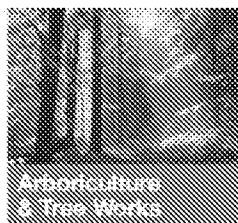




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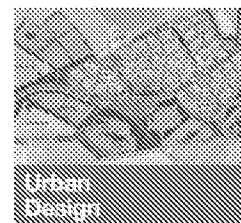
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JAMES BLAKE ASSOCIATES

Arboricultural Impact Assessment

Rustington Golf Centre, Golfers Lane, Angmering

BN16 4NB

on behalf of

BDW Homes, Southern Counties

4 February 2022

JBA 20/128 AR01 Issue B

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Project	Rustington Golf Centre, Golfers Lane, Angmering BN16 4NB
Report	Arboricultural Impact Assessment
Date	4 February 2022
Author	Peter Brais <i>BSc TechArborA</i>
Checked by	Simon Smith <i>TechArborA</i>

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1 SUMMARY

- 1.1 This Arboricultural Impact Assessment has been commissioned by BDW Homes, Southern Counties to accompany their planning submission for the construction of residential dwelling units and associated infrastructure.
- 1.2 This report has been prepared in accordance with British Standard 5837: Trees in relation to design, demolition and construction – Recommendations (2012). This document provides best practice advice, assessment and guidance with regards to the design, planning and implementation of new developments.
- 1.1 This report concludes that the proposal is acceptable subject to an extensive scheme of high-quality tree planting and a successful tree protection methodology.

2 INSTRUCTIONS

- 2.1 James Blake Associates has been instructed to carry out a survey of trees and significant vegetation within and directly adjoining land at Rustington Golf Course, Angmering in relation to the application for redevelopment of the site.
- 2.2 Our assessment was carried out in accordance with BS 5837:2012 'Trees in relation to design, demolition and construction - Recommendations'.
- 2.3 Details of all surveyed vegetation can be found within the Tree Survey Schedule at **Appendix 1**. All trees were visually inspected from ground level only and no diagnostic equipment or detailed decay investigation was carried out.
- 2.4 Our report is prepared to provide supporting evidence and justification for redevelopment in relation to the existing trees and vegetation within and neighbouring the site.
- 2.5 The contents of this report are copyright of James Blake Associates and may not be copied without the author's permission. James Blake Associates' Terms and Conditions apply to this report and all associated works in conjunction with this project.

Documents provided

- 2.6 This report has been prepared with reference to the following documentation;
- Topographical survey reference BSC/2102078/1-8 Rev A by CD Surveys Ltd
 - Proposed site layout reference SITE LAYOUT 86.dwg by Carlton Design Architects

3 OBSERVATIONS

Site visit

- 3.1 The site was visited by Simon Smith on 23 March 2021 to identify, measure and locate trees and significant vegetation within and directly adjoining the site.

Site and context

- 3.2 The site is a pitch and putt golf course, roughly triangular in shape, situated along the southern frontage of Rustington Golf Centre. It is surrounded by the main golf course and facilities to the north and west and arable fields to the east.
- 3.3 The A259 runs parallel with the southern boundary, with more intensive residential and retail development beyond forming the northern outskirts of Littlehampton.
- 3.4 Numerous groups of trees and shrubs are planted throughout the golf course, their age and size suggesting they were planted when the course was designed. A mature belt of Monterey pines extends north-south across the centre of the site; and a double row of Scots pines extends along the eastern edge of the golf centre's grounds, east of Golfers Lane. A maintained hedge runs along part of the northern boundary.

The trees and groups contribute significantly to the local landscape; and many are of moderate value due to their high visual amenity and good condition.

