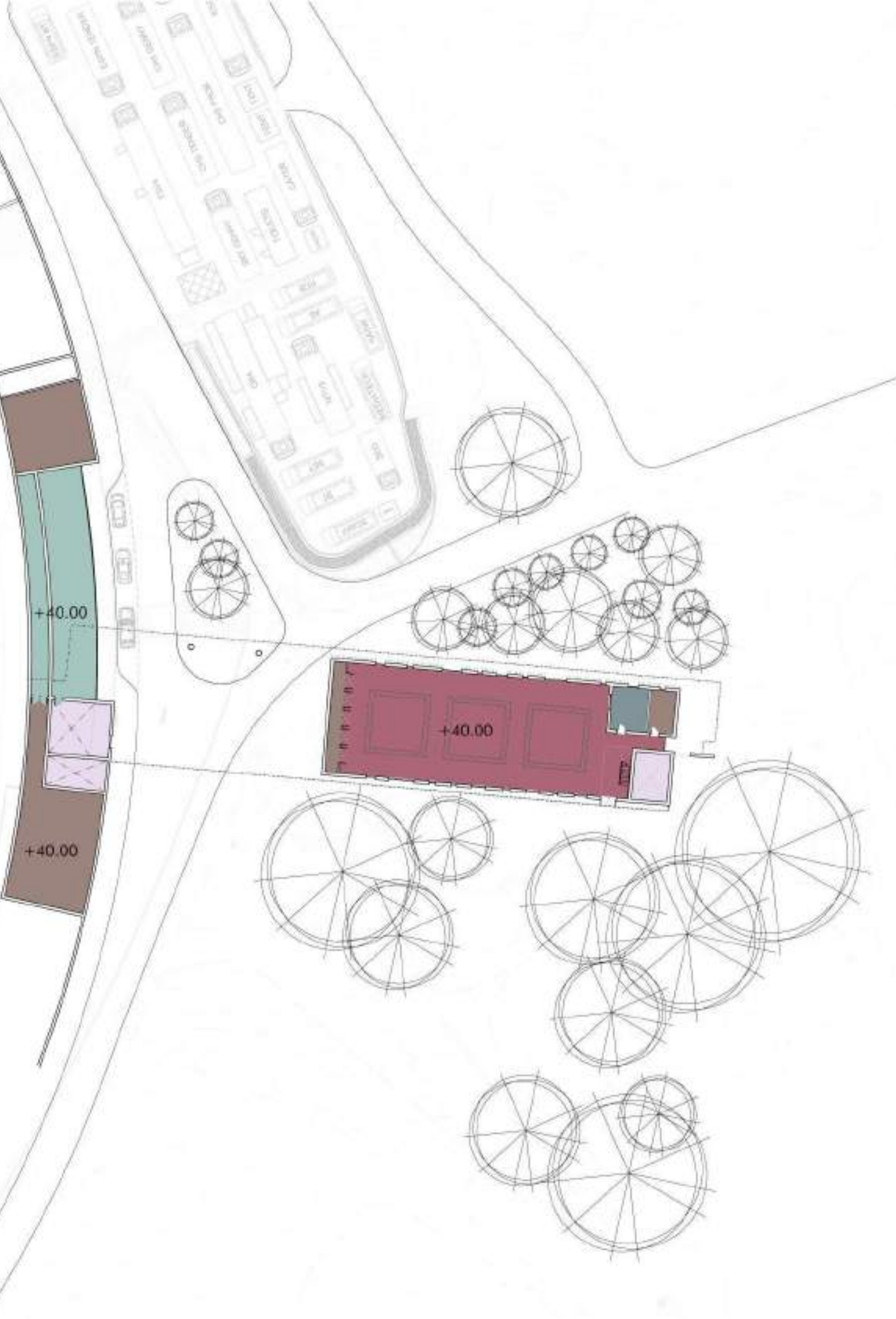


BUDGET HOTEL

Ground Floor Plan

1:500 @ A3

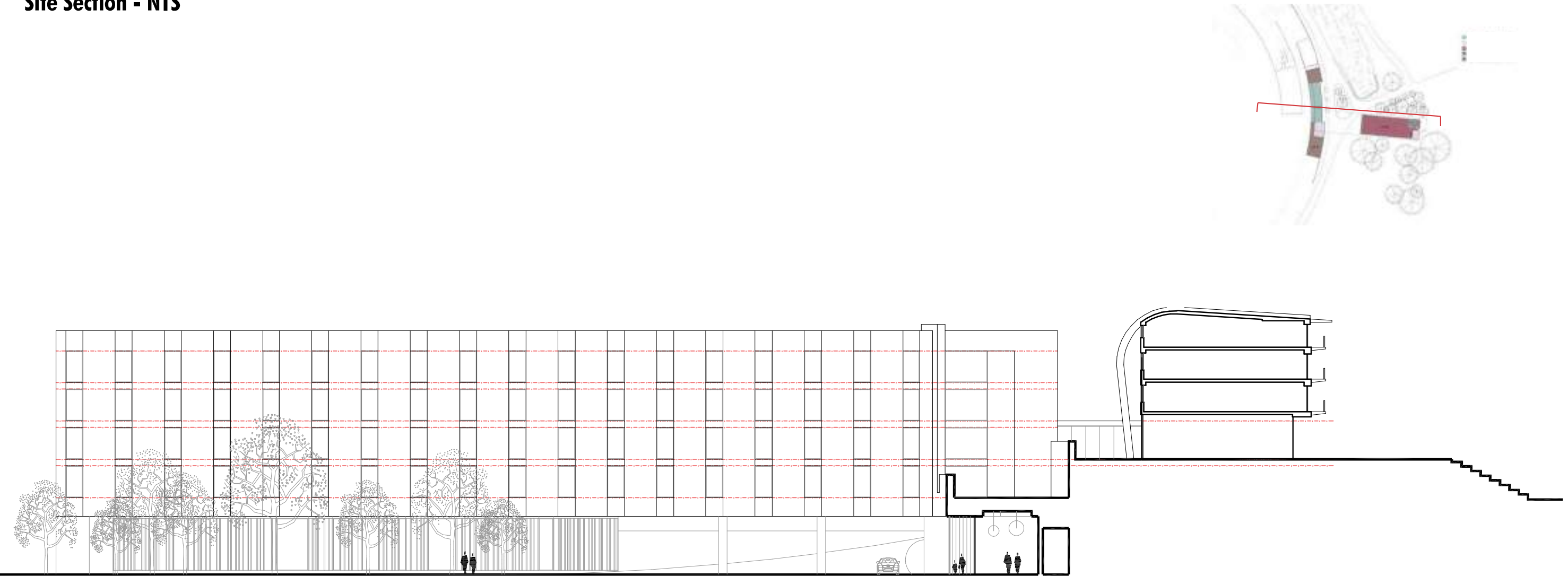
- Entrance Lobby - 187 Sq.m or 2012 Sq.ft
- Circulation - 87.1 Sq.m or 937.4 Sq.ft
- Rentable Space - 393.5 Sq.m or 4235 Sq.ft
- Ancillary/Store - 400 Sq.m or 4305 Sq.ft
- WC/Changing - 20 Sq.m or 215.2 Sq.ft



Total = 116no. Hotel Rooms

BUDGET HOTEL

Site Section - NTS





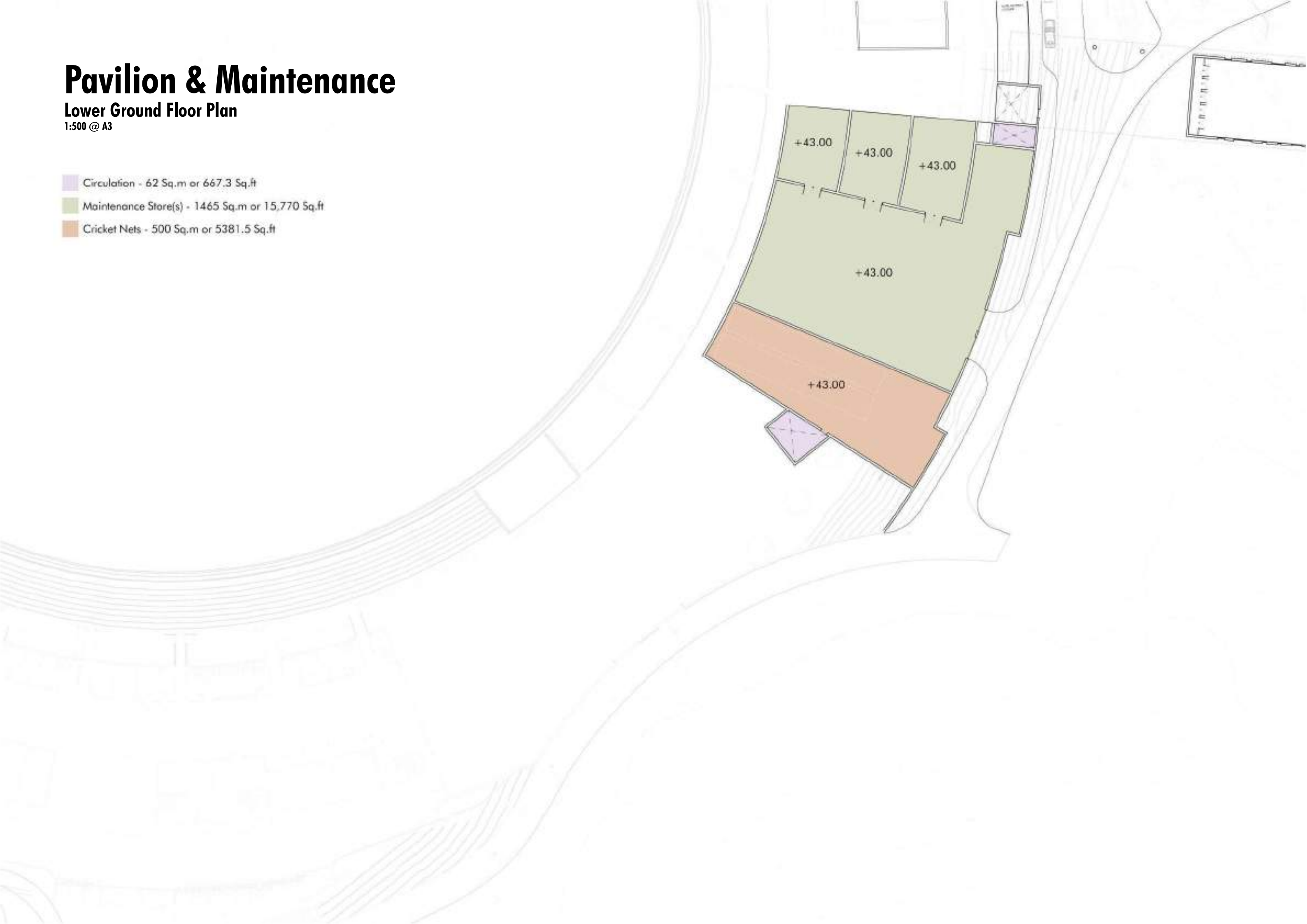
CHARACTER AREA 3:
PAVILION & MAINTENANCE

Pavilion & Maintenance

Lower Ground Floor Plan

1:500 @ A3

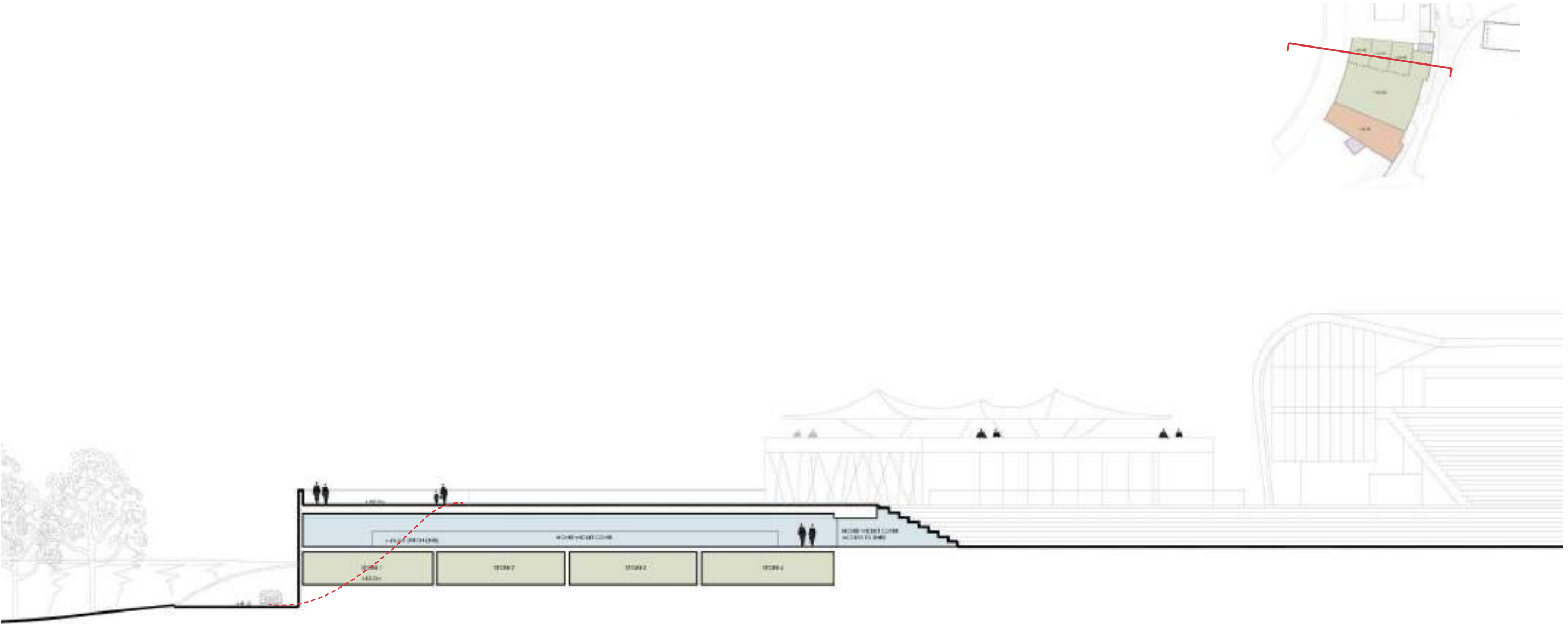
- Circulation - 62 Sq.m or 667.3 Sq.ft
- Maintenance Store(s) - 1465 Sq.m or 15,770 Sq.ft
- Cricket Nets - 500 Sq.m or 5381.5 Sq.ft



Pavilion & Maintenance

Section - NTS

----- Red dashed line indicates existing berm





CHARACTER AREA 4
SOUTHERN GATEWAY



CHARACTER AREA 5
RESIDENTIAL & WELL-BEING

This aerial photograph shows a large-scale development. In the center is a large, circular stadium with a green field and tiered seating. To the left of the stadium is a large, irregularly shaped lake. To the right is a golf course with several green fairways and sand traps. The entire area is surrounded by dense green trees and some residential buildings in the top left corner. A white dotted line outlines a specific area around the lake and stadium.



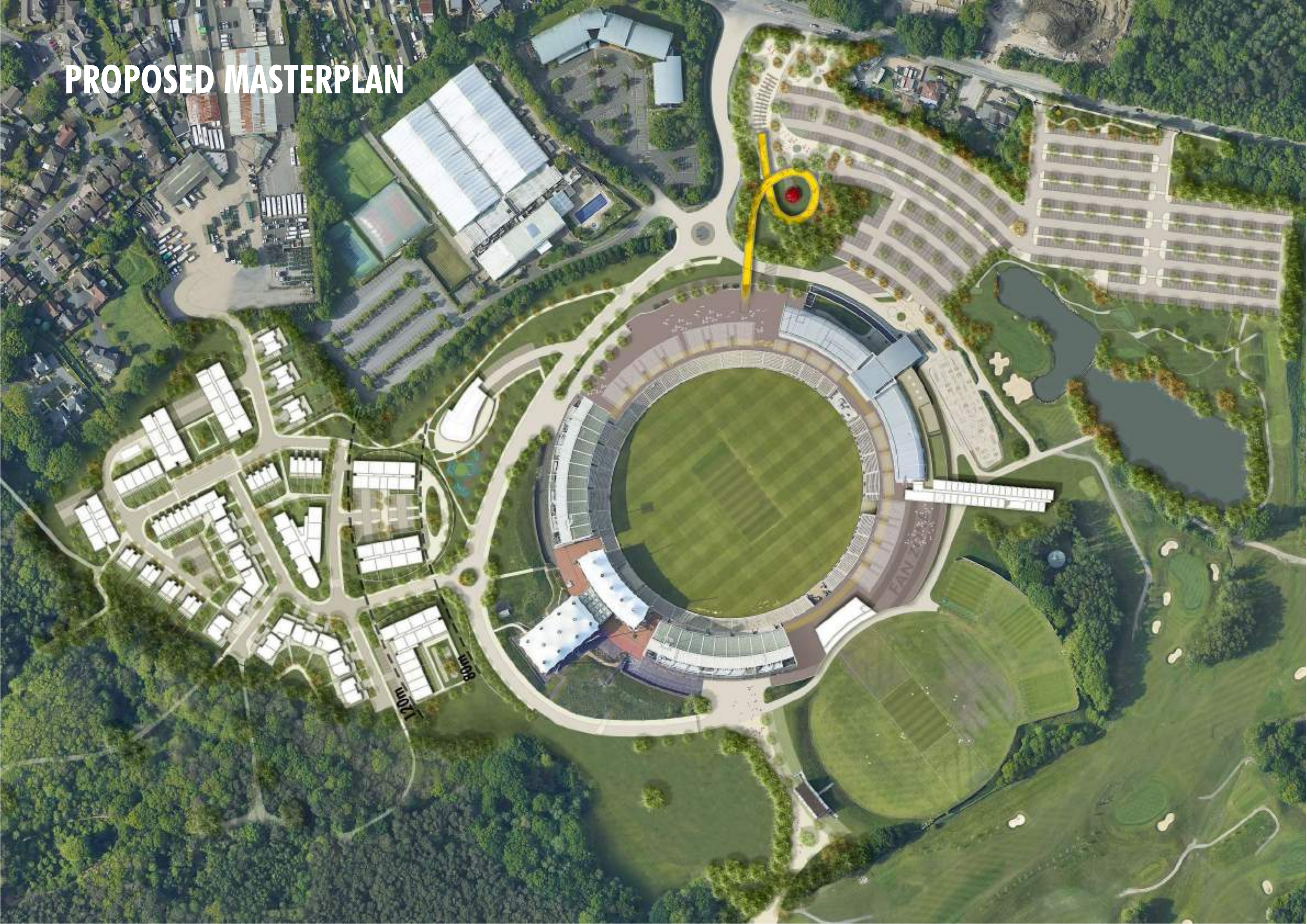
STOREY HEIGHTS

Across the Residential & Budget Hotel Site



1 Storey 2 Storey 3 Storey 4 Storey 5 Storey 6 Storey

PROPOSED MASTERPLAN



Appendix D

SITE WALKOVER PHOTOLOG





Photograph 1: General view North West across training pitch towards stadium berm, access tunnel, proposed pavilion and budget hotel to the right hand side.



Photograph 2: General view North in the area proposed for the pavilion.



Photograph 3: General view North East alongside berm towards existing hotel carpark and proposed budget hotel.



Photograph 4: General view ground floor access tunnel showing vehicle storage .



Photograph 5: General view ground floor workshop showing storage of power tools and various oils and lubricants etc.



Photograph 6: General view ground floor workshop showing storage of various oils and lubricants etc.



Photograph 7: General view ground floor workshop floor including sawdust covered recent spill.



Photograph 8: General view ground floor workshop showing storage of power tools etc.



Photograph 9: General view ground floor access tunnel showing fuel storage tank.



Photograph 10: General view west towards berm, showing the existing hotel and gas governor in the proposed area of the budget hotel.



Photograph 11: General view South of Hickley Farm Cottages in the proposed area of the budget hotel.



Photograph 12: General view West of golf buggy compound in the proposed area of the budget hotel.



Photograph 13: General view North of driving range in proposed area of the budget hotel.



Photograph 14: General view West of waste storage in woods behind Hickley Farm Cottages.



Photograph 15: General view East of storage tank behind Hickley Farm Cottages.



Photograph 16: General view North West across golf course showing proposed car parking area.



Photograph 17: General view North along Eastern Site boundary across golf course.



Photograph 18: General view North along Eastern Site boundary showing back of the golf course.



Photograph 19: General view North West along North Site boundary with Botley Road beyond the trees, showing gravel surfaced car park and leaf piles.



Photograph 20: General view South West across the golf course in the area of the proposed car park.



Photograph 21: General view West along North Site boundary in the area of the proposed car park.



Photograph 22: General view West along the first fairway with drainage ditch lined with sleepers.



Photograph 23: General view West of drainage ditch leaving culverted section beneath Marshall Drive.



Photograph 24: General view West across existing hotel car parking area.



Photograph 25: General view East across existing car parking.



Photograph 26: General view South showing SSE plant off Marshall Drive.



Photograph 27: General view South West across existing car parking area towards proposed welfare development area.



Photograph 28: Detailed view showing construction waste fill exposed beneath road plainings.



Photograph 29: General view South showing pipe draining car parking area into ditch along North Site boundary.



Photograph 30: General view North along the East Site boundary showing overgrown vegetation and difference in level.



Photograph 31: General view South West across existing car park proposed residential development.



Photograph 32: General view South East across existing car park/proposed residential development area.



Photograph 33: General view North West along West Site boundary with Telegraph Woods showing leaf and grass cuttings heaps.



Photograph 34: General view North East across existing car park proposed for residential development



Photograph 35: General view East across proposed Southern Gateway showing subsoil/manure heaps.



Photograph 36: General view North West across former site compound showing crushed demolition waste and general waste.



Photograph 37: General view South of Southern Site boundary showing crushed concrete/rock.



Photograph 38: General View North across proposed Southern Gateway and existing carpark for wellbeing centre.



Photograph 39: General View South East showing existing wellbeing centre and pavilion in the area proposed for the Southern Gateway.



Photograph 40: General view North across training pitch, towards the stadium and proposed pavilion/budget hotel.

Appendix E

GROUNDSURE REPORT



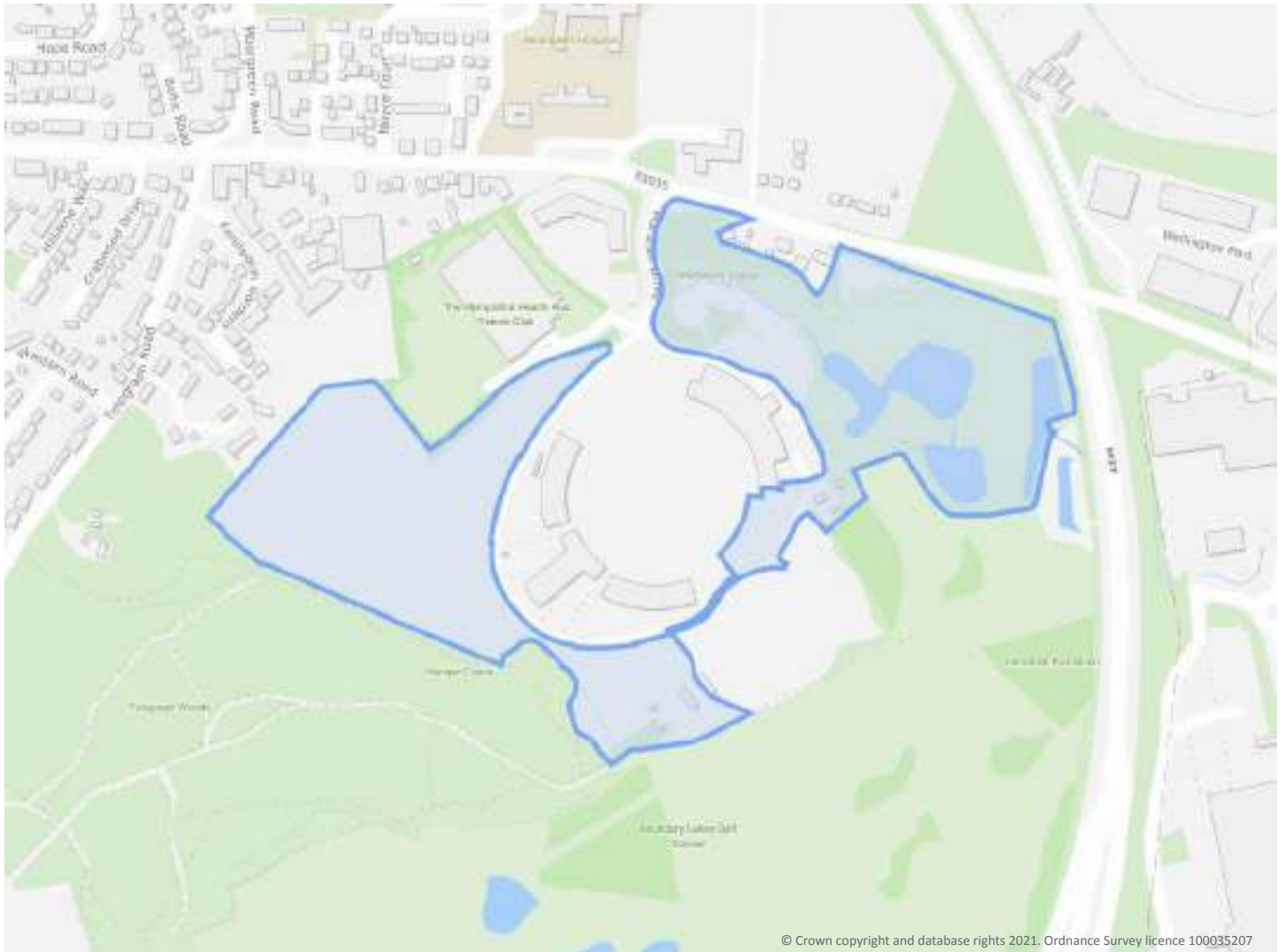
447749 114067

Order Details

Date: 23/11/2021
Your ref: 20136787
Our Ref: GS-8355427
Client: WSP UK Ltd

Site Details

Location: 447843 114026
Area: 15.92 ha
Authority: [Eastleigh Borough Council](#)



Summary of findings

p. 2

Aerial image

p. 8

OS MasterMap site plan

N/A: >10ha

groundsure.com/insightuserguide

Summary of findings

Page	Section	Past land use	On site	0-50m	50-250m	250-500m	500-2000m
<u>13</u>	<u>1.1</u>	<u>Historical industrial land uses</u>	0	8	34	34	-
<u>16</u>	<u>1.2</u>	<u>Historical tanks</u>	0	0	5	5	-
<u>17</u>	<u>1.3</u>	<u>Historical energy features</u>	0	0	3	18	-
18	1.4	Historical petrol stations	0	0	0	0	-
<u>18</u>	<u>1.5</u>	<u>Historical garages</u>	0	0	1	0	-
19	1.6	Historical military land	0	0	0	0	-
Page	Section	Past land use - un-grouped	On site	0-50m	50-250m	250-500m	500-2000m
<u>20</u>	<u>2.1</u>	<u>Historical industrial land uses</u>	0	11	41	48	-
<u>24</u>	<u>2.2</u>	<u>Historical tanks</u>	0	0	7	10	-
<u>25</u>	<u>2.3</u>	<u>Historical energy features</u>	0	0	5	27	-
26	2.4	Historical petrol stations	0	0	0	0	-
<u>27</u>	<u>2.5</u>	<u>Historical garages</u>	0	0	2	0	-
Page	Section	Waste and landfill	On site	0-50m	50-250m	250-500m	500-2000m
28	3.1	Active or recent landfill	0	0	0	0	-
28	3.2	Historical landfill (BGS records)	0	0	0	0	-
29	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
<u>29</u>	<u>3.4</u>	<u>Historical landfill (EA/NRW records)</u>	0	1	0	0	-
29	3.5	Historical waste sites	0	0	0	0	-
<u>29</u>	<u>3.6</u>	<u>Licensed waste sites</u>	1	0	3	0	-
<u>31</u>	<u>3.7</u>	<u>Waste exemptions</u>	0	1	10	14	-
Page	Section	Current industrial land use	On site	0-50m	50-250m	250-500m	500-2000m
<u>34</u>	<u>4.1</u>	<u>Recent industrial land uses</u>	0	3	25	-	-
<u>36</u>	<u>4.2</u>	<u>Current or recent petrol stations</u>	0	1	0	0	-
36	4.3	Electricity cables	0	0	0	0	-
37	4.4	Gas pipelines	0	0	0	0	-
37	4.5	Sites determined as Contaminated Land	0	0	0	0	-



37	4.6	Control of Major Accident Hazards (COMAH)	0	0	0	0	-
37	4.7	Regulated explosive sites	0	0	0	0	-
37	4.8	Hazardous substance storage/usage	0	0	0	0	-
38	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-
38	4.10	<u>Licensed industrial activities (Part A(1))</u>	0	0	2	0	-
38	4.11	<u>Licensed pollutant release (Part A(2)/B)</u>	0	0	1	1	-
39	4.12	Radioactive Substance Authorisations	0	0	0	0	-
39	4.13	<u>Licensed Discharges to controlled waters</u>	1	2	3	24	-
44	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
44	4.15	<u>Pollutant release to public sewer</u>	0	0	1	0	-
44	4.16	List 1 Dangerous Substances	0	0	0	0	-
44	4.17	List 2 Dangerous Substances	0	0	0	0	-
45	4.18	<u>Pollution Incidents (EA/NRW)</u>	0	0	0	1	-
45	4.19	Pollution inventory substances	0	0	0	0	-
45	4.20	Pollution inventory waste transfers	0	0	0	0	-
45	4.21	Pollution inventory radioactive waste	0	0	0	0	-
Page	Section	Hydrogeology	On site	0-50m	50-250m	250-500m	500-2000m
47	5.1	<u>Superficial aquifer</u>	Identified (within 500m)				
49	5.2	<u>Bedrock aquifer</u>	Identified (within 500m)				
50	5.3	<u>Groundwater vulnerability</u>	Identified (within 50m)				
51	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
52	5.5	Groundwater vulnerability- local information	None (within 0m)				
53	5.6	<u>Groundwater abstractions</u>	1	0	0	0	0
54	5.7	Surface water abstractions	0	0	0	0	0
54	5.8	Potable abstractions	0	0	0	0	0
54	5.9	Source Protection Zones	0	0	0	0	-
55	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-
Page	Section	Hydrology	On site	0-50m	50-250m	250-500m	500-2000m
56	6.1	<u>Water Network (OS MasterMap)</u>	20	5	7	-	-



59	6.2	<u>Surface water features</u>	1	3	7	-	-
59	6.3	<u>WFD Surface water body catchments</u>	2	-	-	-	-
60	6.4	<u>WFD Surface water bodies</u>	0	0	0	-	-
60	6.5	<u>WFD Groundwater bodies</u>	1	-	-	-	-
Page	Section	River and coastal flooding	On site	0-50m	50-250m	250-500m	500-2000m
61	7.1	Risk of flooding from rivers and the sea	None (within 50m)				
61	7.2	Historical Flood Events	0	0	0	-	-
61	7.3	Flood Defences	0	0	0	-	-
62	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
62	7.5	Flood Storage Areas	0	0	0	-	-
63	7.6	Flood Zone 2	None (within 50m)				
63	7.7	Flood Zone 3	None (within 50m)				
Page	Section	Surface water flooding					
64	8.1	<u>Surface water flooding</u>	1 in 30 year, Greater than 1.0m (within 50m)				
Page	Section	Groundwater flooding					
66	9.1	<u>Groundwater flooding</u>	High (within 50m)				
Page	Section	Environmental designations	On site	0-50m	50-250m	250-500m	500-2000m
67	10.1	<u>Sites of Special Scientific Interest (SSSI)</u>	0	0	1	0	0
68	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
68	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
68	10.4	Special Protection Areas (SPA)	0	0	0	0	0
68	10.5	National Nature Reserves (NNR)	0	0	0	0	0
69	10.6	<u>Local Nature Reserves (LNR)</u>	0	0	0	0	5
69	10.7	<u>Designated Ancient Woodland</u>	0	0	0	0	7
70	10.8	Biosphere Reserves	0	0	0	0	0
70	10.9	Forest Parks	0	0	0	0	0
70	10.10	Marine Conservation Zones	0	0	0	0	0
70	10.11	Green Belt	0	0	0	0	0
70	10.12	Proposed Ramsar sites	0	0	0	0	0



71	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
71	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
71	10.15	Nitrate Sensitive Areas	0	0	0	0	0
71	10.16	<u>Nitrate Vulnerable Zones</u>	1	0	0	0	1
73	10.17	<u>SSSI Impact Risk Zones</u>	3	-	-	-	-
76	10.18	<u>SSSI Units</u>	0	0	2	2	0
Page	Section	Visual and cultural designations	On site	0-50m	50-250m	250-500m	500-2000m
79	11.1	World Heritage Sites	0	0	0	-	-
80	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
80	11.3	National Parks	0	0	0	-	-
80	11.4	Listed Buildings	0	0	0	-	-
80	11.5	Conservation Areas	0	0	0	-	-
81	11.6	<u>Scheduled Ancient Monuments</u>	0	1	0	-	-
81	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	Agricultural designations	On site	0-50m	50-250m	250-500m	500-2000m
82	12.1	<u>Agricultural Land Classification</u>	Grade 4 (within 250m)				
83	12.2	Open Access Land	0	0	0	-	-
83	12.3	<u>Tree Felling Licences</u>	0	8	6	-	-
84	12.4	<u>Environmental Stewardship Schemes</u>	0	0	2	-	-
84	12.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	Habitat designations	On site	0-50m	50-250m	250-500m	500-2000m
85	13.1	<u>Priority Habitat Inventory</u>	5	6	22	-	-
87	13.2	<u>Habitat Networks</u>	1	1	3	-	-
87	13.3	Open Mosaic Habitat	0	0	0	-	-
87	13.4	Limestone Pavement Orders	0	0	0	-	-
Page	Section	Geology 1:10,000 scale	On site	0-50m	50-250m	250-500m	500-2000m
89	14.1	<u>10k Availability</u>	Identified (within 500m)				
90	14.2	<u>Artificial and made ground (10k)</u>	0	0	1	0	-
91	14.3	<u>Superficial geology (10k)</u>	0	1	1	0	-



92	14.4	Landslip (10k)	0	0	0	0	-
93	14.5	<u>Bedrock geology (10k)</u>	3	0	1	2	-
94	14.6	Bedrock faults and other linear features (10k)	0	0	0	0	-
Page	Section	Geology 1:50,000 scale	On site	0-50m	50-250m	250-500m	500-2000m
95	15.1	<u>50k Availability</u>	Identified (within 500m)				
96	15.2	<u>Artificial and made ground (50k)</u>	0	0	0	1	-
97	15.3	Artificial ground permeability (50k)	0	0	-	-	-
98	15.4	<u>Superficial geology (50k)</u>	0	1	1	0	-
99	15.5	<u>Superficial permeability (50k)</u>	Identified (within 50m)				
99	15.6	Landslip (50k)	0	0	0	0	-
99	15.7	Landslip permeability (50k)	None (within 50m)				
100	15.8	<u>Bedrock geology (50k)</u>	3	0	1	2	-
101	15.9	<u>Bedrock permeability (50k)</u>	Identified (within 50m)				
101	15.10	Bedrock faults and other linear features (50k)	0	0	0	0	-
Page	Section	Boreholes	On site	0-50m	50-250m	250-500m	500-2000m
102	16.1	<u>BGS Boreholes</u>	0	3	21	-	-
Page	Section	Natural ground subsidence					
104	17.1	<u>Shrink swell clays</u>	Moderate (within 50m)				
105	17.2	<u>Running sands</u>	Very low (within 50m)				
106	17.3	<u>Compressible deposits</u>	Negligible (within 50m)				
107	17.4	<u>Collapsible deposits</u>	Very low (within 50m)				
108	17.5	<u>Landslides</u>	Very low (within 50m)				
109	17.6	<u>Ground dissolution of soluble rocks</u>	Negligible (within 50m)				
Page	Section	Mining, ground workings and natural cavities	On site	0-50m	50-250m	250-500m	500-2000m
111	18.1	Natural cavities	0	0	0	0	-
112	18.2	<u>BritPits</u>	0	0	5	4	-
113	18.3	<u>Surface ground workings</u>	0	9	27	-	-
115	18.4	Underground workings	0	0	0	0	0
115	18.5	Historical Mineral Planning Areas	0	0	0	0	-



115	18.6	Non-coal mining	0	0	0	0	0
116	18.7	Mining cavities	0	0	0	0	0
116	18.8	JPB mining areas	None (within 0m)				
116	18.9	Coal mining	None (within 0m)				
116	18.10	Brine areas	None (within 0m)				
116	18.11	Gypsum areas	None (within 0m)				
117	18.12	Tin mining	None (within 0m)				
117	18.13	Clay mining	None (within 0m)				
Page	Section	Radon					
<u>118</u>	<u>19.1</u>	<u>Radon</u>	Less than 1% (within 0m)				
Page	Section	Soil chemistry	On site	0-50m	50-250m	250-500m	500-2000m
<u>119</u>	<u>20.1</u>	<u>BGS Estimated Background Soil Chemistry</u>	12	6	-	-	-
120	20.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
120	20.3	BGS Measured Urban Soil Chemistry	0	0	-	-	-
Page	Section	Railway infrastructure and projects	On site	0-50m	50-250m	250-500m	500-2000m
121	21.1	Underground railways (London)	0	0	0	-	-
121	21.2	Underground railways (Non-London)	0	0	0	-	-
121	21.3	Railway tunnels	0	0	0	-	-
121	21.4	Historical railway and tunnel features	0	0	0	-	-
121	21.5	Royal Mail tunnels	0	0	0	-	-
122	21.6	Historical railways	0	0	0	-	-
122	21.7	Railways	0	0	0	-	-
122	21.8	Crossrail 1	0	0	0	0	-
122	21.9	Crossrail 2	0	0	0	0	-
122	21.10	HS2	0	0	0	0	-



Recent aerial photograph



Aerial photography supplied by Getmapping PLC. © Copyright Getmapping PLC 2021. All Rights Reserved.

Capture Date: 05/04/2020

Site Area: 15.92ha



Recent site history - 2017 aerial photograph



Aerial photography supplied by Getmapping PLC. © Copyright Getmapping PLC 2021. All Rights Reserved.

Capture Date: 21/06/2017

Site Area: 15.92ha



Recent site history - 2013 aerial photograph



Aerial photography supplied by Getmapping PLC. © Copyright Getmapping PLC 2021. All Rights Reserved.

Capture Date: 03/06/2013

Site Area: 15.92ha



Recent site history - 2005 aerial photograph



Aerial photography supplied by Getmapping PLC. © Copyright Getmapping PLC 2021. All Rights Reserved.

Capture Date: 23/06/2005

Site Area: 15.92ha



Recent site history - 1999 aerial photograph



Aerial photography supplied by Getmapping PLC. © Copyright Getmapping PLC 2021. All Rights Reserved.

Capture Date: 04/09/1999

Site Area: 15.92ha



1 Past land use



© Crown copyright and database rights 2021. Ordnance Survey licence 100035207

- Site Outline
- Search buffers in metres (m)
- Historical industrial land uses
- Historical tanks
- Historical energy features
- Historical garages

1.1 Historical industrial land uses

Records within 500m

76

Potentially contaminative land use features digitised from historical Ordnance Survey mapping at 1:10,000 and 1:10,560 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on **page 13**

ID	Location	Land use	Dates present	Group ID
1	3m E	Cuttings	1987 - 1993	1895105



ID	Location	Land use	Dates present	Group ID
2	5m NW	Unspecified Depot	1987	1953708
A	19m N	Hospital	1957	1935070
A	20m N	Hospital	1987	1927748
3	21m N	Union Workhouse	1897	1876386
B	42m SW	Old Gravel Pits	1957	1915096
B	42m SW	Old Gravel Pits	1957	1940495
4	48m N	Cuttings	1987 - 1993	1935763
B	52m SW	Old Gravel Pits	1957	1925871
A	53m NW	Hospital	1957 - 1967	1962928
A	55m NW	Hospital	1977	1929020
C	64m E	Industrial Estates	1993	1860894
B	65m SW	Old Gravel Pits	1910	1948389
B	69m SW	Old Gravel Pit	1895 - 1897	1968985
B	70m SW	Refuse Heap	1868	1883971
B	75m SW	Gravel Pits	1957	1863519
A	77m NW	Hospital	1993	1964460
5	89m NW	Gravel Pits	1868	1863522
D	102m W	Old Sand Pit	1910	1882924
D	102m W	Unspecified Pit	1957	1933554
D	104m W	Unspecified Pit	1957	1891606
E	106m N	Unspecified Depot	1977	1947797
E	106m N	Unspecified Depot	1967	1961128
E	107m N	Unspecified Depot	1993	1964658
D	118m W	Sand Pit	1895 - 1897	1903882
6	119m W	Unspecified Disused Pit	1987 - 1993	1931176
F	136m SW	Gravel Pit	1910	1871303
F	166m SW	Gravel Pits	1957	1863520
G	167m N	Hospital	1897	1902711



ID	Location	Land use	Dates present	Group ID
G	168m N	Hospital	1895	1887772
H	176m W	Refuse Heap	1895 - 1897	1934849
H	178m W	Gravel Pit	1910	1871305
H	179m W	Gravel Pits	1868	1863521
I	185m W	Unspecified Workhouse	1910	1923894
H	187m NW	Sand Pit	1897	1956042
H	188m NW	Sand Pit	1910	1927310
I	189m W	Unspecified Workhouse	1868	1948512
H	190m NW	Sand Pit	1895	1961222
G	202m N	Isolation Hospital	1910	1870300
L	239m W	Gravel Pits	1897	1938130
L	241m W	Unspecified Pit	1895	1876831
L	244m W	Gravel Pits	1868	1894692
M	253m W	Gravel Pits	1895	1925113
9	255m SW	Gravel Pits	1897	1863518
M	259m SW	Unspecified Pit	1910	1876830
L	266m W	Old Gravel Pit	1910	1873862
O	304m SW	Gravel Pit	1957	1935707
C	306m E	Unspecified Depot	1993	1861917
O	306m S	Gravel Pit	1957	1934448
P	308m SW	Gravel Pit	1910	1935267
P	310m SW	Gravel Pits	1895 - 1897	1943960
P	313m SW	Unspecified Pit	1987 - 1993	1935298
P	313m SW	Unspecified Pit	1967 - 1977	1945783
10	315m W	Gravel Pit	1910	1871304
R	335m NW	Cemetery	1957	1919740
R	336m NW	Cemetery	1910	1908159
R	336m NW	Cemetery	1895 - 1897	1906575



ID	Location	Land use	Dates present	Group ID
R	339m NW	Cemetery	1957 - 1977	1926093
R	339m NW	Cemetery	1987 - 1993	1956943
T	362m SW	Unspecified Tank	1987 - 1993	1885075
T	362m SW	Unspecified Tank	1977	1894672
14	368m E	Industrial Estate	1987	1866177
U	368m NW	Unspecified Pit	1868	1876832
Q	369m SE	Unspecified Tank	1993	1857247
15	373m N	Cuttings	1987 - 1993	1953229
17	378m NW	Nurseries	1967	1874865
V	384m E	Industrial Estate	1987	1866178
U	418m NW	Unspecified Kiln	1868	1859737
18	441m SE	Cuttings	1987 - 1993	1910931
W	458m NW	Police Station	1987 - 1993	1909787
W	458m NW	Police Station	1977	1956548
X	461m W	Refuse Heap	1868	1883966
19	467m E	Nursery	1967 - 1977	1889248
Y	478m E	Unspecified Works	1967	1901256
Y	478m E	Unspecified Works	1987	1915211
Y	478m E	Unspecified Works	1977	1927862

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m

10

Tank features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on **page 13**



ID	Location	Land use	Dates present	Group ID
E	193m N	Unspecified Tank	1979 - 1995	323183
J	197m NW	Unspecified Tank	1979	313359
J	199m NW	Unspecified Tank	1965	314082
E	235m N	Unspecified Tank	1961 - 1965	322601
E	237m N	Unspecified Tank	1979	321631
I	325m N	Tanks	1971 - 1993	326479
I	327m N	Tanks	1979	311264
Q	366m SE	Unspecified Tank	1995	312951
C	425m E	Unspecified Tank	1995	328313
20	471m NW	Unspecified Tank	1940	302901

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m

21

Energy features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on **page 13**

ID	Location	Land use	Dates present	Group ID
K	216m E	Electricity Substation	1996	188303
8	223m NW	Electricity Substation	1979 - 1995	201183
K	245m E	Electricity Substation	1965 - 1986	195988
N	298m N	Electricity Substation	1979 - 1995	209200
N	298m N	Electricity Substation	1979	188308
Q	334m SE	Electricity Substation	1993	188294
S	341m N	Electricity Substation	1979	188309
S	343m N	Electricity Substation	1983 - 1993	199118



ID	Location	Land use	Dates present	Group ID
S	345m N	Electricity Substation	1984	188310
11	349m E	Electricity Substation	1992	188293
12	351m SE	Electricity Substation	1993	188302
13	367m SE	Electricity Substation	1993	188297
16	376m E	Gas Governor	1992	191810
W	461m NW	Gas Governor	1993	191811
W	475m NW	Electricity Substation	1970	188306
21	476m E	Electricity Substation	1992	188307
X	479m W	Electricity Substation	1970 - 1993	199405
22	482m NW	Electricity Substation	1971 - 1993	195718
W	483m NW	Electricity Substation	1993	188305
V	488m E	Electricity Substation	1986 - 1992	201279
23	496m E	Electricity Substation	1995	201034

This data is sourced from Ordnance Survey / Groundsure.