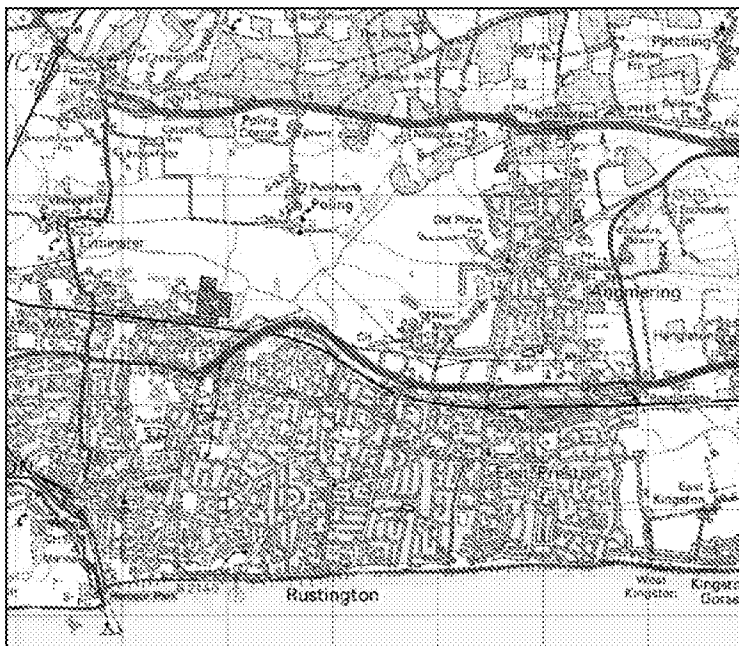


Fig 1: Approximate site boundary and site in relation to its surroundings

4 VIEWS OF TREES



Photograph 1 (above). Central belt of trees G11, G10, G12, G13 and T14 (from right-to-left) all Monterey pine except G10, mixed species. Viewed looking towards the south-east.



Photograph 2. Overview of trees along the southern boundary with the A259. Viewed looking towards the west.



Photograph 3 (above). Close-up of high-quality group G11, Monterey pine. Viewed looking towards the east.



Photograph 4. T22 - T34 situated to the west of Golfers Lane and T36 - T44, with G46, Scots pine, in the background, to the east. Viewed looking towards the north.



Photograph 5 (above). G35, Japanese cherry and silver birch, situated to the north-east of the site to the north of Golfers Lane. Viewed looking towards the east.



Photograph 6. H47 and H48, cherry laurel, located along the northern boundary. Viewed looking towards the north-west

5 TECHNICAL INFORMATION

Statutory protection

- 5.1 According to Arun District Council's website, viewed on 4 February 2022, the site is not located within a Conservation Area.
- 5.2 As of the date of this report, the same website shows no trees within the site are the subject of a Tree Preservation Order.

Soils and Geology

- 5.3 This information is obtained from The British Geological Survey (online) 'Geology of Britain Viewer' but is provided only as a guideline to assist with assessment of site conditions in relation to rooting habits of trees.
- 5.4 Soil conditions have the potential to affect tree growth, rooting depth and extent, species selection and foundation design and therefore a detailed soil assessment should be carried out by a competent person.
- 5.5 Bedrock geology is described as being New Pit Chalk Formation - Chalk. Superficial deposits are shown as being River Terrace Deposits (undifferentiated) – Sand, Silt and Clay.

Planning policy

- 5.6 The National Planning Policy Framework sets out the government's planning policies for England and how these should be applied. The document replaces all previous documents and came into action in July 2018, subsequently updated February 2019.
- 5.7 The NPPF supports and promotes sustainable development, which it defines as having three dimensions; social, economic and environmental. It goes on to state that these three dimensions are mutually dependent and to achieve sustainable development they must be sought simultaneously.
- 5.8 Specifically, the NPPF states that "development resulting in the loss or deterioration of irreplaceable habitats (such as ancient woodland or ancient or veteran trees) should be refused, unless there are wholly exceptional reasons and a suitable compensation strategy exists."
- 5.9 No ancient or veteran trees were noted during the survey.

6 ARBORICULTURAL APPRAISAL

- 6.1 Dimensions, comments and information gathered for each survey entry is provided in the tree schedule at **Appendix 1**. The location, root protection area, crown spread and BS5837 categorisation is shown on the appended tree survey drawing at **Appendix 2**.
- 6.2 Of the 49 survey entries, 31 were assessed as being semi mature, 13 were early and five were mature.
- 6.3 The survey assessed the tree population as consisting predominantly of moderate to low quality trees. Of the 49 survey entries just one was deemed to be of high quality and value (A category), 34 were of moderate quality and value (B category), and the remaining 14 were assessed as being low quality and value (C category).

Identified impacts

- 6.4 Drawings JBA 20_128_TR01 rev C Tree Removal Plan-TR01 (1), (2), (3) and (4) at **Appendix 2** shows the proposed layout and tree removals necessary to implement the proposed development.
- 6.5 The arboricultural impacts have been assessed and are deemed to be acceptable. In respect of the proposal the following have been identified as being of most significance:
- Tree removals;
 - Path Construction;
 - Tree protection requirements; and
 - Replacement planting

Tree removals

- 6.6 In order to implement the proposal, it will be necessary to remove a total of 28 individual trees, groups and sections of groups.
- 6.7 Most of these removals will be to accommodate the new primary access, internal roads and residential housing across the site. Removals comprise trees T5, T7, T14, T22 - T29, T31 - T34 the southern section of groups G2, G4, G6, G10, G15 - G19, the western part of G20, the two most southern trees within G21, G30 and G35.