1.4 Historical petrol stations

Records within 500m

0

Petrol stations digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

This data is sourced from Ordnance Survey / Groundsure.

1.5 Historical garages

Records within 500m

1

Garages digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.



Features are displayed on the Past land use map on **page 13**

ID	Location	Land use	Dates present	Group ID
7	134m W	Garage	1979 - 1995	64245

This data is sourced from Ordnance Survey / Groundsure.

1.6 Historical military land

Records within 500m

0

Areas of military land digitised from multiple sources including the National Archives, local records, MOD records and verified other sources, intelligently grouped into contiguous features.

This data is sourced from Ordnance Survey / Groundsure / other sources.



2 Past land use - un-grouped



© Crown copyright and database rights 2021. Ordnance Survey licence 100035207

- Site Outline
- Search buffers in metres (m)
- Historical industrial land uses
- Historical tanks
- Historical energy features
- Historical garages

2.1 Historical industrial land uses

Records within 500m

100

Potentially contaminative land use features digitised from historical Ordnance Survey mapping at 1:10,000 and 10,560 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on **page 20**

ID	Location	Land Use	Date	Group ID
A	3m E	Cuttings	1993	1895105
A	3m E	Cuttings	1987	1895105
1	5m NW	Unspecified Depot	1987	1953708



ID	Location	Land Use	Date	Group ID
B	19m N	Hospital	1957	1935070
B	20m N	Hospital	1987	1927748
2	21m N	Union Workhouse	1897	1876386
C	42m SW	Old Gravel Pits	1957	1915096
C	42m SW	Old Gravel Pits	1957	1915096
C	42m SW	Old Gravel Pits	1957	1940495
D	48m N	Cuttings	1993	1935763
D	48m N	Cuttings	1987	1935763
C	52m SW	Old Gravel Pits	1957	1925871
B	53m NW	Hospital	1967	1962928
B	55m NW	Hospital	1977	1929020
E	64m E	Industrial Estates	1993	1860894
C	65m SW	Old Gravel Pits	1910	1948389
C	69m SW	Old Gravel Pit	1897	1968985
C	70m SW	Refuse Heap	1868	1883971
C	72m SW	Old Gravel Pit	1895	1968985
C	75m SW	Gravel Pits	1957	1863519
B	77m NW	Hospital	1993	1964460
3	89m NW	Gravel Pits	1868	1863522
F	102m W	Old Sand Pit	1910	1882924
F	102m W	Unspecified Pit	1957	1933554
F	102m W	Unspecified Pit	1957	1933554
F	104m W	Unspecified Pit	1957	1891606
G	106m N	Unspecified Depot	1967	1961128
G	106m N	Unspecified Depot	1977	1947797
G	107m N	Unspecified Depot	1993	1964658
F	118m W	Sand Pit	1897	1903882
H	119m W	Unspecified Disused Pit	1993	1931176



ID	Location	Land Use	Date	Group ID
H	119m W	Unspecified Disused Pit	1987	1931176
F	123m W	Sand Pit	1895	1903882
J	136m SW	Gravel Pit	1910	1871303
J	166m SW	Gravel Pits	1957	1863520
K	167m N	Hospital	1897	1902711
K	168m N	Hospital	1895	1887772
L	176m W	Refuse Heap	1897	1934849
L	178m W	Refuse Heap	1895	1934849
L	178m W	Gravel Pit	1910	1871305
L	179m W	Gravel Pits	1868	1863521
M	185m W	Unspecified Workhouse	1910	1923894
L	187m NW	Sand Pit	1897	1956042
M	187m W	Hospital	1957	1962928
M	187m W	Hospital	1957	1962928
L	188m NW	Sand Pit	1910	1927310
M	189m W	Unspecified Workhouse	1868	1948512
L	190m NW	Sand Pit	1895	1961222
K	202m N	Isolation Hospital	1910	1870300
Q	239m W	Gravel Pits	1897	1938130
Q	241m W	Unspecified Pit	1895	1876831
Q	244m W	Gravel Pits	1868	1894692
R	253m W	Gravel Pits	1895	1925113
4	255m SW	Gravel Pits	1897	1863518
R	259m SW	Unspecified Pit	1910	1876830
Q	266m W	Old Gravel Pit	1910	1873862
T	304m SW	Gravel Pit	1957	1935707
T	304m SW	Gravel Pit	1957	1935707
E	306m E	Unspecified Depot	1993	1861917



ID	Location	Land Use	Date	Group ID
T	306m S	Gravel Pit	1957	1934448
U	308m SW	Gravel Pit	1910	1935267
U	310m SW	Gravel Pits	1897	1943960
U	310m SW	Gravel Pits	1895	1943960
U	313m SW	Unspecified Pit	1993	1935298
U	313m SW	Unspecified Pit	1967	1945783
U	313m SW	Unspecified Pit	1987	1935298
U	313m SW	Unspecified Pit	1977	1945783
5	315m W	Gravel Pit	1910	1871304
W	335m NW	Cemetery	1957	1919740
W	335m NW	Cemetery	1957	1919740
W	336m NW	Cemetery	1910	1908159
W	336m NW	Cemetery	1897	1906575
W	337m NW	Cemetery	1895	1906575
W	339m NW	Cemetery	1993	1956943
W	339m NW	Cemetery	1967	1926093
W	339m NW	Cemetery	1957	1926093
W	339m NW	Cemetery	1987	1956943
W	339m NW	Cemetery	1977	1926093
Y	362m SW	Unspecified Tank	1993	1885075
Y	362m SW	Unspecified Tank	1987	1885075
Y	362m SW	Unspecified Tank	1977	1894672
9	368m E	Industrial Estate	1987	1866177
Z	368m NW	Unspecified Pit	1868	1876832
V	369m SE	Unspecified Tank	1993	1857247
AA	373m N	Cuttings	1993	1953229
AA	373m N	Cuttings	1987	1953229
11	378m NW	Nurseries	1967	1874865



ID	Location	Land Use	Date	Group ID
AB	384m E	Industrial Estate	1987	1866178
Z	418m NW	Unspecified Kiln	1868	1859737
AC	441m SE	Cuttings	1993	1910931
AC	441m SE	Cuttings	1987	1910931
AD	458m NW	Police Station	1993	1909787
AD	458m NW	Police Station	1987	1909787
AD	458m NW	Police Station	1977	1956548
AE	461m W	Refuse Heap	1868	1883966
AF	467m E	Nursery	1967	1889248
AF	467m E	Nursery	1977	1889248
AG	478m E	Unspecified Works	1967	1901256
AG	478m E	Unspecified Works	1987	1915211
AG	478m E	Unspecified Works	1977	1927862

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m

17

Tank features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on **page 20**

ID	Location	Land Use	Date	Group ID
G	193m N	Unspecified Tank	1979	323183
G	194m N	Unspecified Tank	1995	323183
N	197m NW	Unspecified Tank	1979	313359
N	199m NW	Unspecified Tank	1965	314082
G	235m N	Unspecified Tank	1965	322601
G	236m N	Unspecified Tank	1961	322601
G	237m N	Unspecified Tank	1979	321631



ID	Location	Land Use	Date	Group ID
M	325m N	Tanks	1993	326479
M	326m N	Tanks	1979	326479
M	326m N	Tanks	1971	326479
M	326m N	Tanks	1989	326479
M	327m N	Tanks	1979	311264
V	366m SE	Unspecified Tank	1995	312951
V	366m SE	Unspecified Tank	1995	312951
E	425m E	Unspecified Tank	1995	328313
E	425m E	Unspecified Tank	1995	328313
12	471m NW	Unspecified Tank	1940	302901

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m

32

Energy features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on **page 20**

ID	Location	Land Use	Date	Group ID
O	216m E	Electricity Substation	1996	188303
P	223m NW	Electricity Substation	1979	201183
P	224m NW	Electricity Substation	1995	201183
O	245m E	Electricity Substation	1965	195988
O	249m E	Electricity Substation	1986	195988
S	298m N	Electricity Substation	1995	209200
S	298m N	Electricity Substation	1979	209200
S	298m N	Electricity Substation	1979	188308
V	334m SE	Electricity Substation	1993	188294
X	341m N	Electricity Substation	1979	188309



ID	Location	Land Use	Date	Group ID
X	343m N	Electricity Substation	1993	199118
X	343m N	Electricity Substation	1983	199118
X	343m N	Electricity Substation	1984	199118
X	345m N	Electricity Substation	1984	188310
6	349m E	Electricity Substation	1992	188293
7	351m SE	Electricity Substation	1993	188302
8	367m SE	Electricity Substation	1993	188297
10	376m E	Gas Governor	1992	191810
AD	461m NW	Gas Governor	1993	191811
AD	475m NW	Electricity Substation	1970	188306
13	476m E	Electricity Substation	1992	188307
AE	479m W	Electricity Substation	1993	199405
AE	479m W	Electricity Substation	1970	199405
AH	482m NW	Electricity Substation	1993	195718
AD	483m NW	Electricity Substation	1993	188305
AH	483m NW	Electricity Substation	1979	195718
AH	483m NW	Electricity Substation	1971	195718
AH	484m NW	Electricity Substation	1989	195718
AB	488m E	Electricity Substation	1992	201279
AB	490m E	Electricity Substation	1986	201279
AI	496m E	Electricity Substation	1995	201034
AI	496m E	Electricity Substation	1995	201034

This data is sourced from Ordnance Survey / Groundsure.

2.4 Historical petrol stations

Records within 500m

0

Petrol stations digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.



This data is sourced from Ordnance Survey / Groundsure.

2.5 Historical garages

Records within 500m

2

Garages digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on **page 20**

ID	Location	Land Use	Date	Group ID
I	134m W	Garage	1979	64245
I	140m W	Garage	1995	64245

This data is sourced from Ordnance Survey / Groundsure.



3 Waste and landfill



- Site Outline
- Search buffers in metres (m)
- Historical landfill (EA/NRW)
- Licensed waste sites
- Waste exemptions

3.1 Active or recent landfill

Records within 500m

0

Active or recently closed landfill sites under Environment Agency/Natural Resources Wales regulation.

This data is sourced from the Environment Agency and Natural Resources Wales.

3.2 Historical landfill (BGS records)

Records within 500m

0

Landfill sites identified on a survey carried out on behalf of the DoE in 1973. These sites may have been closed or operational at this time.

This data is sourced from the British Geological Survey.



3.3 Historical landfill (LA/mapping records)

Records within 500m

0

Landfill sites identified from Local Authority records and high detail historical mapping.

This data is sourced from the Ordnance Survey/Groundsure and Local Authority records.

3.4 Historical landfill (EA/NRW records)

Records within 500m

1

Known historical (closed) landfill sites (e.g. sites where there is no PPC permit or waste management licence currently in force). This includes sites that existed before the waste licensing regime and sites that have been licensed in the past but where a licence has been revoked, ceased to exist or surrendered and a certificate of completion has been issued.

Features are displayed on the Waste and landfill map on **page 28**

ID	Location	Details		
2	20m N	Site Address: Moorlands, Botley Road, West End Licence Holder Address: -	Waste Licence: - Site Reference: - Waste Type: - Environmental Permitting Regulations (Waste) Reference: - Licence Issue: - Licence Surrender: -	Operator: - Licence Holder: - First Recorded: - Last Recorded: -

This data is sourced from the Environment Agency and Natural Resources Wales.

3.5 Historical waste sites

Records within 500m

0

Waste site records derived from Local Authority planning records and high detail historical mapping.

This data is sourced from Ordnance Survey/Groundsure and Local Authority records.

3.6 Licensed waste sites

Records within 500m

4

Active or recently closed waste sites under Environment Agency/Natural Resources Wales regulation.

Features are displayed on the Waste and landfill map on **page 28**



ID	Location	Details		
1	On site	Site Name: Ageas Bowl Stadium Site Address: Marshall Drive, Southampton, Hampshire, SO30 3RS Correspondence Address: -	Type of Site: Deposit of waste to land as a recovery operation Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: TJT006 EPR reference: EA/EPR/EB3109UY/S002 Operator: T J Transport Limited Waste Management licence No: 403310 Annual Tonnage: 0	Issue Date: 27/06/2017 Effective Date: - Modified: - Surrendered Date: Nov 9 2018 12:00AM Expiry Date: - Cancelled Date: - Status: Surrendered
C	245m S	Site Name: Rose Bowl Site Address: Botley Road, West End, Southampton, SO30 3XH Correspondence Address: -	Type of Site: Deposit of waste to land as a recovery operation Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: HAR216 EPR reference: MP3793VR/A001 Operator: Harfield Bros (Contractors) Ltd Waste Management licence No: 101968 Annual Tonnage: 0	Issue Date: 15/02/2011 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
C	245m S	Site Name: Rose Bowl Site Address: Rose Bowl, Botley Road, West End, Southampton, Hampshire, SO30 3XH Correspondence Address: -	Type of Site: Deposit of waste to land as a recovery operation Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: KEL308 EPR reference: EA/EPR/ZP3398VH/S003 Operator: Keltbray Golf Environmental Limited Waste Management licence No: 101968 Annual Tonnage: 0	Issue Date: 15/02/2011 Effective Date: 29/06/2011 Modified: 09/02/2012 Surrendered Date: Aug 3 2017 12:00AM Expiry Date: - Cancelled Date: - Status: Surrendered



ID	Location	Details		
C	245m S	Site Name: Rose Bowl Site Address: Rose Bowl, Botley Road, West End, Southampton, Hampshire, SO30 3XH Correspondence Address: -	Type of Site: Deposit of waste to land as a recovery operation Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: KEL308 EPR reference: EA/EPR/ZP3398VH/S003 Operator: Keltbray Golf Environmental Limited Waste Management licence No: 101968 Annual Tonnage: 0	Issue Date: 15/02/2011 Effective Date: 29/06/2011 Modified: 09/02/2012 Surrendered Date: Aug 3 2017 12:00AM Expiry Date: - Cancelled Date: - Status: Surrendered

This data is sourced from the Environment Agency and Natural Resources Wales.

3.7 Waste exemptions

Records within 500m

25

Activities involving the storage, treatment, use or disposal of waste that are exempt from needing a permit. Exemptions have specific limits and conditions that must be adhered to.

Features are displayed on the Waste and landfill map on **page 28**

ID	Location	Site	Reference	Category	Sub-Category	Description
3	39m N	Keltbray Ltd The Rose Bowl Hedge End Hampshire SO30 3RS	EPR/AE5155W P/A001	Using waste exemption	Non-Agricultural Waste Only	Use of waste in construction
4	55m NE	THE AGEAS BOWL, BOTLEY ROAD, WEST END, SOUTHAMPTON, SO30 3XH	WEX254159	Using waste exemption	On a farm	Use of waste in construction
5	92m NW	THE AGEAS BOWL, BOTLEY ROAD, WEST END, SOUTHAMPTON, SO30 3XH	WEX088194	Using waste exemption	Not on a farm	Use of waste in construction
6	111m N	PITTER TRANSPORT BOTLEY ROAD GARAGE, BOTLEY ROAD, WEST END, SOUTHAMPTON, SO30 3HA	WEX162465	Using waste exemption	Not on a Farm	Use of waste in construction
A	202m W	-	WEX246337	Using waste exemption	Not on a farm	Use of waste in construction
B	206m NW	-	WEX263061	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal



ID	Location	Site	Reference	Category	Sub-Category	Description
B	206m NW	Tom Rudd Unit - Moorgreen Hospital, BOTLEY ROAD, WEST END, SOUTHAMPTON, SO30 3JB	WEX120876	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
A	208m W	UNIT 1 WESTWOOD, BOTLEY ROAD, WEST END, SOUTHAMPTON, SO303HA	WEX140004	Treating waste exemption	Not on a farm	Recovery of scrap metal
A	208m W	UNIT 1 WESTWOOD, BOTLEY ROAD, WEST END, SOUTHAMPTON, SO303HA	WEX140004	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
A	208m W	UNIT 1 WESTWOOD, BOTLEY ROAD, WEST END, SOUTHAMPTON, SO303HA	WEX140004	Storing waste exemption	Not on a farm	Storage of waste in a secure place
7	231m NW	Tom Rudd Unit - Moorgreen Hospital Botley Road Southampton Hampshire SO30 3JB	EPR/HF0605U G/A001	Treating waste exemption	Non- Agricultural Waste Only	Sorting and de-naturing of controlled drugs for disposal
8	253m N	Gully Copse Solar Farm Surrey	EPR/ME5844G G/A001	Using waste exemption	Non- Agricultural Waste Only	Use of waste in construction
D	253m NW	-	WEX239216	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
D	261m NW	Moorgreen Hospital, Botley Road, West End, Southampton, Hampshire, SO30 3JB	WEX159376	Treating waste exemption	Not on a Farm	Sorting and de-naturing of controlled drugs for disposal
9	375m N	MOORGREEN ROAD, WEST END, SOUTHAMPTON, SO30 3PY	WEX234039	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
E	448m E	Unit 8 Flanders Road Southampton Hampshire SO30 2QT	EPR/HF0303N N/A001	Treating waste exemption	Non- Agricultural Waste Only	Crushing waste fluorescent tubes
E	461m E	3 Unit 6 Flanders Road Southampton Hampshire SO30 2QT	EPR/NH0511R U/A001	Storing waste exemption	Non- Agricultural Waste Only	Storage of waste in secure containers
E	461m E	3 Unit 6 Flanders Road Southampton Hampshire SO30 2QT	EPR/NH0511R U/A001	Storing waste exemption	Non- Agricultural Waste Only	Storage of waste in a secure place
F	470m S	-	WEX240239	Treating waste exemption	Not on a farm	Screening and blending of waste



ID	Location	Site	Reference	Category	Sub-Category	Description
E	473m E	UNIT 8, WATERLOO INDUSTRIAL ESTATE, FLANDERS ROAD, HEDGE END, SOUTHAMPTON, SO30 2QT	WEX234527	Storing waste exemption	Not on a farm	Storage of waste in a secure place
E	473m E	UNIT 8, WATERLOO INDUSTRIAL ESTATE, FLANDERS ROAD, HEDGE END, SOUTHAMPTON, SO30 2QT	WEX090474	Storing waste exemption	Not on a farm	Storage of waste in a secure place
E	473m E	UNIT 8, WATERLOO INDUSTRIAL ESTATE, FLANDERS ROAD, HEDGE END, SOUTHAMPTON, SO30 2QT	WEX072359	Storing waste exemption	Not on a farm	Storage of waste in secure containers
E	475m E	Waterloo Industrial Estate Unit 8 Flanders Road SOUTHAMPTON SO30 2QT	EPR/SE5886N M/A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in a secure place
F	494m S	-	WEX227681	Using waste exemption	Not on a farm	Use of waste in construction
F	494m S	Land off Charles Watts Way	WEX261511	Using waste exemption	Not on a farm	Use of waste in construction

This data is sourced from the Environment Agency and Natural Resources Wales.



4 Current industrial land use



- Site Outline
- Search buffers in metres (m)
- Recent industrial land uses
- △ Current or recent petrol stations
- ◇ Part A(1) industrial activities
- ◆ Licensed pollutant release (Part A(2)/B)
- Licensed Discharges to controlled waters
- Pollutant release to public sewer
- Pollution Incidents (EA/NRW)

4.1 Recent industrial land uses

Records within 250m

28

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on **page 34**

ID	Location	Company	Address	Activity	Category
A	0m N	Gas Governor	Hampshire, SO30	Gas Features	Infrastructure and Facilities
1	19m SW	Electricity Sub Station	Hampshire, SO30	Electrical Features	Infrastructure and Facilities
B	34m NW	Electricity Sub Station	Hampshire, SO30	Electrical Features	Infrastructure and Facilities



ID	Location	Company	Address	Activity	Category
4	66m E	Pylon	Hampshire, SO30	Electrical Features	Infrastructure and Facilities
5	68m N	Electricity Sub Station	Hampshire, SO30	Electrical Features	Infrastructure and Facilities
8	82m NW	Electricity Sub Station	Hampshire, SO30	Electrical Features	Infrastructure and Facilities
9	90m W	Electricity Sub Station	Hampshire, SO30	Electrical Features	Infrastructure and Facilities
C	100m N	Pitter Transport	Botley Road, West End, Southampton, Hampshire, SO30 3HA	Distribution and Haulage	Transport, Storage and Delivery
10	118m W	Pit (Disused)	Hampshire, SO30	Unspecified Quarries Or Mines	Extractive Industries
11	138m NW	Electricity Sub Station	Hampshire, SO30	Electrical Features	Infrastructure and Facilities
C	144m N	Pitter Self Drive	Botley Road Garage, Botley Road, West End, Southampton, Hampshire, SO30 3HA	Vehicle Hire and Rental	Hire Services
C	153m N	Pitter Commercial s Ltd	Botley Road, West End, Southampton, Hampshire, SO30 3HA	New Vehicles	Motoring
C	168m N	Princess Coaches	Botley Road, West End, Southampton, Hampshire, SO30 3HA	Vehicle Hire and Rental	Hire Services
C	174m N	Pitter Self Drive	16, Botley Road, West End, Southampton, Hampshire, SO30 3HA	Vehicle Hire and Rental	Hire Services
C	176m NW	Electricity Sub Station	Hampshire, SO30	Electrical Features	Infrastructure and Facilities
D	177m NE	S P I Lazars	Unit 3, Wellington Park, Hedge End, Southampton, Hampshire, SO30 2QU	Cutting, Drilling and Welding Services	Construction Services
E	182m E	Pylon	Hampshire, SO30	Electrical Features	Infrastructure and Facilities
16	192m W	Cleangreen Stoves	36, Telegraph Road, West End, Southampton, Hampshire, SO30 3EX	Cookers and Stoves - Non Electrical	Consumer Products
F	193m N	Tank	Hampshire, SO30	Tanks (Generic)	Industrial Features
17	201m SE	Pylon	Hampshire, SO30	Electrical Features	Infrastructure and Facilities
F	204m N	Coliseum Coaches	Botley Road, West End, Southampton, Hampshire, SO30 3JA	Vehicle Hire and Rental	Hire Services



ID	Location	Company	Address	Activity	Category
G	209m E	Pylon	Hampshire, SO30	Electrical Features	Infrastructure and Facilities
18	213m NE	International Paint Ltd	Unit 1, Wellington Park, Hedge End, Southampton, Hampshire, SO30 2QU	Paints, Varnishes and Lacquers	Industrial Products
G	213m E	Electricity Sub Station	Hampshire, SO30	Electrical Features	Infrastructure and Facilities
E	220m E	Electricity Sub Station	Hampshire, SO30	Electrical Features	Infrastructure and Facilities
19	231m NW	Electricity Sub Station	Hampshire, SO30	Electrical Features	Infrastructure and Facilities
20	232m NW	Moorgreen Hospital	Botley Road, West End, Southampton, Hampshire, SO30 3JB	Hospitals	Health Practitioners and Establishments
G	237m E	Bensons for Beds	Unit 1b Centre Retail Park, Tollbar Way, Hedge End, Southampton, Hampshire, SO30 2QY	Furniture	Consumer Products

This data is sourced from Ordnance Survey.

4.2 Current or recent petrol stations

Records within 500m

1

Open, closed, under development and obsolete petrol stations.

Features are displayed on the Current industrial land use map on **page 34**

ID	Location	Company	Address	LPG	Status
B	25m NE	OBSOLETE	Botley Road, West End, Southampton, Hampshire, SO30 3JB	Not Applicable	Obsolete

This data is sourced from Experian.

4.3 Electricity cables

Records within 500m

0

High voltage underground electricity transmission cables.

This data is sourced from National Grid.



4.4 Gas pipelines

Records within 500m	0
---------------------	---

High pressure underground gas transmission pipelines.

This data is sourced from National Grid.

4.5 Sites determined as Contaminated Land

Records within 500m	0
---------------------	---

Contaminated Land Register of sites designated under Part 2a of the Environmental Protection Act 1990.

This data is sourced from Local Authority records.

4.6 Control of Major Accident Hazards (COMAH)

Records within 500m	0
---------------------	---

Control of Major Accident Hazards (COMAH) sites. This data includes upper and lower tier sites, and includes a historical archive of COMAH sites and Notification of Installations Handling Hazardous Substances (NIHHS) records.

This data is sourced from the Health and Safety Executive.

4.7 Regulated explosive sites

Records within 500m	0
---------------------	---

Sites registered and licensed by the Health and Safety Executive under the Manufacture and Storage of Explosives Regulations 2005 (MSER). The last update to this data was in April 2011.

This data is sourced from the Health and Safety Executive.

4.8 Hazardous substance storage/usage

Records within 500m	0
---------------------	---

Consents granted for a site to hold certain quantities of hazardous substances at or above defined limits in accordance with the Planning (Hazardous Substances) Regulations 2015.

This data is sourced from Local Authority records.

4.9 Historical licensed industrial activities (IPC)

Records within 500m

0

Integrated Pollution Control (IPC) records of substance releases to air, land and water. This data represents a historical archive as the IPC regime has been superseded.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.10 Licensed industrial activities (Part A(1))

Records within 500m

2

Records of Part A(1) installations regulated under the Environmental Permitting (England and Wales) Regulations 2016 for the release of substances to the environment.

Features are displayed on the Current industrial land use map on **page 34**

ID	Location	Details	
13	159m E	Operator: SOUTHAMPTON PHOTONICS LTD Installation Name: - Process: GLASS & GLASS FIBRE; GLASS FIBRE MANUFACTURE Permit Number: BK3999 Original Permit Number: BK3999	EPR Reference: - Issue Date: 26/10/2001 Effective Date: 26/10/2001 Last date noted as effective: 01/10/2004 Status: SUPERSEDED BY PAS
D	171m NE	Operator: SPI LASERS Installation Name: SOUTHAMPTON PHOTONICS FIBRE PLANT Process: GLASS AND GLASS FIBRE; GLASS FIBRE MANUFACTURE Permit Number: BK3999IB Original Permit Number: BK3999IB	EPR Reference: - Issue Date: 26/10/2001 Effective Date: 26/10/2001 Last date noted as effective: 01/04/2013 Status: EFFECTIVE

This data is sourced from the Environment Agency and Natural Resources Wales.

4.11 Licensed pollutant release (Part A(2)/B)

Records within 500m

2

Records of Part A(2) and Part B installations regulated under the Environmental Permitting (England and Wales) Regulations 2016 for the release of substances to the environment.

Features are displayed on the Current industrial land use map on **page 34**



ID	Location	Address	Details	
15	173m W	Moorgreen Service Station, Botley Road, West End, Southampton, SO30 3HA	Process: Petrol Vapour Recovery Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
33	486m E	Pcs Powders Ltd, Unit 3 Waterloo Industrial Estate, Flanders Road, Hedge End, SO30 2QT	Process: Manufacture of Coating Materials Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified

This data is sourced from Local Authority records.

4.12 Radioactive Substance Authorisations

Records within 500m	0
----------------------------	----------

Records of the storage, use, accumulation and disposal of radioactive substances regulated under the Radioactive Substances Act 1993.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.13 Licensed Discharges to controlled waters

Records within 500m	30
----------------------------	-----------

Discharges of treated or untreated effluent to controlled waters under the Water Resources Act 1991.

Features are displayed on the Current industrial land use map on **page 34**

ID	Location	Address	Details	
A	On site	HICKLEY FARM, HICKLEY FARM, BOTLEY ROAD, WEST END, SOUTHAMPTON HAMPSHIRE	Effluent Type: UNSPECIFIED Permit Number: H01247 Permit Version: 1 Receiving Water: FRESHWATER RIVER	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 30/06/1966 Effective Date: 30/06/1966 Revocation Date: 01/07/1991
2	26m E	BOTLEY ROAD, BOTLEY ROAD, WEST END HAMPSHIRE	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: N01185 Permit Version: 1 Receiving Water: FRESHWATER RIVER	Status: LAPSED UNDER SCHEDULE 23 ENVIRONMENT ACT 1995 Issue date: 08/12/1981 Effective Date: 08/12/1981 Revocation Date: 31/03/1997



ID	Location	Address	Details	
3	43m SW	ALTON WASTEWATER TREATMENT WORKS, MILL LANE, ., ALTON, HAMPSHIRE, GU34 2QH	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: CTCP.0053 Permit Version: 1 Receiving Water: CAKER STREAM	Status: REVOKED - UNSPECIFIED Issue date: 31/12/1962 Effective Date: 31/01/1985 Revocation Date: 05/02/1988
7	73m NE	TWO COTTAGES & WESTEND FARM, UPPER, TWO COTTAGES & WESTEND FARM UPP, ER FROYLE HANTS	Effluent Type: AGRICULTURE - FISH FARMING - NOT WATER COMPANY Permit Number: CTCP.0443 Permit Version: 1 Receiving Water: R WEY (NORTHERN ARM)	Status: REVOKED - UNSPECIFIED Issue date: 16/11/1964 Effective Date: 16/11/1964 Revocation Date: 27/08/1991
12	159m N	HOLTWOOD FARM & FARM HOUSE, HOLT PO, HOLTWOOD FARM & FARM HOUSE HOLT, POUND HANTS	Effluent Type: AGRICULTURE - FISH FARMING - NOT WATER COMPANY Permit Number: CTCP.0174 Permit Version: 1 Receiving Water: R WEY	Status: REVOKED - UNSPECIFIED Issue date: 27/08/1963 Effective Date: 27/08/1963 Revocation Date: 20/08/1990
14	162m SW	PREMISES, 44 HIGH ST, ALTON, HANTS, PREMISES 44 HIGH ST ALTON HAN, TS	Effluent Type: TRADE DISCHARGES - COOLING WATER Permit Number: CTRC.0565 Permit Version: 1 Receiving Water: WEY	Status: REVOKED - UNSPECIFIED Issue date: 22/11/1962 Effective Date: 22/11/1962 Revocation Date: 27/01/1987
21	268m SE	HAMPSHIRE BUSINESS PARK, HAMPSHIRE BUSINESS PARK, BOTLEY ROAD, HEDGE END, SOUTHAMPTON HAMPSHIRE	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: P01740 Permit Version: 1 Receiving Water: FRESHWATER RIVER	Status: LAPSED UNDER SCHEDULE 23 ENVIRONMENT ACT 1995 Issue date: 15/06/1988 Effective Date: 15/06/1988 Revocation Date: 31/03/1997
22	294m SE	BORDON WASTEWATER TREATMENT WORKS, CANES LANE, ., BORDON, HAMPSHIRE, GU35 0RP	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: CTCP.0151 Permit Version: 1 Receiving Water: R WEY	Status: REVOKED - UNSPECIFIED Issue date: 01/07/1963 Effective Date: 01/07/1963 Revocation Date: 15/01/1986
23	314m E	HAMPSHIRE BUSINESS PARK, HAMPSHIRE BUSINESS PARK, BOTLEY ROAD, HEDGE END, SOUTHAMPTON HAMPSHIRE	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: P01740 Permit Version: 1 Receiving Water: FRESHWATER RIVER	Status: LAPSED UNDER SCHEDULE 23 ENVIRONMENT ACT 1995 Issue date: 15/06/1988 Effective Date: 15/06/1988 Revocation Date: 31/03/1997



ID	Location	Address	Details	
24	317m S	STW, HEADLEYWOOD FARM, LINSTEAD LAN, STW HEADLEYWOOD FARM LINSTEAD, LANE HEADLEY HANTS	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: CTCP.0407 Permit Version: 1 Receiving Water: RIVER WEY (SOUTHERN ARM)	Status: TRANSFERRED FROM R(PP)A 1951-1961 Issue date: 24/07/1964 Effective Date: 24/07/1964 Revocation Date: 29/10/1991
25	330m N	MOORGREEN HOSPITAL, MOORGREEN HOSPITAL, BOTLEY ROAD WEST END, SOUTHAMPTON, HAMPSHIRE, SO30 3JB	Effluent Type: SEWAGE DISCHARGES - UNSPECIFIED - NOT WATER COMPANY Permit Number: H01536 Permit Version: 1 Receiving Water: FRESHWATER RIVER	Status: REVOKED UNDER EPR 2010 Issue date: 18/01/1963 Effective Date: 18/01/1963 Revocation Date: 05/10/2017
26	352m SE	HAMPSHIRE BUSINESS PARK, HAMPSHIRE BUSINESS PARK, BOTLEY ROAD, HEDGE END, SOUTHAMPTON HAMPSHIRE	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: P01740 Permit Version: 1 Receiving Water: FRESHWATER RIVER	Status: LAPSED UNDER SCHEDULE 23 ENVIRONMENT ACT 1995 Issue date: 15/06/1988 Effective Date: 15/06/1988 Revocation Date: 31/03/1997
27	380m N	MOORLANDS, MOORLANDS, MOOR GREEN, WEST END HAMPSHIRE	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: N01180 Permit Version: 1 Receiving Water: FRESHWATER RIVER	Status: LAPSED UNDER SCHEDULE 23 ENVIRONMENT ACT 1995 Issue date: 08/12/1981 Effective Date: 08/12/1981 Revocation Date: 31/03/1997
28	401m S	ALBURY FARM, BLACKMOOR, HANTS, ALBURY FARM BLACKMOOR HANTS	Effluent Type: AGRICULTURE - FISH FARMING - NOT WATER COMPANY Permit Number: CTCP.0360 Permit Version: 1 Receiving Water: TRIB OF OAKHANGER STREAM	Status: REVOKED - UNSPECIFIED Issue date: 19/05/1964 Effective Date: 19/05/1964 Revocation Date: 02/08/1990
H	402m SE	HAMPSHIRE BUSINESS PARK, HAMPSHIRE BUSINESS PARK, BOTLEY ROAD, HEDGE END, SOUTHAMPTON HAMPSHIRE	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: P01740 Permit Version: 1 Receiving Water: FRESHWATER RIVER	Status: LAPSED UNDER SCHEDULE 23 ENVIRONMENT ACT 1995 Issue date: 15/06/1988 Effective Date: 15/06/1988 Revocation Date: 31/03/1997
29	403m SE	STW, STANDFORD GRANGE FARM, STANDFO, STW STANDFORD GRANGE FARM STAN, DFORD BORDON HANTS	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: CTCR.0692 Permit Version: 1 Receiving Water: TRIB OF WEY	Status: REVOKED - UNSPECIFIED Issue date: 17/04/1964 Effective Date: 17/04/1964 Revocation Date: 19/02/1991



ID	Location	Address	Details	
H	415m E	HAMPSHIRE BUSINESS PARK, HAMPSHIRE BUSINESS PARK, BOTLEY ROAD, HEDGE END, SOUTHAMPTON HAMPSHIRE	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: P01740 Permit Version: 1 Receiving Water: FRESHWATER RIVER	Status: LAPSED UNDER SCHEDULE 23 ENVIRONMENT ACT 1995 Issue date: 15/06/1988 Effective Date: 15/06/1988 Revocation Date: 31/03/1997
30	422m S	STW, THORNFIELD ROAD, HEADLEY, HANT, STW THORNFIELD ROAD HEADLEY H, ANTS	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: CTR.0631 Permit Version: 1 Receiving Water: TRIB OF ENBORNE	Status: REVOKED - UNSPECIFIED Issue date: 16/08/1963 Effective Date: 16/08/1963 Revocation Date: 13/01/1992
I	457m SW	SELBORNE WASTEWATER TREATMENT WORKS, SELBORNE, ALTON, HAMPSHIRE, GU34 3JN	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: CTR.0742 Permit Version: 1 Receiving Water: OAKHANGER STREAM	Status: VARIED BY APPLICATION - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 17/12/1964 Effective Date: 31/01/1985 Revocation Date: 05/09/1991
I	457m SW	SELBORNE WASTEWATER TREATMENT WORKS, SELBORNE, ALTON, HAMPSHIRE, GU34 3JN	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: CTR.0742 Permit Version: 2 Receiving Water: OAKHANGER STREAM	Status: VARIED BY APPLICATION - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 17/12/1964 Effective Date: 06/09/1991 Revocation Date: 30/03/2005
I	457m SW	SELBORNE WASTEWATER TREATMENT WORKS, SELBORNE, ALTON, HAMPSHIRE, GU34 3JN	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: CTR.0742 Permit Version: 4 Receiving Water: OAKHANGER STREAM	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 31/03/2005 Effective Date: 31/03/2005 Revocation Date: 29/06/2005
31	460m N	MOOR GREEN DAIRY FARM, MOOR GREEN DAIRY FARM, WEST END, SOUTHAMPTON, HAMPSHIRE	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: N01288 Permit Version: 1 Receiving Water: FRESHWATER RIVER	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: 01/04/1991 Effective Date: 01/04/1991 Revocation Date: 17/02/1998
J	465m SE	HAMPSHIRE BUSINESS PARK, HAMPSHIRE BUSINESS PARK, BOTLEY ROAD HEDGE END, SOUTHAMPTON, HAMPSHIRE	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: P01741 Permit Version: 1 Receiving Water: FRESHWATER RIVER	Status: LAPSED UNDER SCHEDULE 23 ENVIRONMENT ACT 1995 Issue date: 15/06/1988 Effective Date: 15/06/1988 Revocation Date: 31/03/1997



ID	Location	Address	Details	
J	471m SE	HAMPSHIRE BUSINESS PARK, HAMPSHIRE BUSINESS PARK, BOTLEY ROAD HEDGE END, SOUTHAMPTON, HAMPSHIRE	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: P01741 Permit Version: 1 Receiving Water: FRESHWATER RIVER	Status: LAPSED UNDER SCHEDULE 23 ENVIRONMENT ACT 1995 Issue date: 15/06/1988 Effective Date: 15/06/1988 Revocation Date: 31/03/1997
J	471m SE	HAMPSHIRE BUSINESS PARK, HAMPSHIRE BUSINESS PARK, BOTLEY ROAD HEDGE END, SOUTHAMPTON, HAMPSHIRE	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: P01741 Permit Version: 1 Receiving Water: FRESHWATER RIVER	Status: LAPSED UNDER SCHEDULE 23 ENVIRONMENT ACT 1995 Issue date: 15/06/1988 Effective Date: 15/06/1988 Revocation Date: 31/03/1997
J	474m SE	HAMPSHIRE BUSINESS PARK, HAMPSHIRE BUSINESS PARK, BOTLEY ROAD HEDGE END, SOUTHAMPTON, HAMPSHIRE	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: P01741 Permit Version: 1 Receiving Water: FRESHWATER RIVER	Status: LAPSED UNDER SCHEDULE 23 ENVIRONMENT ACT 1995 Issue date: 15/06/1988 Effective Date: 15/06/1988 Revocation Date: 31/03/1997
J	480m SE	HAMPSHIRE BUSINESS PARK, HAMPSHIRE BUSINESS PARK, BOTLEY ROAD HEDGE END, SOUTHAMPTON, HAMPSHIRE	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: P01741 Permit Version: 1 Receiving Water: FRESHWATER RIVER	Status: LAPSED UNDER SCHEDULE 23 ENVIRONMENT ACT 1995 Issue date: 15/06/1988 Effective Date: 15/06/1988 Revocation Date: 31/03/1997
32	482m E	HAMPSHIRE BUSINESS PARK, HAMPSHIRE BUSINESS PARK, BOTLEY ROAD, HEDGE END, SOUTHAMPTON HAMPSHIRE	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: P01740 Permit Version: 1 Receiving Water: FRESHWATER RIVER	Status: LAPSED UNDER SCHEDULE 23 ENVIRONMENT ACT 1995 Issue date: 15/06/1988 Effective Date: 15/06/1988 Revocation Date: 31/03/1997
J	488m SE	HAMPSHIRE BUSINESS PARK, HAMPSHIRE BUSINESS PARK, BOTLEY ROAD HEDGE END, SOUTHAMPTON, HAMPSHIRE	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: P01741 Permit Version: 1 Receiving Water: FRESHWATER RIVER	Status: LAPSED UNDER SCHEDULE 23 ENVIRONMENT ACT 1995 Issue date: 15/06/1988 Effective Date: 15/06/1988 Revocation Date: 31/03/1997
34	499m SE	HATCH FARM, STANDFORD, HANTS, HATCH FARM STANDFORD HANTS	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: CTCP.0477 Permit Version: 1 Receiving Water: DITCH TRIB OF R WEY (SOUTHERN	Status: REVOKED - UNSPECIFIED Issue date: 11/03/1965 Effective Date: 11/03/1965 Revocation Date: 22/05/1991

This data is sourced from the Environment Agency and Natural Resources Wales.



4.14 Pollutant release to surface waters (Red List)

Records within 500m

0

Discharges of specified substances under the Environmental Protection (Prescribed Processes and Substances) Regulations 1991.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.15 Pollutant release to public sewer

Records within 500m

1

Discharges of Special Category Effluents to the public sewer.

Features are displayed on the Current industrial land use map on **page 34**

ID	Location	Address	Details	
6	71m E	GBM PLATING SERVICES LTD, UNIT 8 KINGSLEY BUSINESS PARK, UNIT 8 KINGSLEY BUSINESS PARK, KINGSLEY, HAMPSHIRE, GU35 9LY	Permission reference: CB4159 Local Authority: EAST HAMPSHIRE DISTRICT COUNCIL First received date: 02/07/2007	Last received date: 01/01/2018 Status: DEAD (POST DETERMINATION)

This data is sourced from the Environment Agency and Natural Resources Wales.