- 6.8 Whilst the internal vegetation to be removed is noticeable, it is mitigated by the screening provided by retained trees along the southern boundary bolstered by the proposed high-quality compensatory planting in this and other parts of the site.
- 6.9 Retained trees can be adequately protected throughout the development process by the installation of robust tree protection fencing before any construction commences on site.

Path & Road Construction under Supervised Excavation

- 6.10 Paths and roads within the site encroach into the precautionary root protection areas of the northern trees within groups G1 and G8, the northern most trees within G11, G12 and G20, the eastern and southern-most trees within G21 and the western edge of off-site group G45.
- 6.11 The sandy nature of the superficial soil deposits infer that the trees are likely to have developed roots at depth. When taken into consideration with the shallow excavation depths for the paths it is reasonable to assume that rooting will be deeper than 300mm. Consequently, excavations required for the paths taking place within the RPA periphery are unlikely to encounter any significant roots.
- 6.12 Excavations within RPAs will be carried out under the direct supervision of the appointed arboricultural consultant, and the following measures will be undertaken to minimise the risk of root damage:
- 6.13 Excavations will be carried out manually using appropriate hand tools OR using an air lance to expose tree roots to minimise the potential for root damage.
- 6.14 Where roots **below** 25mm diameter are encountered, pruning will only be carried out by the arboricultural consultant, using sharp, sterile tools suitable to the size of the root to be cut i.e., sharp hand saw or secateurs (if appropriate). Where possible roots will be pruned cleanly back to a side branch.
- 6.15 If roots **exceeding** 25mm in diameter are encountered, no severance must take place without first consulting the project arboriculturist, to assess any potential impact of removal on tree health and stability.
- 6.16 The paths will be finished with permeable surfacing to allow for continued water transfer and gaseous exchange in the soil, essential for root health.

No Dig path Construction

- 6.17 Paths within the central part of the site encroach into the precautionary root protection areas of G11, G12 and G13, and will be constructed using no-dig methodology to minimise any root damage.
- 6.18 A 3-dimensional cellular confinement system such as ProtectaWeb or Cellweb will be used to construct the paths.
- 6.19 Existing surface vegetation will be removed by hand tools or by using a suitable herbicide, applied at the manufacturer's recommended rate and by suitably qualified personnel.
- 6.20 Once the area has been cleared, any hollows will be filled using no fines 4/20 clean angular stone or sharp sand (not builder's sand).
- 6.21 A geotextile membrane (Root-Tex 30, Treetex or similar approved) will be laid over the ground, between pegged timber edging if used, and overlapping membrane joints by a minimum 300mm. Keep the membrane in place temporarily using stakes or weights.
- 6.22 Ensure membrane is clean and free from debris before laying cellular system. Pin the cellular system in place as per manufacturer's instructions and expand the panel to its full length.
- 6.23 If full panels are not being used, ensure the cells have been expanded to their full dimension.
- 6.24 Staple any adjacent panels together using stapler and staples.
- 6.25 The correct specification of the granular infill is vital to the long-term performance of the system. Use only 4/20mm or 20/40mm clean angular stone to BS EN 13242 and 12620 according to the manufacturer's instructions. Work towards the tree, using infilled panels as a platform.
- 6.26 Fill the cells with specified aggregate and allow 25mm overflow for any settlement.
- 6.27 If edging is required, options include peg and treated timber board edging or wooden sleepers.
- 6.28 Cover the subbase with a suitable final permeable surface and can include block paving, porous asphalt, gravel retention system. Lay the surface in accordance with manufacturer's recommendations.

Tree Protection

- 6.29 Initially tree protection fencing will be installed in the default position around G1, G3, G8, G11, G12, G13, G20 and G21 to encompass the entire crown spread, or root protection area, whichever is greatest, to provide maximum tree protection.
- 6.30 It will be moved to the position shown in Drawings JBA 20_128 rev B Tree Protection Plan-TP01(1), (2), (3) and (4) at **Appendix 2** showing the position and extent of tree protection that will be required during construction and will be dependent on the agreed phasing schedule.
- 6.31 No specialised construction methods are required, and fencing will be relocated temporarily, when necessary, to carry out the no dig path construction with G13. All other works are outside precautionary RPAs of retained trees.
- 6.32 Tree protection will consist of robust fencing secured to a solid framework as recommended within BS5837 2012.
- 6.33 It shall be located on the outer edge of the RPA or crown spread, whichever is greater, and should not be removed unless arboricultural supervision is in place.