4.16 List 1 Dangerous Substances

Records within 500m

0

Discharges of substances identified on List I of European Directive E 2006/11/EC, and regulated under the Environmental Damage (Prevention and Remediation) Regulations 2015.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.17 List 2 Dangerous Substances

Records within 500m

0

Discharges of substances identified on List II of European Directive E 2006/11/EC, and regulated under the Environmental Damage (Prevention and Remediation) Regulations 2015.

This data is sourced from the Environment Agency and Natural Resources Wales.



4.18 Pollution Incidents (EA/NRW)

Records within 500m

1

Records of substantiated pollution incidents. Since 2006 this data has only included category 1 (major) and 2 (significant) pollution incidents.

Features are displayed on the Current industrial land use map on **page 34**

ID	Location	Details	
J	476m SE	Incident Date: 16/12/2003 Incident Identification: 206952 Pollutant: General Biodegradable Materials and Wastes Pollutant Description: Food and Drink	Water Impact: Category 2 (Significant) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)

This data is sourced from the Environment Agency and Natural Resources Wales.

4.19 Pollution inventory substances

Records within 500m

0

The pollution inventory (substances) includes reporting on annual emissions of certain regulated substances to air, controlled waters and land. A reporting threshold for each substance is also included. Where emissions fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.

This data is sourced from the Environment Agency and the Scottish Environment Protection Agency.

4.20 Pollution inventory waste transfers

Records within 500m

0

The pollution inventory (waste transfers) includes reporting on annual transfers and recovery/disposal of controlled wastes from a site. A reporting threshold for each waste type is also included. Where releases fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.

This data is sourced from the Environment Agency and the Scottish Environment Protection Agency.

4.21 Pollution inventory radioactive waste

Records within 500m

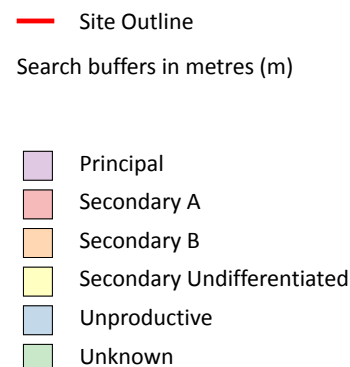
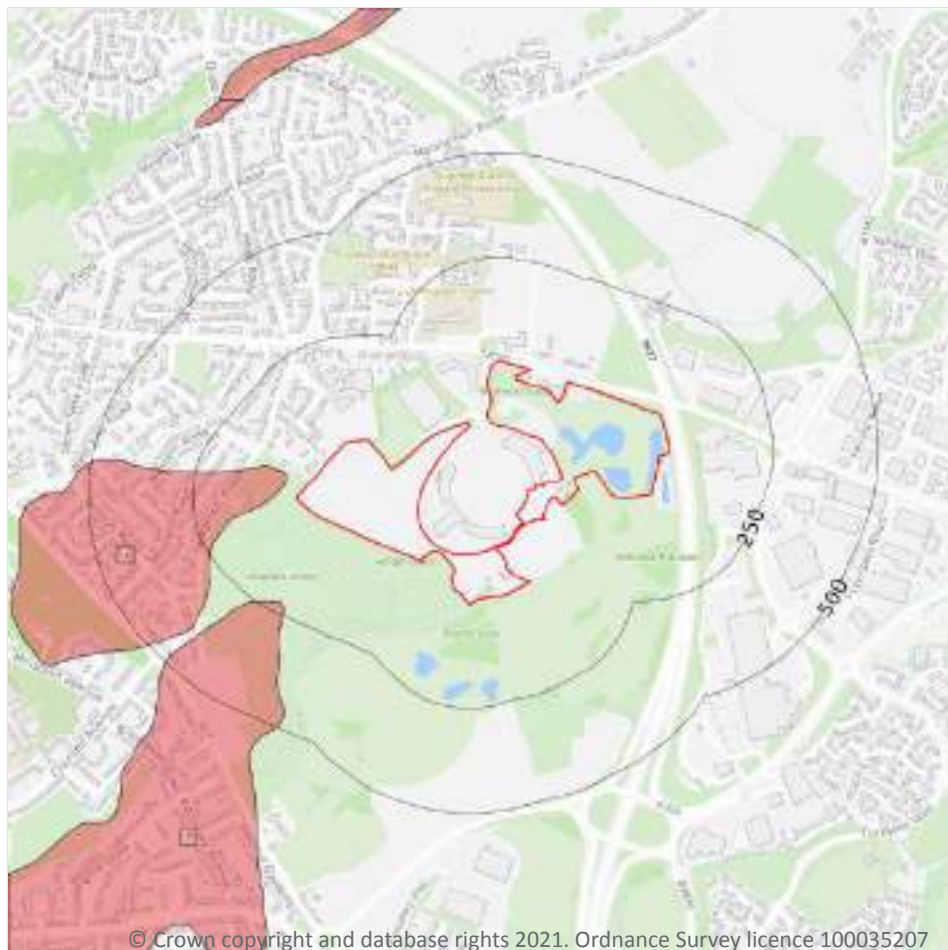
0

The pollution inventory (radioactive wastes) includes reporting on annual releases of radioactive substances from a site, including the means of release. Where releases fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.

This data is sourced from the Environment Agency and the Scottish Environment Protection Agency.



5 Hydrogeology - Superficial aquifer



5.1 Superficial aquifer

Records within 500m

2

Aquifer status of groundwater held within superficial geology.

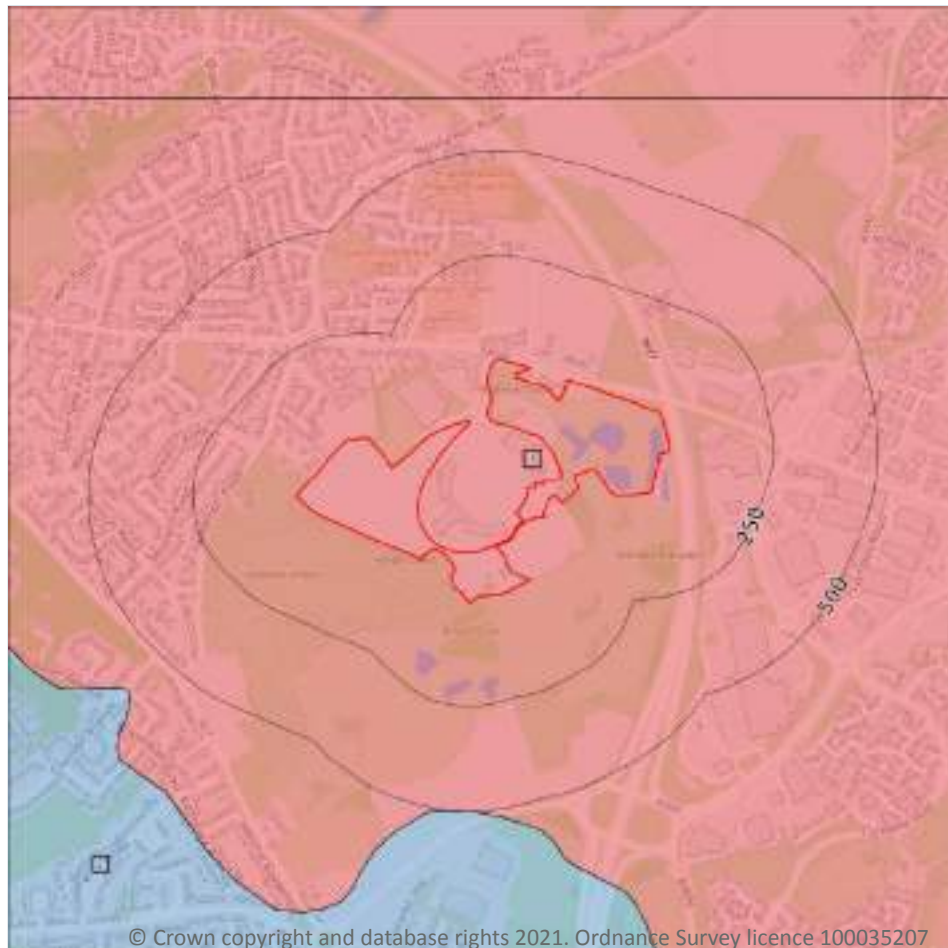
Features are displayed on the Hydrogeology map on **page 47**

ID	Location	Designation	Description
1	43m NW	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
2	222m SW	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers

This data is sourced from the British Geological Survey, the Environment Agency and Natural Resources Wales.



Bedrock aquifer



- Site Outline
- Search buffers in metres (m)
- Principal
 - Secondary A
 - Secondary B
 - Secondary Undifferentiated
 - Unproductive

5.2 Bedrock aquifer

Records within 500m

2

Aquifer status of groundwater held within bedrock geology.

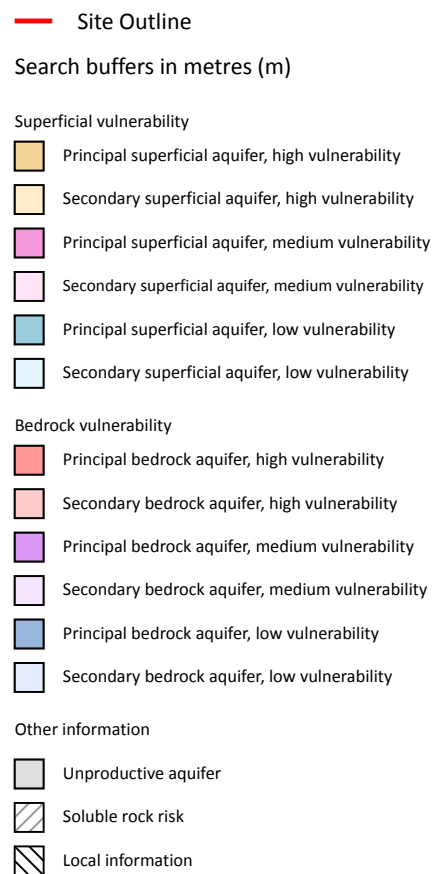
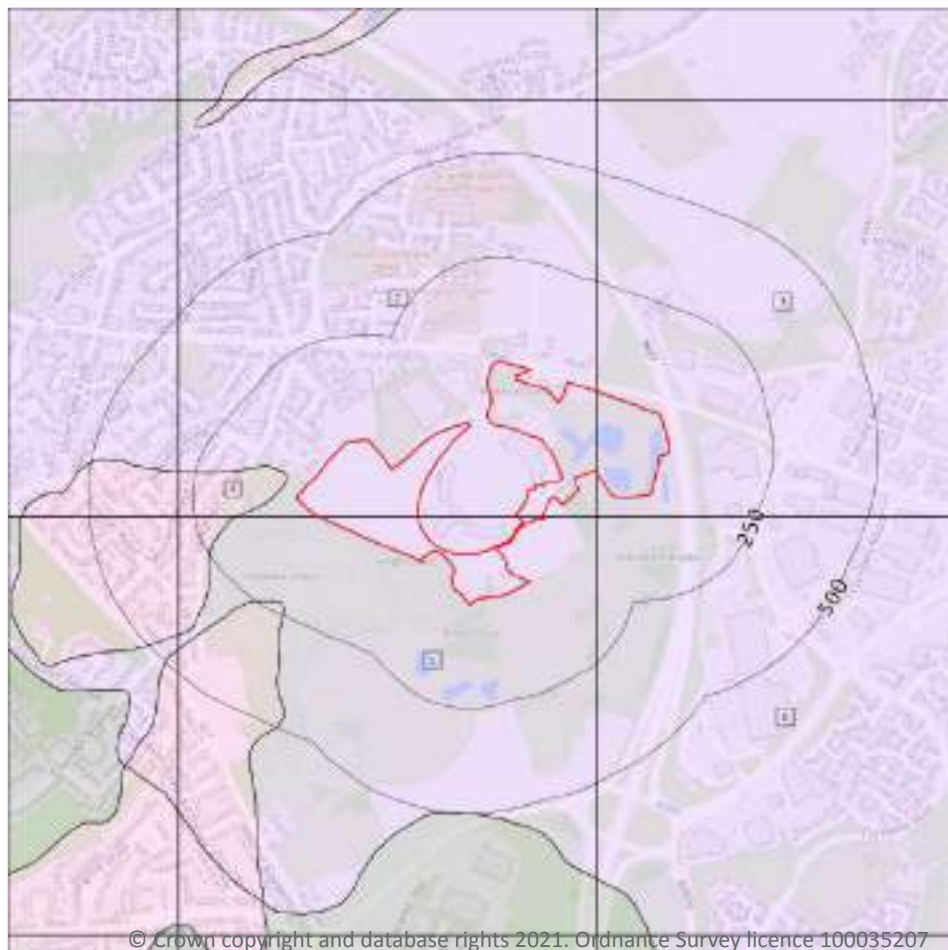
Features are displayed on the Bedrock aquifer map on **page 49**

ID	Location	Designation	Description
1	On site	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
2	499m S	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow

This data is sourced from the British Geological Survey, the Environment Agency and Natural Resources Wales.



Groundwater vulnerability



5.3 Groundwater vulnerability

Records within 50m

5

An assessment of the vulnerability of groundwater to a pollutant discharged at ground level based on the hydrological, geological, hydrogeological and soil properties within a one kilometre square grid.

Groundwater vulnerability is described as High, Medium or Low as follows:

- High - Areas able to easily transmit pollution to groundwater. They are likely to be characterised by high leaching soils and the absence of low permeability superficial deposits.
- Medium - Intermediate between high and low vulnerability.
- Low - Areas that provide the greatest protection from pollution. They are likely to be characterised by low leaching soils and/or the presence of superficial deposits characterised by a low permeability.

Features are displayed on the Groundwater vulnerability map on **page 50**



ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	On site	Summary Classification: Secondary bedrock aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: 40- 70% Dilution value: 300- 550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Medium Aquifer type: Secondary Flow mechanism: Mixed
2	On site	Summary Classification: Secondary bedrock aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: 40- 70% Dilution value: 300- 550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Medium Aquifer type: Secondary Flow mechanism: Mixed
3	On site	Summary Classification: Secondary bedrock aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: >70% Dilution value: 300- 550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Medium Aquifer type: Secondary Flow mechanism: Mixed
4	42m NW	Summary Classification: Secondary superficial aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: 40- 70% Dilution value: 300- 550mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Medium Aquifer type: Secondary Flow mechanism: Mixed
5	47m S	Summary Classification: Secondary bedrock aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: 40- 70% Dilution value: 300- 550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Medium Aquifer type: Secondary Flow mechanism: Mixed

This data is sourced from the British Geological Survey, the Environment Agency and Natural Resources Wales.

5.4 Groundwater vulnerability- soluble rock risk

Records on site

0

This dataset identifies areas where solution features that enable rapid movement of a pollutant may be present within a 1km grid square.

This data is sourced from the British Geological Survey and the Environment Agency.



5.5 Groundwater vulnerability- local information

Records on site

0

This dataset identifies areas where additional local information affecting vulnerability is held by the Environment Agency. Further information can be obtained by contacting the Environment Agency local Area groundwater team through the Environment Agency National Customer Call Centre on 03798 506 506 or by email on enquiries@environment-agency.gov.uk.

This data is sourced from the British Geological Survey and the Environment Agency.



Abstractions and Source Protection Zones



- Site Outline
- Search buffers in metres (m)
- Source Protection Zone 1
Inner catchment
- Source Protection Zone 2
Outer catchment
- Source Protection Zone 3
Total catchment
- Source Protection Zone 4
Zone of Special Interest
- Source Protection Zone 1c
Inner catchment - confined aquifer
- Source Protection Zone 2c
Outer catchment - confined aquifer
- Source Protection Zone 3c
Total catchment - confined aquifer
- Drinking water abstraction licences
Polygon features
- Drinking water abstraction licences
Linear features
- Groundwater abstraction licence (point)
- Groundwater abstraction licence (area)
- Groundwater abstraction licence (linear)
- Surface Water Abstractions (point)
- Surface Water Abstractions (area)
- Surface Water Abstractions (linear)

5.6 Groundwater abstractions

Records within 2000m

1

Licensed groundwater abstractions for sites extracting more than 20 cubic metres of water a day and includes active and historical records. The data may be for a single abstraction point, between two points (line data) or a larger area.

Features are displayed on the Abstractions and Source Protection Zones map on **page 53**

ID	Location	Details	
1	On site	Status: Active Licence No: SO/042/0030/005 Details: Spray Irrigation - Storage Direct Source: Southern Region Groundwater Point: THE AGEAS BOWL, SOUTHAMPTON Data Type: Point Name: RB Lease Company Limited Easting: 448031 Northing: 114094	Annual Volume (m ³): 18,000 Max Daily Volume (m ³): 125 Original Application No: - Original Start Date: 08/08/2016 Expiry Date: 31/03/2022 Issue No: 1 Version Start Date: 08/08/2016 Version End Date: -

This data is sourced from the Environment Agency and Natural Resources Wales.

5.7 Surface water abstractions

Records within 2000m	0
-----------------------------	----------

Licensed surface water abstractions for sites extracting more than 20 cubic metres of water a day and includes active and historical records. The data may be for a single abstraction point, a stretch of watercourse or a larger area.

This data is sourced from the Environment Agency and Natural Resources Wales.

5.8 Potable abstractions

Records within 2000m	0
-----------------------------	----------

Licensed potable water abstractions for sites extracting more than 20 cubic metres of water a day and includes active and historical records. The data may be for a single abstraction point, a stretch of watercourse or a larger area.

This data is sourced from the Environment Agency and Natural Resources Wales.

5.9 Source Protection Zones

Records within 500m	0
----------------------------	----------

Source Protection Zones define the sensitivity of an area around a potable abstraction site to contamination.

This data is sourced from the Environment Agency and Natural Resources Wales.



5.10 Source Protection Zones (confined aquifer)

Records within 500m

0

Source Protection Zones in the confined aquifer define the sensitivity around a deep groundwater abstraction to contamination. A confined aquifer would normally be protected from contamination by overlying geology and is only considered a sensitive resource if deep excavation/drilling is taking place.

This data is sourced from the Environment Agency and Natural Resources Wales.



6 Hydrology



- Site Outline
- Search buffers in metres (m)
- Water Network (OS MasterMap)
- Surface water features (wider than 5m)
- Surface water features (narrower than 5m)
- ⋯ WFD River, canal and surface water transfer water bodies
- WFD Lake water bodies
- WFD Transitional and coastal water bodies
- WFD Surface water body catchments boundaries
- WFD Groundwater body boundaries

© Crown copyright and database rights 2021. Ordnance Survey licence 100035207

6.1 Water Network (OS MasterMap)

Records within 250m

32

Detailed water network of Great Britain showing the flow and precise central course of every river, stream, lake and canal.

Features are displayed on the Hydrology map on **page 56**

ID	Location	Type of water feature	Ground level	Permanence	Name
1	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
2	On site	Inland river not influenced by normal tidal action.	Not provided	Watercourse contains water year round (in normal circumstances)	-
A	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
B	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
B	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
B	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
B	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
B	On site	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
B	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
B	On site	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
B	On site	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
B	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
B	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	On site	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-



ID	Location	Type of water feature	Ground level	Permanence	Name
C	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
D	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
D	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
E	On site	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
F	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
G	2m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
G	12m SW	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
G	17m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	32m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	40m SE	Inland river not influenced by normal tidal action.	Not provided	Watercourse contains water year round (in normal circumstances)	-
H	113m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
G	119m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-



ID	Location	Type of water feature	Ground level	Permanence	Name
H	167m SE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
9	169m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
I	185m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
J	198m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
12	238m SE	Inland river not influenced by normal tidal action.	Not provided	Watercourse contains water year round (in normal circumstances)	-

This data is sourced from the Ordnance Survey.

6.2 Surface water features

Records within 250m

11

Covering rivers, streams and lakes (some overlap with OS MasterMap Water Network data in previous section) but additionally covers smaller features such as ponds. Rivers and streams narrower than 5m are represented as a single line. Lakes, ponds and rivers or streams wider than 5m are represented as polygons.

Features are displayed on the Hydrology map on **page 56**

This data is sourced from the Ordnance Survey.

6.3 WFD Surface water body catchments

Records on site

2

The Water Framework Directive is an EU-led framework for the protection of inland surface waters, estuaries, coastal waters and groundwater through river basin-level management planning. In terms of surface water, these basins are broken down into smaller units known as management, operational and water body catchments.

Features are displayed on the Hydrology map on **page 56**



ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
4	On site	River WB catchment	Horton Heath Stream	GB107042016270	East Hampshire Rivers	East Hampshire
5	On site	Coastal Catchment	Not part of a river WB catchment	56	East Hampshire Rivers	East Hampshire

This data is sourced from the Environment Agency and Natural Resources Wales.

6.4 WFD Surface water bodies

Records identified	1
---------------------------	----------

Surface water bodies under the Directive may be rivers, lakes, estuary or coastal. To achieve the purpose of the Directive, environmental objectives have been set and are reported on for each water body. The progress towards delivery of the objectives is then reported on by the relevant competent authorities at the end of each six-year cycle. The river water body directly associated with the catchment listed in the previous section is detailed below, along with any lake, canal, coastal or artificial water body within 250m of the site. Click on the water body ID in the table to visit the EA Catchment Explorer to find out more about each water body listed.

Features are displayed on the Hydrology map on **page 56**

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
-	2515m NE	River	Horton Heath Stream	GB107042016270	Good	Good	Good	2016

This data is sourced from the Environment Agency and Natural Resources Wales.

6.5 WFD Groundwater bodies

Records on site	1
------------------------	----------

Groundwater bodies are also covered by the Directive and the same regime of objectives and reporting detailed in the previous section is in place. Click on the water body ID in the table to visit the EA Catchment Explorer to find out more about each groundwater body listed.

Features are displayed on the Hydrology map on **page 56**

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
3	On site	South East Hants Bracklesham Group	GB40702G503000	Poor	Poor	Good	2015

This data is sourced from the Environment Agency and Natural Resources Wales.



7 River and coastal flooding

7.1 Risk of flooding from rivers and the sea

Records within 50m**0**

The chance of flooding from rivers and/or the sea in any given year, based on cells of 50m within the Risk of Flooding from Rivers and Sea (RoFRaS)/Flood Risk Assessment Wales (FRAW) models. Each cell is allocated one of four flood risk categories, taking into account flood defences and their condition. The risk categories for RoFRaS for rivers and the sea and FRAW for rivers are; Very low (less than 1 in 1000 chance in any given year), Low (less than 1 in 100 but greater than or equal to 1 in 1000 chance), Medium (less than 1 in 30 but greater than or equal to 1 in 100 chance) or High (greater than or equal to 1 in 30 chance). The risk categories for FRAW for the sea are; Very low (less than 1 in 1000 chance in any given year), Low (less than 1 in 200 but greater than or equal to 1 in 1000 chance), Medium (less than 1 in 30 but greater than or equal to 1 in 200 chance) or High (greater than or equal to 1 in 30 chance).

This data is sourced from the Environment Agency and Natural Resources Wales.

7.2 Historical Flood Events

Records within 250m**0**

Records of historic flooding from rivers, the sea, groundwater and surface water. Records began in 1946 when predecessor bodies started collecting detailed information about flooding incidents, although limited details may be included on flooding incidents prior to this date. Takes into account the presence of defences, structures, and other infrastructure where they existed at the time of flooding, and includes flood extents that may have been affected by overtopping, breaches or blockages.

This data is sourced from the Environment Agency and Natural Resources Wales.

7.3 Flood Defences

Records within 250m**0**

Records of flood defences owned, managed or inspected by the Environment Agency and Natural Resources Wales. Flood defences can be structures, buildings or parts of buildings. Typically these are earth banks, stone and concrete walls, or sheet-piling that is used to prevent or control the extent of flooding.

This data is sourced from the Environment Agency and Natural Resources Wales.



7.4 Areas Benefiting from Flood Defences

Records within 250m

0

Areas that would benefit from the presence of flood defences in a 1 in 100 (1%) chance of flooding each year from rivers or 1 in 200 (0.5%) chance of flooding each year from the sea.

This data is sourced from the Environment Agency and Natural Resources Wales.

7.5 Flood Storage Areas

Records within 250m

0

Areas that act as a balancing reservoir, storage basin or balancing pond to attenuate an incoming flood peak to a flow level that can be accepted by the downstream channel or to delay the timing of a flood peak so that its volume is discharged over a longer period.

This data is sourced from the Environment Agency and Natural Resources Wales.



River and coastal flooding - Flood Zones

7.6 Flood Zone 2

Records within 50m

0

Areas of land at risk of flooding, when the presence of flood defences are ignored. Covering land between Flood Zone 3 (see next section) and the extent of the flooding from rivers or the sea with a 1 in 1000 (0.1%) chance of flooding each year.

This data is sourced from the Environment Agency and Natural Resources Wales.

7.7 Flood Zone 3

Records within 50m

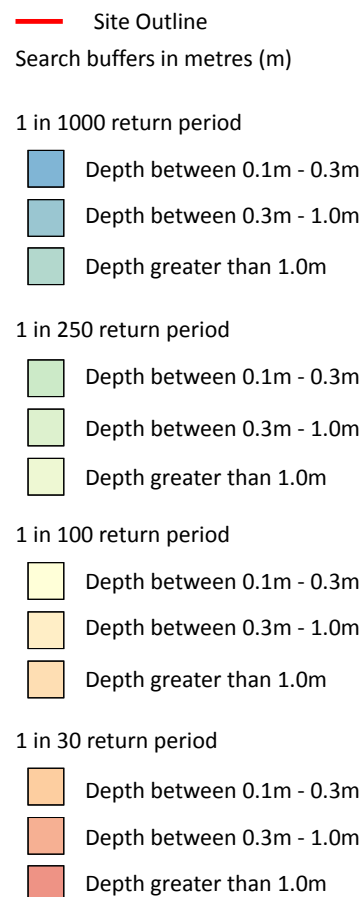
0

Areas of land at risk of flooding, when the presence of flood defences are ignored. Covering land with a 1 in 100 (1%) or greater chance of flooding each year from rivers or a 1 in 200 (0.5%) or greater chance of flooding each year from the sea.

This data is sourced from the Environment Agency and Natural Resources Wales.



8 Surface water flooding



8.1 Surface water flooding

Highest risk on site

1 in 30 year, 0.3m - 1.0m

Highest risk within 50m

1 in 30 year, Greater than 1.0m

Ambiental Risk Analytics surface water (pluvial) FloodMap identifies areas likely to flood as a result of extreme rainfall events, i.e. land naturally vulnerable to surface water ponding or flooding. This data set was produced by simulating 1 in 30 year, 1 in 100 year, 1 in 250 year and 1 in 1,000 year rainfall events. Modern urban drainage systems are typically built to cope with rainfall events between 1 in 20 and 1 in 30 years, though some older ones may flood in a 1 in 5 year rainfall event.

Features are displayed on the Surface water flooding map on **page 64**

The data shown on the map and in the table above shows the highest likelihood of flood events happening at the site. Lower likelihood events may have greater flood depths and hence a greater potential impact on

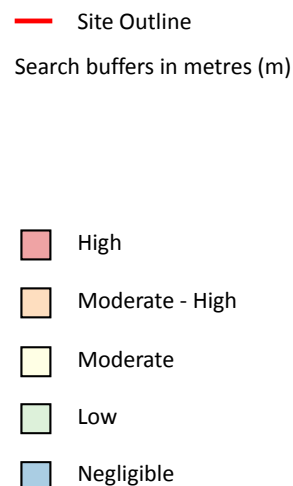
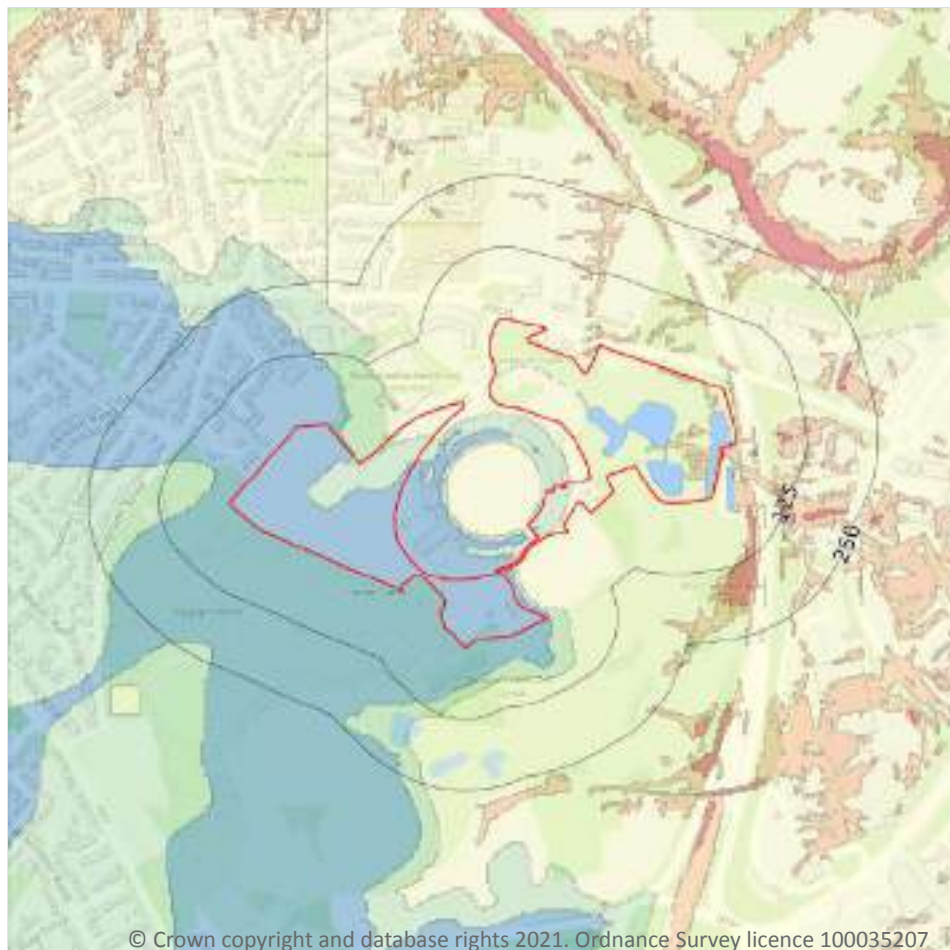
a site. The table below shows the maximum flood depths for a range of return periods for the site.

Return period	Maximum modelled depth
1 in 1000 year	Greater than 1.0m
1 in 250 year	Greater than 1.0m
1 in 100 year	Between 0.3m and 1.0m
1 in 30 year	Between 0.3m and 1.0m

This data is sourced from Ambiantal Risk Analytics.



9 Groundwater flooding



9.1 Groundwater flooding

Highest risk on site

Moderate-High

Highest risk within 50m

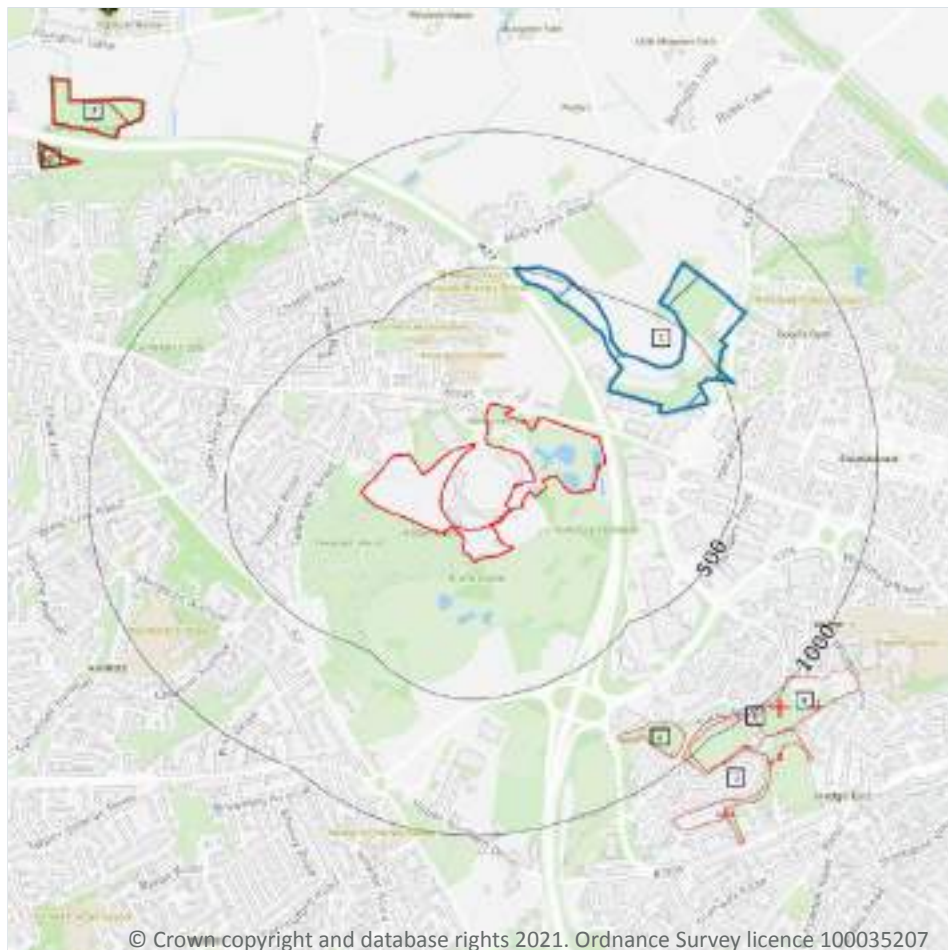
High

Groundwater flooding is caused by unusually high groundwater levels. It occurs when the water table rises above the ground surface or within underground structures such as basements or cellars. Groundwater flooding tends to exhibit a longer duration than surface water flooding, possibly lasting for weeks or months, and as a result it can cause significant damage to property. This risk assessment is based on a 1 in 100 year return period and a 5m Digital Terrain Model (DTM).

Features are displayed on the Groundwater flooding map on **page 66**

This data is sourced from Ambiantal Risk Analytics.

10 Environmental designations



- Site Outline
- Search buffers in metres (m)
- Sites of Special Scientific Interest (SSSI)
- + Special Areas of Conservation (SAC)
- + Local Nature Reserves (LNR)
- Designated Ancient Woodland

10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m

1

Sites providing statutory protection for the best examples of UK flora, fauna, or geological or physiographical features. Originally notified under the National Parks and Access to the Countryside Act 1949, SSSIs were re-notified under the Wildlife and Countryside Act 1981. Improved provisions for the protection and management of SSSIs were introduced by the Countryside and Rights of Way Act 2000 (in England and Wales) and (in Scotland) by the Nature Conservation (Scotland) Act 2004 and the Wildlife and Natural Environment (Scotland) Act 2010.

Features are displayed on the Environmental designations map on **page 67**

ID	Location	Name	Data source
1	174m N	Moorgreen Meadows	Natural England

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.2 Conserved wetland sites (Ramsar sites)

Records within 2000m

0

Ramsar sites are designated under the Convention on Wetlands of International Importance, agreed in Ramsar, Iran, in 1971. They cover all aspects of wetland conservation and wise use, recognizing wetlands as ecosystems that are extremely important for biodiversity conservation in general and for the well-being of human communities. These sites cover a broad definition of wetland; marsh, fen, peatland or water, whether natural or artificial, permanent or temporary, with water that is static or flowing, fresh, brackish or salt, and even some marine areas.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.3 Special Areas of Conservation (SAC)

Records within 2000m

0

Areas which have been identified as best representing the range and variety within the European Union of habitats and (non-bird) species listed on Annexes I and II to the Directive. SACs are designated under the EC Habitats Directive.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.4 Special Protection Areas (SPA)

Records within 2000m

0

Sites classified by the UK Government under the EC Birds Directive, SPAs are areas of the most important habitat for rare (listed on Annex I to the Directive) and migratory birds within the European Union.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.5 National Nature Reserves (NNR)

Records within 2000m

0

Sites containing examples of some of the most important natural and semi-natural terrestrial and coastal ecosystems in Great Britain. They are managed to conserve their habitats, provide special opportunities for scientific study or to provide public recreation compatible with natural heritage interests.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.



10.6 Local Nature Reserves (LNR)

Records within 2000m

5

Sites managed for nature conservation, and to provide opportunities for research and education, or simply enjoying and having contact with nature. They are declared by local authorities under the National Parks and Access to the Countryside Act 1949 after consultation with the relevant statutory nature conservation agency.

Features are displayed on the Environmental designations map on **page 67**

ID	Location	Name	Data source
2	782m SE	Wildern	Natural England
3	944m SE	Wildern	Natural England
4	985m SE	Wildern	Natural England
5	1013m SE	Wildern	Natural England
-	1907m S	Netley Common	Natural England

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.7 Designated Ancient Woodland

Records within 2000m

7

Ancient woodlands are classified as areas which have been wooded continuously since at least 1600 AD. This includes semi-natural woodland and plantations on ancient woodland sites. 'Wooded continuously' does not mean there is or has previously been continuous tree cover across the whole site, and not all trees within the woodland have to be old.

Features are displayed on the Environmental designations map on **page 67**

ID	Location	Name	Woodland Type
-	1399m W	Unknown	Ancient & Semi-Natural Woodland
7	1540m NW	Dummers Copse	Ancient & Semi-Natural Woodland
8	1575m NW	Unknown	Ancient & Semi-Natural Woodland
-	1672m E	Unknown	Ancient & Semi-Natural Woodland
-	1737m NW	Bushy/withybed Copses	Ancient & Semi-Natural Woodland
-	1875m E	Unknown	Ancient & Semi-Natural Woodland
13	1919m NW	Unknown	Ancient Replanted Woodland

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.



10.8 Biosphere Reserves

Records within 2000m

0

Biosphere Reserves are internationally recognised by UNESCO as sites of excellence to balance conservation and socioeconomic development between nature and people. They are recognised under the Man and the Biosphere (MAB) Programme with the aim of promoting sustainable development founded on the work of the local community.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.9 Forest Parks

Records within 2000m

0

These are areas managed by the Forestry Commission designated on the basis of recreational, conservation or scenic interest.

This data is sourced from the Forestry Commission.

10.10 Marine Conservation Zones

Records within 2000m

0

A type of marine nature reserve in UK waters established under the Marine and Coastal Access Act (2009). They are designated with the aim to protect nationally important, rare or threatened habitats and species.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.11 Green Belt

Records within 2000m

0

Areas designated to prevent urban sprawl by keeping land permanently open.

This data is sourced from the Ministry of Housing, Communities and Local Government.

10.12 Proposed Ramsar sites

Records within 2000m

0

Ramsar sites are areas listed as a Wetland of International Importance under the Convention on Wetlands of International Importance especially as Waterfowl Habitat (the Ramsar Convention) 1971. The sites here supplied have a status of 'Proposed' having been identified for potential adoption under the framework.

This data is sourced from Natural England.



10.13 Possible Special Areas of Conservation (pSAC)

Records within 2000m

0

Special Areas of Conservation are areas which have been identified as best representing the range and variety within the European Union of habitats and (non-bird) species listed on Annexes I and II to the Directive. SACs are designated under the EC Habitats Directive. Those sites supplied here are those with a status of 'Possible' having been identified for potential adoption under the framework.

This data is sourced from Natural England and Natural Resources Wales.

10.14 Potential Special Protection Areas (pSPA)

Records within 2000m

0

Special Protection Areas (SPAs) are areas designated (or 'classified') under the European Union Wild Birds Directive for the protection of nationally and internationally important populations of wild birds. Those sites supplied here are those with a status of 'Potential' having been identified for potential adoption under the framework.

This data is sourced from Natural England.

10.15 Nitrate Sensitive Areas

Records within 2000m

0

Areas where nitrate concentrations in drinking water sources exceeded or was at risk of exceeding the limit of 50 mg/l set by the 1980 EC Drinking Water Directive. Voluntary agricultural measures as a means of reducing the levels of nitrate were introduced by DEFRA as MAFF, with payments being made to farmers who complied. The scheme was started as a pilot in 1990 in ten areas, later implemented within 32 areas. The scheme was closed to further new entrants in 1998, although existing agreements continued for their full term. All Nitrate Sensitive Areas fell within the areas designated as Nitrate Vulnerable Zones (NVZs) in 1996 under the EC Nitrate Directive (91/676/EEC).

This data is sourced from Natural England.

10.16 Nitrate Vulnerable Zones

Records within 2000m

2

Areas at risk from agricultural nitrate pollution designated under the EC Nitrate Directive (91/676/EEC). These are areas of land that drain into waters polluted by nitrates. Farmers operating within these areas have to follow mandatory rules to tackle nitrate loss from agriculture.

Location	Name	Type	NVZ ID	Status
On site	Hamble Estuary Eutrophic NVZ (TraC)	Eutrophic Water	ET3	Existing

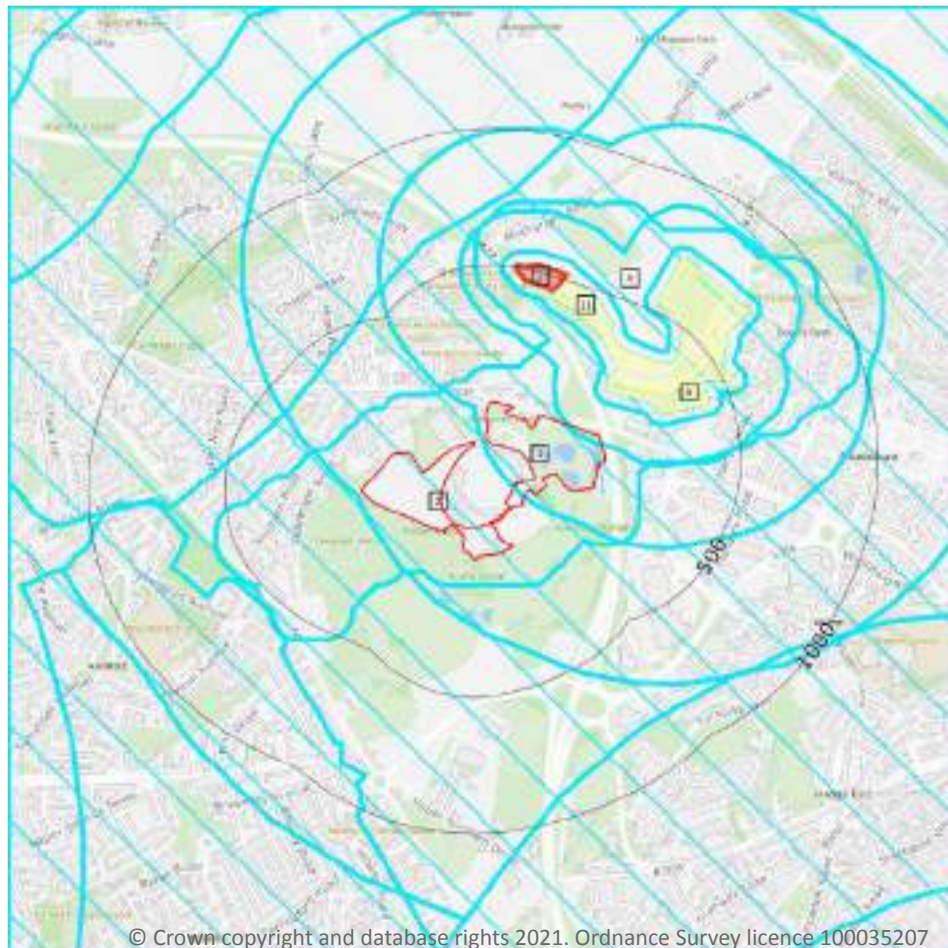


Location	Name	Type	NVZ ID	Status
1611m N	Hamble Estuary Eutrophic NVZ (TraC)	Eutrophic Water	ET3	Existing

This data is sourced from Natural England and Natural Resources Wales.