Replacement planting

- 6.34 The development proposals include a comprehensive landscape strategy which includes significant tree, shrub and hedgerow planting.
- 6.35 As part of the proposals a significant number of new trees will be planted at key locations throughout the development.
- 6.36 These new trees offer the opportunity to enhance the tree population that currently occupies the site, particularly along the southern boundary, and ensures the continuation of visual and green amenity for future generations.

7 CONCLUSIONS AND RECOMMENDATIONS

- 7.1 The constraints that existing trees and vegetation pose to development have been assessed in accordance with BS5837: 2012 and through ongoing liaison between the design team and James Blake Associates.
- 7.2 This continuing involvement has culminated in a proposal that seeks to improve and enhance the tree scape of the site and the wider area whilst offering a sustainable approach to development.
- 7.3 Minor encroachment into root protection zones has been designed to ensure the health and stability of affected trees is not compromised, and any potential; damage is minimised.
- 7.4 A pre-commencement meeting and arboricultural supervision for key stages in the development, that have the potential to impact trees, is recommended to ensure that the tree protection requirements are understood and correctly implemented.
- 7.5 It is recommended that the proposal is approved subject to the above, an extensive scheme of high-quality tree planting and a successful tree protection methodology in accordance with the tree protection plans.

APPENDIX 1: TREE SURVEY SCHEDULE

Tree Survey Schedule - Key

Life Stage	Description	Key	Description	BS Category	Description	
NP	Newly planted	Stem Ø (mm) at 1.5m	Diameter of stem(s) in millimetres measured at 1.5m above ground level in accordance with BS 5837:2012.	A	Tree(s) of high quality with an estimated remaining life expectancy of at least 40 years.	
Y: Young	An establishing tree that could be easily transplanted.	Stems	Trees are single-stemmed unless noted otherwise in schedule.	B	Tree(s) of moderate quality with an estimated remaining life expectancy of at least 20 years.	
SM: Semi Mature	An established tree still to reach its ultimate height and spread and with considerable growth potential.	Height of (FSB)	Height of first significant branch above ground level.	C	Tree(s) of low quality and value with an estimated remaining life expectancy of at least 10 years, or young trees with a stem diameter below 150 mm.	
EM: Early Mature	A tree reaching its ultimate height and whose growth is slowing however it will still increase in stem diameter and crown spread.	Crown Spread	Crown spread at the four cardinal points, North, South, East and West.	U	Unsuitable for retention. Trees in such a condition that they cannot realistically be retained as living trees in the context of the current land use for longer than 10 years.	
M: Mature	A tree with limited potential for further significant increase in size although is likely to have a long safe useful life expectancy.	Condition	Assessment of the physiological and structural condition of the tree observed at the time of surveying.	RPA radius (m)		Radius of Root Protection Area (RPA) in metres based on relevant calculation in BS5837:2012 section 4.6.
OM: Over Mature	A senescent or moribund tree with a limited useful life expectancy.	ERC (Years)	Estimated Remaining Contribution in Years (<10, 10+, 20+, 40+)	RPA Area (m2)		A layout design tool indicating the minimum area surrounding the tree that contains sufficient rooting volume to maintain the tree's viability, and where the protection of the roots and soil structure is treated as a priority. Size and shape based on calculations and constraints noted in BS5837:2012 section 4.6.
V: Veteran	A tree older than typical for its species and of significant ecological, cultural or aesthetic value.					

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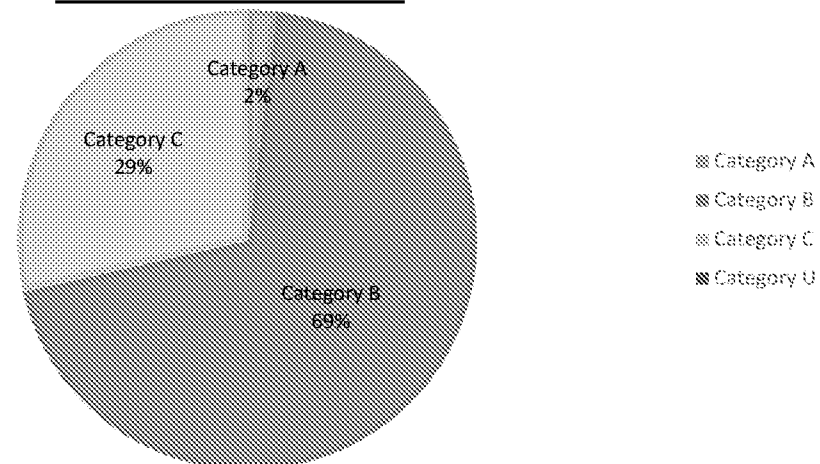
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Submitted: 16/06/2016 | Accepted: 21/12/2016