SSSI Impact Zones and Units



- Site Outline
- Search buffers in metres (m)
- SSSI Impact Risk Zones
- SSSI Units
- Not recorded
- Favourable
- Unfavourable - Recovering
- Unfavourable - No change
- Unfavourable - Declining
- Partially destroyed
- Destroyed

10.17 SSSI Impact Risk Zones

Records on site

3

Developed to allow rapid initial assessment of the potential risks to SSSIs posed by development proposals. They define zones around each SSSI which reflect the particular sensitivities of the features for which it is notified and indicate the types of development proposal which could potentially have adverse impacts.

Features are displayed on the SSSI Impact Zones and Units map on **page 73**

ID	Location	Type of developments requiring consultation
1	On site	Infrastructure - Pipelines, pylons and overhead cables. Any transport proposal including road, rail and by water (excluding routine maintenance). Airports, helipads and other aviation proposals Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, Review of Minerals Permissions (ROMP), extensions, variations to conditions etc. Oil & gas exploration/extraction. Rural non-residential - Large non residential developments outside existing settlements/urban areas where net additional gross internal floorspace is > 1,000m² or footprint exceeds 0.2ha Residential - Residential development of 100 units or more. Rural residential - Any residential development of 50 or more houses outside existing settlements/urban areas. Air pollution - Any development that could cause AIR POLLUTION (incl: industrial/commercial processes, livestock & poultry units, slurry lagoons/manure stores). Combustion - All general combustion processes. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion. Waste - Mechanical and biological waste treatment, inert landfill, non-hazardous landfill, hazardous landfill, household civic amenity recycling facilities construction, demolition and excavation waste, other waste management Composting - Any composting proposal. Incl: open windrow composting, in-vessel composting, anaerobic digestion, other waste management. Discharges - Any discharge of water or liquid waste that is discharged to ground (ie to seep away) or to surface water, such as a beck or stream. Water supply - Large infrastructure such as warehousing / industry where net additional gross internal floorspace is > 1,000m² or any development needing its own water supply Notes: For new residential development in this area financial contributions are required to mitigate increased recreational disturbance on coastal SPAs and Ramsar Sites. Check with Local Planning Authority.SOLENT NUTRIENT IMPACT AREA. For new development with overnight accommodation Reg 63 of the Conservation of Habitats and Species Regulations 2017 must be applied. LPA to refer to Natural England's Solent Nutrient Neutrality Advice Note June 2019.



ID	Location	Type of developments requiring consultation
2	On site	Infrastructure - Pipelines, pylons and overhead cables. Any transport proposal including road, rail and by water (excluding routine maintenance). Airports, helipads and other aviation proposals Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, Review of Minerals Permissions (ROMP), extensions, variations to conditions etc. Oil & gas exploration/extraction. Rural non-residential - Large non residential developments outside existing settlements/urban areas where net additional gross internal floorspace is > 1,000m² or footprint exceeds 0.2ha Residential - Residential development of 100 units or more. Rural residential - Any residential development of 50 or more houses outside existing settlements/urban areas. Air pollution - Any industrial/agricultural development that could cause AIR POLLUTION (incl: industrial processes, livestock & poultry units with floorspace > 500m², slurry lagoons > 200m² & manure stores > 250t). Combustion - General combustion processes >20MW energy input. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion Waste - Landfill. Incl: inert landfill, non-hazardous landfill, hazardous landfill. Composting - Any composting proposal with more than 500 tonnes maximum annual operational throughput. Incl: open windrow composting, in-vessel composting, anaerobic digestion, other waste management. Discharges - Any discharge of water or liquid waste that is discharged to ground (ie to seep away) or to surface water, such as a beck or stream. Water supply - Large infrastructure such as warehousing / industry where net additional gross internal floorspace is > 1,000m² or any development needing its own water supply Notes: For new residential development in this area financial contributions are required to mitigate increased recreational disturbance on coastal SPAs and Ramsar Sites. Check with Local Planning Authority. SOLENT NUTRIENT IMPACT AREA. For new development with overnight accommodation Reg 63 of the Conservation of Habitats and Species Regulations 2017 must be applied. LPA to refer to Natural England's Solent Nutrient Neutrality Advice Note June 2019.



ID	Location	Type of developments requiring consultation
A	On site	Infrastructure - Pipelines, pylons and overhead cables. Any transport proposal including road, rail and by water (excluding routine maintenance). Airports, helipads and other aviation proposals Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, Review of Minerals Permissions (ROMP), extensions, variations to conditions etc. Oil & gas exploration/extraction. Rural non-residential - Large non residential developments outside existing settlements/urban areas where net additional gross internal floorspace is > 1,000m² or footprint exceeds 0.2ha Residential - Residential development of 50 units or more. Rural residential - Any residential development of 10 or more houses outside existing settlements/urban areas. Air pollution - Any development that could cause AIR POLLUTION or DUST either in its construction or operation (incl: industrial/commercial processes, livestock & poultry units, slurry lagoons/manure stores). Combustion - All general combustion processes. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion. Waste - Mechanical and biological waste treatment, inert landfill, non-hazardous landfill, hazardous landfill, household civic amenity recycling facilities construction, demolition and excavation waste, other waste management Composting - Any composting proposal. Incl: open windrow composting, in-vessel composting, anaerobic digestion, other waste management. Discharges - Any discharge of water or liquid waste that is discharged to ground (ie to seep away) or to surface water, such as a beck or stream. Water supply - Large infrastructure such as warehousing / industry where net additional gross internal floorspace is > 1,000m² or any development needing its own water supply Notes: For new residential development in this area financial contributions are required to mitigate increased recreational disturbance on coastal SPAs and Ramsar Sites. Check with Local Planning Authority.SOLENT NUTRIENT IMPACT AREA. For new development with overnight accommodation Reg 63 of the Conservation of Habitats and Species Regulations 2017 must be applied. LPA to refer to Natural England's Solent Nutrient Neutrality Advice Note June 2019.

This data is sourced from Natural England.

10.18 SSSI Units

Records within 2000m

4

Divisions of SSSIs used to record management and condition details. Units are the smallest areas for which Natural England gives a condition assessment, however, the size of units varies greatly depending on the types of management and the conservation interest.

Features are displayed on the SSSI Impact Zones and Units map on **page 73**

ID: 6
 Location: 174m N
 SSSI name: Moorgreen Meadows
 Unit name: Eastleigh B C
 Broad habitat: Broadleaved, Mixed And Yew Woodland - Lowland
 Condition: Unfavourable - Recovering
 Reportable features:



Feature name	Feature condition	Date of assessment
Wet woodland	Unfavourable - Recovering	04/06/2013

ID: A
 Location: 211m N
 SSSI name: Moorgreen Meadows
 Unit name: Mr Emmans
 Broad habitat: Acid Grassland - Lowland
 Condition: Unfavourable - Recovering
 Reportable features:

Feature name	Feature condition	Date of assessment
Lowland mire grassland and rush pasture	Unfavourable - Recovering	04/06/2013
Lowland neutral grassland (MG5)	Unfavourable - Recovering	04/06/2013
Population of declining plant species and species at the edge of their range - Dactylorhiza purpurella, Northern marsh orchid (and hybrids)	Unfavourable - Recovering	04/06/2013

ID: 11
 Location: 277m N
 SSSI name: Moorgreen Meadows
 Unit name: Moorgreen Dairy Farm
 Broad habitat: Acid Grassland - Lowland
 Condition: Unfavourable - Recovering
 Reportable features:

Feature name	Feature condition	Date of assessment
Lowland mire grassland and rush pasture	Unfavourable - Recovering	04/06/2013

ID: 15
 Location: 448m N
 SSSI name: Moorgreen Meadows
 Unit name: Previously Part Of Unit 3
 Broad habitat: Acid Grassland - Lowland
 Condition: Destroyed
 Reportable features:

Feature name	Feature condition	Date of assessment
Lowland mire grassland and rush pasture	Destroyed	20/06/2013



This data is sourced from Natural England and Natural Resources Wales.



11 Visual and cultural designations



- Site Outline
- Search buffers in metres (m)
-  Listed buildings
-  Conservation areas
-  Conservation areas - no data
-  National Parks
-  Areas of Outstanding Natural Beauty
-  Registered parks and gardens
-  Scheduled Monuments
-  World Heritage Sites

11.1 World Heritage Sites

Records within 250m

0

Sites designated for their globally important cultural or natural interest requiring appropriate management and protection measures. World Heritage Sites are designated to meet the UK's commitments under the World Heritage Convention.

This data is sourced from Historic England, Cadw and Historic Environment Scotland.

11.2 Area of Outstanding Natural Beauty

Records within 250m**0**

Areas of Outstanding Natural Beauty (AONB) are conservation areas, chosen because they represent 18% of the finest countryside. Each AONB has been designated for special attention because of the quality of their flora, fauna, historical and cultural associations, and/or scenic views. The National Parks and Access to the Countryside Act of 1949 created AONBs and the Countryside and Rights of Way Act, 2000 added further regulation and protection. There are likely to be restrictions to some developments within these areas.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

11.3 National Parks

Records within 250m**0**

In England and Wales, the purpose of National Parks is to conserve and enhance landscapes within the countryside whilst promoting public enjoyment of them and having regard for the social and economic well-being of those living within them. In Scotland National Parks have the additional purpose of promoting the sustainable use of the natural resources of the area and the sustainable social and economic development of its communities. The National Parks and Access to the Countryside Act 1949 established the National Park designation in England and Wales, and The National Parks (Scotland) Act 2000 in Scotland.

This data is sourced from Natural England, Natural Resources Wales and the Scottish Government.

11.4 Listed Buildings

Records within 250m**0**

Buildings listed for their special architectural or historical interest. Building control in the form of 'listed building consent' is required in order to make any changes to that building which might affect its special interest. Listed buildings are graded to indicate their relative importance, however building controls apply to all buildings equally, irrespective of their grade, and apply to the interior and exterior of the building in its entirety, together with any curtilage structures.

This data is sourced from Historic England, Cadw and Historic Environment Scotland.

11.5 Conservation Areas

Records within 250m**0**

Local planning authorities are obliged to designate as conservation areas any parts of their own area that are of special architectural or historic interest, the character and appearance of which it is desirable to preserve or enhance. Designation of a conservation area gives broader protection than the listing of individual buildings. All the features within the area, listed or otherwise, are recognised as part of its character. Conservation area designation is the means of recognising the importance of all factors and of ensuring that planning decisions address the quality of the landscape in its broadest sense.



This data is sourced from Historic England, Cadw and Historic Environment Scotland.

11.6 Scheduled Ancient Monuments

Records within 250m

1

A scheduled monument is an historic building or site that is included in the Schedule of Monuments kept by the Secretary of State for Digital, Culture, Media and Sport. The regime is set out in the Ancient Monuments and Archaeological Areas Act 1979. The Schedule of Monuments has c.20,000 entries and includes sites such as Roman remains, burial mounds, castles, bridges, earthworks, the remains of deserted villages and industrial sites. Monuments are not graded, but all are, by definition, considered to be of national importance.

Features are displayed on the Visual and cultural designations map on **page 79**

ID	Location	Ancient monument name	Reference number
1	43m SW	Hickley Wood hillfort	1017888

This data is sourced from Historic England, Cadw and Historic Environment Scotland.

11.7 Registered Parks and Gardens

Records within 250m

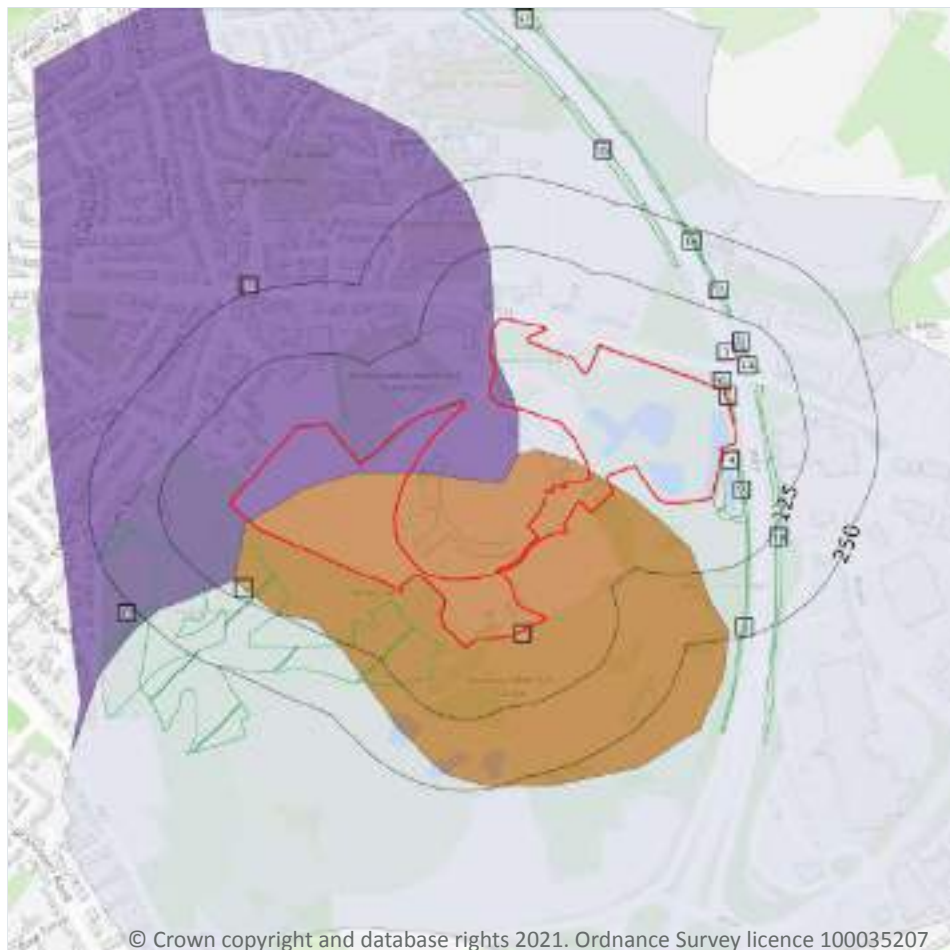
0

Parks and gardens assessed to be of particular interest and of special historic interest. The emphasis being on 'designed' landscapes, rather than on planting or botanical importance. Registration is a 'material consideration' in the planning process, meaning that planning authorities must consider the impact of any proposed development on the special character of the landscape.

This data is sourced from Historic England, Cadw and Historic Environment Scotland.



12 Agricultural designations



© Crown copyright and database rights 2021. Ordnance Survey licence 100035207

- Site Outline
- Search buffers in metres (m)
- Grade 1 - excellent quality
- Grade 2 - very good quality
- Grade 3 - good to moderate quality
- Grade 3a - good quality
- Grade 3b - moderate quality
- Grade 4 - poor quality
- Grade 5 - very poor quality
- Non-agricultural land
- Urban land
- Exclusion land
- Tree felling licences
- Open Access land

12.1 Agricultural Land Classification

Records within 250m

3

Classification of the quality of agricultural land taking into consideration multiple factors including climate, physical geography and soil properties. It should be noted that the categories for the grading of agricultural land are not consistent across England, Wales and Scotland.

Features are displayed on the Agricultural designations map on **page 82**

ID	Location	Classification	Description
1	On site	Grade 2	Very good quality agricultural land. Land with minor limitations which affect crop yield, cultivations or harvesting. A wide range of agricultural and horticultural crops can usually be grown but on some land in the grade there may be reduced flexibility due to difficulties with the production of the more demanding crops such as winter harvested vegetables and arable root crops. The level of yield is generally high but may be lower or more variable than Grade 1.
2	On site	Urban	-
3	On site	Grade 4	Poor quality agricultural land. Land with severe limitations which significantly restrict the range of crops and/or level of yields. It is mainly suited to grass with occasional arable crops (e.g. cereals and forage crops) the yields of which are variable. In moist climates, yields of grass may be moderate to high but there may be difficulties in utilisation. The grade also includes very droughty arable land.

This data is sourced from Natural England.

12.2 Open Access Land

Records within 250m

0

The Countryside and Rights of Way Act 2000 (CROW Act) gives a public right of access to land without having to use paths. Access land includes mountains, moors, heaths and downs that are privately owned. It also includes common land registered with the local council and some land around the England Coast Path. Generally permitted activities on access land are walking, running, watching wildlife and climbing.

This data is sourced from Natural England and Natural Resources Wales.

12.3 Tree Felling Licences

Records within 250m

14

Felling Licence Application (FLA) areas approved by Forestry Commission England. Anyone wishing to fell trees must ensure that a licence or permission under a grant scheme has been issued by the Forestry Commission before any felling is carried out or that one of the exceptions apply.

Features are displayed on the Agricultural designations map on **page 82**

ID	Location	Description	Reference	Application date
4	2m SE	Selective Fell/Thin (Unconditional)	018/366/15-16	-
5	3m E	Selective Fell/Thin (Unconditional)	018/366/15-16	-
6	7m N	Selective Fell/Thin (Unconditional)	018/366/15-16	-
7	25m SW	Selective Fell/Thin (Conditional)	019/127/14-15	09/09/2014
8	36m E	Selective Fell/Thin (Unconditional)	018/366/15-16	-



ID	Location	Description	Reference	Application date
9	36m E	Selective Fell/Thin (Unconditional)	018/366/15-16	-
10	48m E	Selective Fell/Thin (Unconditional)	018/366/15-16	-
11	48m NE	Selective Fell/Thin (Unconditional)	018/366/15-16	-
12	78m NE	Selective Fell/Thin (Unconditional)	018/366/15-16	-
13	122m N	Selective Fell/Thin (Unconditional)	018/366/15-16	-
14	138m SW	Selective Fell/Thin (Conditional)	019/127/14-15	09/09/2014
15	174m N	Selective Fell/Thin (Unconditional)	018/366/15-16	-
16	196m N	Selective Fell/Thin (Unconditional)	018/366/15-16	-
17	197m N	Selective Fell/Thin (Unconditional)	018/366/15-16	-

This data is sourced from the Forestry Commission.

12.4 Environmental Stewardship Schemes

Records within 250m

2

Environmental Stewardship covers a range of schemes that provide financial incentives to farmers, foresters and land managers to look after and improve the environment. The schemes identified may be historical schemes that have now expired, or may still be active.

Location	Reference	Scheme	Start Date	End date
174m NE	AG00296266	Higher Level Stewardship	01/02/2010	31/01/2021
211m NE	AG00404966	Entry Level plus Higher Level Stewardship	01/04/2012	31/03/2022

This data is sourced from Natural England.

12.5 Countryside Stewardship Schemes

Records within 250m

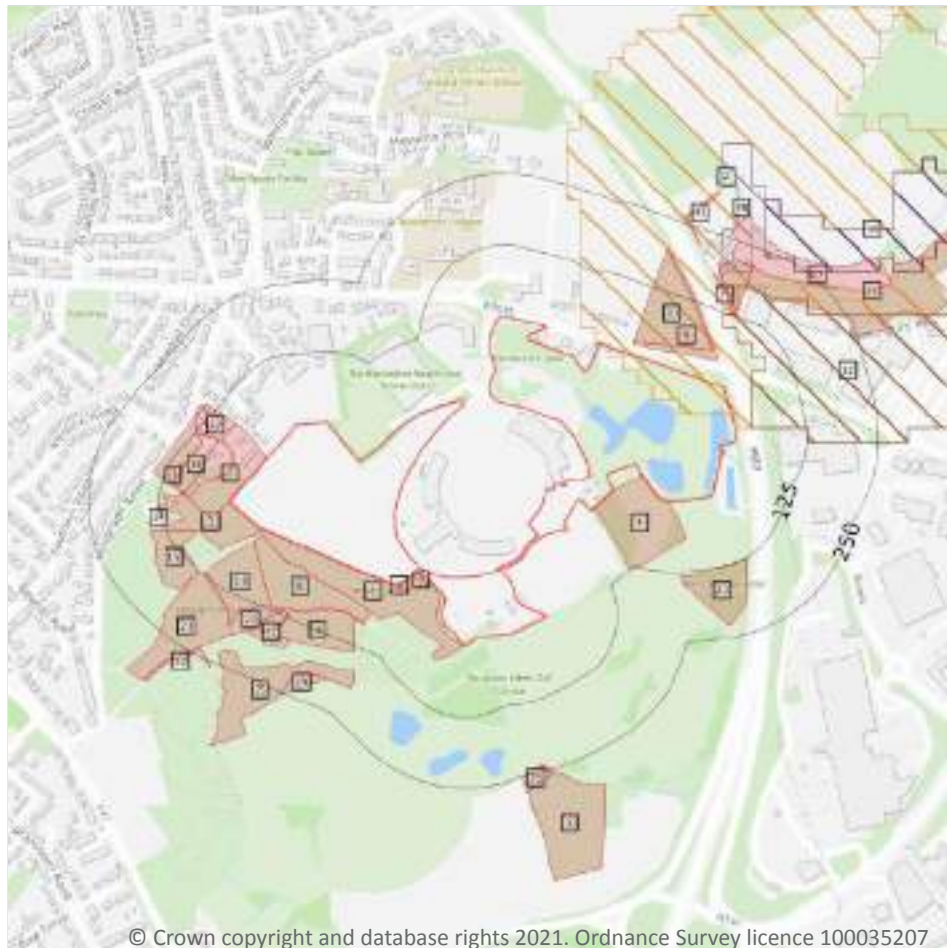
0

Countryside Stewardship covers a range of schemes that provide financial incentives to farmers, foresters and land managers to look after and improve the environment. Main objectives are to improve the farmed environment for wildlife and to reduce diffuse water pollution.

This data is sourced from Natural England.



13 Habitat designations



- Site Outline**
- Search buffers in metres (m)**
- Priority Habitat Inventory
 - Open Mosaic Habitat
 - Limestone Pavement Orders
- Habitat Networks**
- Primary Habitat
 - Restorable Habitat
 - Associated Habitats
 - Habitat Restoration-Creation
 - Network Enhancement Zone 1
 - Network Enhancement Zone 2

13.1 Priority Habitat Inventory

Records within 250m

33

Habitats of principal importance as named under Natural Environment and Rural Communities Act (2006) Section 41.

Features are displayed on the Habitat designations map on **page 85**

ID	Location	Main Habitat	Other habitats
1	On site	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
3	On site	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
4	On site	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
5	On site	Deciduous woodland	Main habitat: DWOOD (INV > 50%)



ID	Location	Main Habitat	Other habitats
6	On site	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
7	0m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
8	8m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
9	19m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
10	25m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
11	26m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
13	37m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
14	73m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
15	76m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
16	77m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
17	81m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
18	101m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
19	103m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
20	115m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
21	117m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
22	119m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
A	122m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
23	123m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
24	125m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
A	127m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
A	128m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
25	166m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
26	174m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%, ENSIS L1, FEP + HLS)
29	197m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
30	200m N	No main habitat but additional habitats present	Additional: LMEAD (ENSIS L2); PMGRP (ENSIS L2)
31	222m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
32	236m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
33	236m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)



ID	Location	Main Habitat	Other habitats
35	239m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)

This data is sourced from Natural England.

13.2 Habitat Networks

Records within 250m	5
----------------------------	----------

Habitat networks for 18 priority habitat networks (based primarily, but not exclusively, on the priority habitat inventory) and areas suitable for the expansion of networks through restoration and habitat creation.

Features are displayed on the Habitat designations map on **page 85**

ID	Location	Type	Habitat
2	On site	Network Enhancement Zone 1	Not specified
12	29m E	Network Enhancement Zone 2	Not specified
27	184m N	Habitat Restoration-Creation	Not specified
28	191m N	Restorable Habitat	Not specified
34	238m NE	Primary Habitat	Lowland meadows

This data is sourced from Natural England.

13.3 Open Mosaic Habitat

Records within 250m	0
----------------------------	----------

Sites verified as Open Mosaic Habitat. Mosaic habitats are brownfield sites that are identified under the UK Biodiversity Action Plan as a priority habitat due to the habitat variation within a single site, supporting an array of invertebrates.

This data is sourced from Natural England.

13.4 Limestone Pavement Orders

Records within 250m	0
----------------------------	----------

Limestone pavements are outcrops of limestone where the surface has been worn away by natural means over millennia. These rocks have the appearance of paving blocks, hence their name. Not only do they have geological interest, they also provide valuable habitats for wildlife. These habitats are threatened due to their removal for use in gardens and water features. Many limestone pavements have been designated as SSSIs which affords them some protection. In addition, Section 34 of the Wildlife and Countryside Act 1981

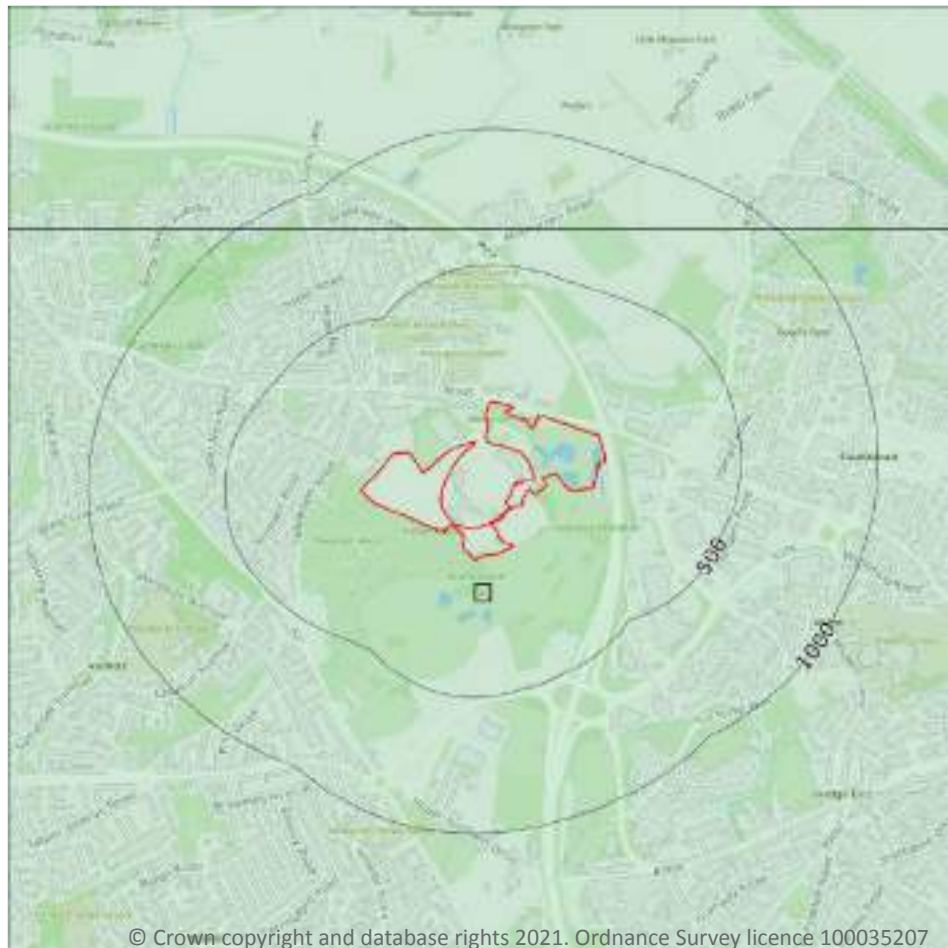


gave them additional protection via the creation of Limestone Pavement Orders, which made it a criminal offence to remove any part of the outcrop. The associated Limestone Pavement Priority Habitat is part of the UK Biodiversity Action Plan priority habitat in England.

This data is sourced from Natural England.



14 Geology 1:10,000 scale - Availability



- Site Outline
- Search buffers in metres (m)
- Full coverage
 - Partial coverage
 - No coverage

14.1 10k Availability

Records within 500m

1

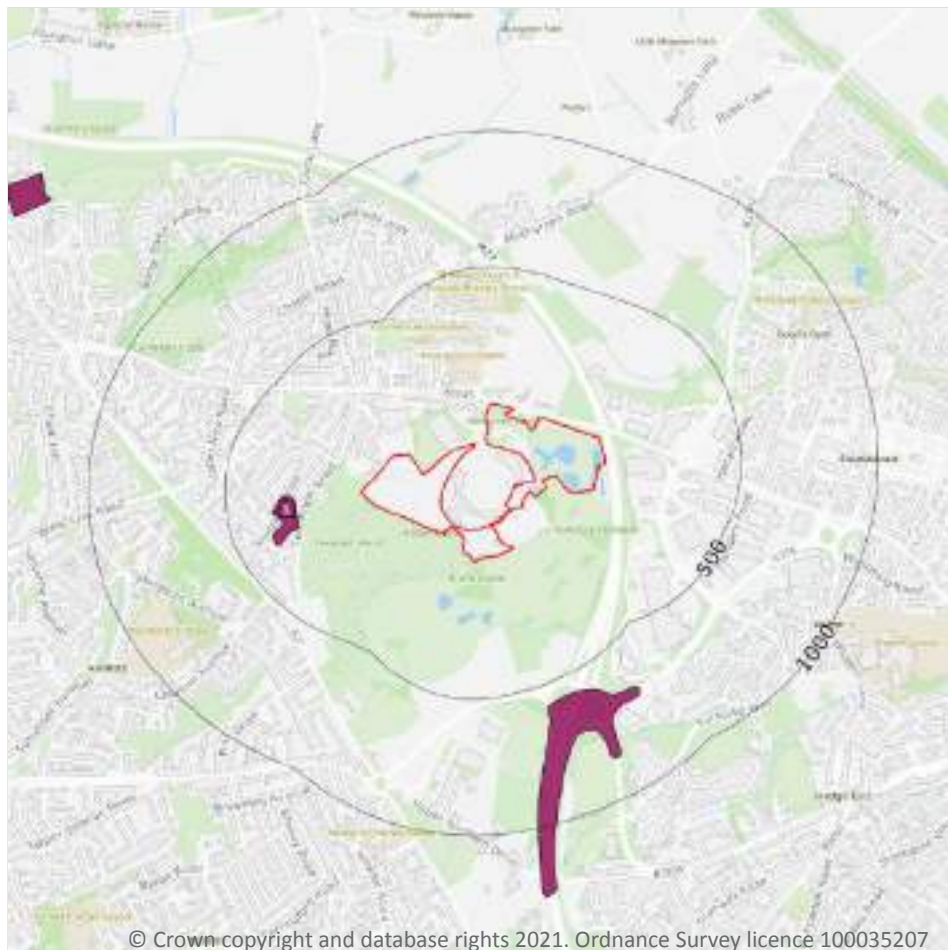
An indication on the coverage of 1:10,000 scale geology data for the site, the most detailed dataset provided by the British Geological Survey. Either 'Full', 'Partial' or 'No coverage' for each geological theme. Features are displayed on the Geology 1:10,000 scale - Availability map on **page 89**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	No coverage	SU41SE

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Artificial and made ground



- Site Outline**
- Search buffers in metres (m)
- Reclaimed ground
 - Made ground
 - Worked ground
 - Infilled ground
 - Disturbed ground
 - Landscaped ground

14.2 Artificial and made ground (10k)

Records within 500m

1

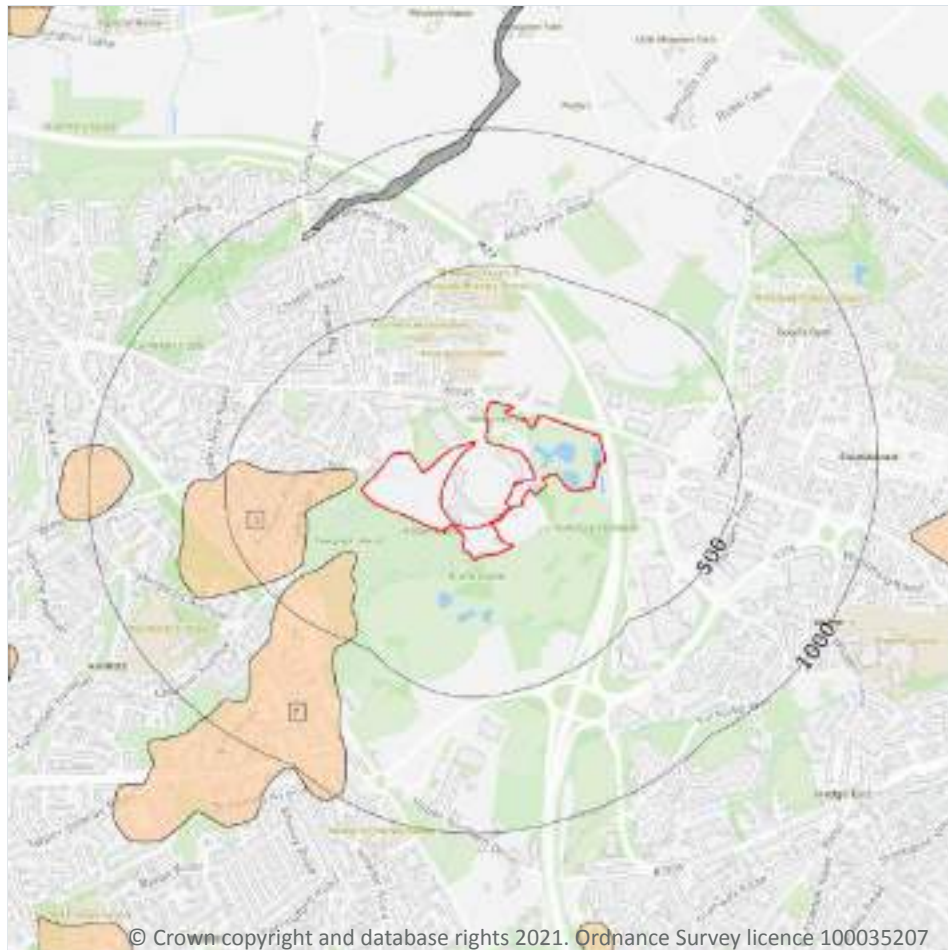
Details of made, worked, infilled, disturbed and landscaped ground at 1:10,000 scale. Artificial ground can be associated with potentially contaminated material, unpredictable engineering conditions and instability.

Features are displayed on the Geology 1:10,000 scale - Artificial and made ground map on **page 90**

ID	Location	LEX Code	Description	Rock description
1	244m W	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit

This data is sourced from the British Geological Survey.

Geology 1:10,000 scale - Superficial



— Site Outline
Search buffers in metres (m)

 Landslip (10k)

Superficial geology (10k)
Please see table for more details.

14.3 Superficial geology (10k)

Records within 500m

2

Superficial geological deposits at 1:10,000 scale. Also known as 'drift', these are the youngest geological deposits, formed during the Quaternary. They rest on older deposits or rocks referred to as bedrock.

Features are displayed on the Geology 1:10,000 scale - Superficial map on **page 91**

ID	Location	LEX Code	Description	Rock description
1	37m NW	RTDX-XSV	River Terrace Deposits, 10 - Sand And Gravel	Sand And Gravel
2	199m SW	RTD9-XSV	River Terrace Deposits, 9 - Sand And Gravel	Sand And Gravel

This data is sourced from the British Geological Survey.

14.4 Landslip (10k)

Records within 500m

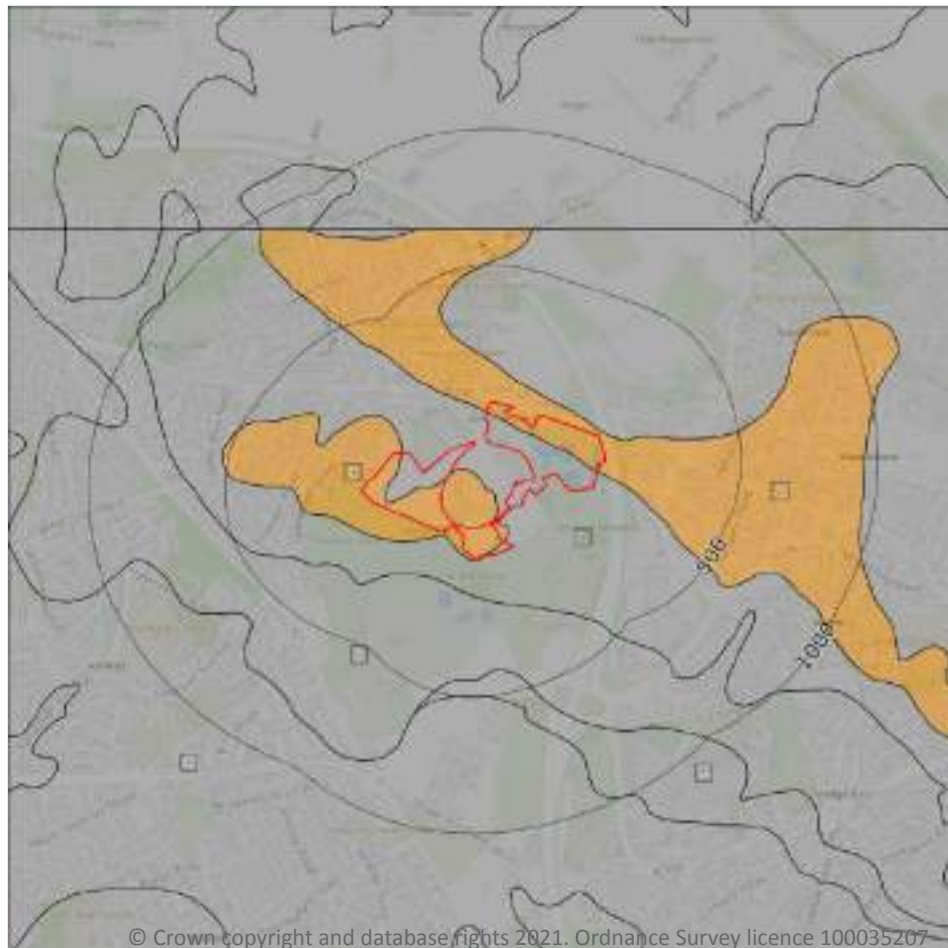
0

Mass movement deposits on BGS geological maps at 1:10,000 scale. Primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground.

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Bedrock



— Site Outline

Search buffers in metres (m)

.... Bedrock faults and other linear features (10k)

Bedrock geology (10k)
Please see table for more details.

14.5 Bedrock geology (10k)

Records within 500m

6

Bedrock geology at 1:10,000 scale. The main mass of rocks forming the Earth and present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

Features are displayed on the Geology 1:10,000 scale - Bedrock map on **page 93**

ID	Location	LEX Code	Description	Rock age
1	On site	EA-SSCL	Earnley Sand Formation - Sand, Silt And Clay	Lutetian Age
2	On site	MARF-CLSISA	Marsh Farm Formation - Clay, Silt And Sand	Lutetian Age
3	On site	MARF-CLSISA	Marsh Farm Formation - Clay, Silt And Sand	Lutetian Age



ID	Location	LEX Code	Description	Rock age
4	123m SW	WTT-CLSISA	Wittering Formation - Clay, Silt And Sand	Lutetian Age - Ypresian Age
5	402m S	WHI-SSCL	Whitecliff Sand Member - Sand, Silt And Clay	Palaeogene Period
6	492m S	LC-CLSISA	London Clay Formation - Clay, Silt And Sand	Eocene Epoch

This data is sourced from the British Geological Survey.

14.6 Bedrock faults and other linear features (10k)

Records within 500m

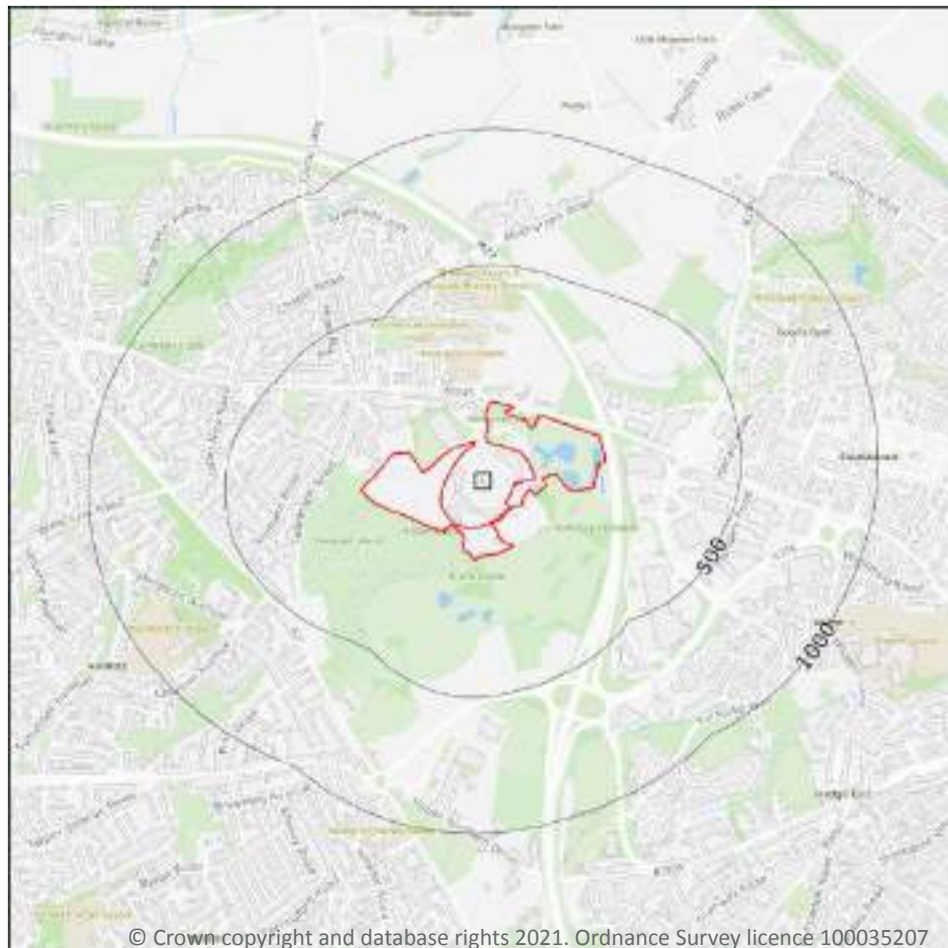
0

Linear features at the ground or bedrock surface at 1:10,000 scale of six main types; rock, fault, fold axis, mineral vein, alteration area or landform. Features are either observed or inferred, and relate primarily to bedrock.

This data is sourced from the British Geological Survey.



15 Geology 1:50,000 scale - Availability



- Site Outline
- Search buffers in metres (m)
- ☐ Geological map tile

15.1 50k Availability

Records within 500m

1

An indication on the coverage of 1:50,000 scale geology data for the site. Either 'Full' or 'No coverage' for each geological theme.

Features are displayed on the Geology 1:50,000 scale - Availability map on **page 95**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	Full	EW315_southampton_v4

This data is sourced from the British Geological Survey.