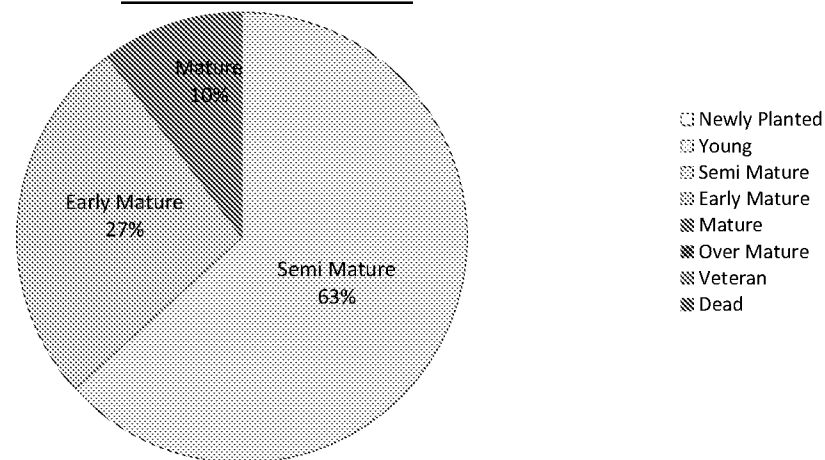
BS Category	Total
Category A	1
Category B	34
Category C	14
Category U	0
	49

Age Class	Total
Newly Planted	0
Young	0
Semi Mature	31
Early Mature	13
Mature	5
Over Mature	0
Veteran	0
Dead	0
	49

BS CATEGORY CHART



AGE CLASS CHART



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James Blake & Associates, Inc. No. 1124121

Tree Survey Schedule

Site name: Rustington Golf Centre
Client: BDW Southern Counties
Job Number: 20/128

Survey Date: 23 March 2021
Surveyor: Simon Smith

Tree No.	Tree Species	Life Stage	Stem Ø (mm) at 1.5m	Height (crown height) (m)	Height of {FSB}	Crown Spread				Condition	Comments	Tree Management Recommendations	ERC (Years)	BS Cat	RPA Radius (m)	RPA area (m2)
						N	E	S	W							
G1	Alnus cordata (Italian Alder),Crataegus monogyna (Common Hawthorn),Ilex aquifolium (Common Holly)	SM	511	14(1)		5.5	5	3.5	1.5	Good	Largest stem diameter recorded. Good vitality. Group dominated by four Italian alders among shrub understorey. Merges with group on highway verge south of fence.		20+	B2	6.1	118
G2	Pinus radiata (Monterey Pine),Betula pendula (Silver Birch),Carpinus betulus (Hornbeam),Pinus sylvestris (Scots Pine),Quercus robur (Common Oak)	EM	690	15(1.5)		6.5	11	8	2.5	Good	Largest stem diameter recorded. Good vitality. Group dominated by three sub-groups of early mature Monterey pines with other semi mature species forming extensive understorey.		20+	B2	8.3	215
G3	Alnus cordata (Italian Alder),Crataegus monogyna (Common Hawthorn),Sambucus nigra (Elder)	EM	540	15(1)		7	5	5	2	Good	Largest stem diameter recorded. Good vitality. Group dominated by four Italian alders among shrub understorey. Merges with group on highway verge south of fence.		20+	B2	6.5	132
G4	Alnus cordata (Italian Alder),Ilex aquifolium (Common Holly),Crataegus monogyna (Common Hawthorn)	SM	370	14(0)		2	4.5	3	4	Good	Largest stem diameter recorded. Good vitality. Group dominated by five Italian alders with shrub understorey.		20+	B2	4.4	62
T5	Carpinus betulus (Hornbeam)	SM	250	7(1.5)	2.2	4.5	4	4	3.5	Good	Good vitality. Typical crown form with no major defects.		20+	B1	3.0	28
G6	Alnus cordata (Italian Alder),Quercus robur (Common Oak),Ilex aquifolium (Common Holly),Crataegus monogyna (Common Hawthorn)	EM	510	14(0)		6	2	5	5	Good	Largest stem diameter recorded. Good vitality. Group of six early mature Italian alders and two semi mature oaks among shrub understorey.		20+	B2	6.1	118

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Tree No.	Tree Species	Life Stage	Stem Ø (mm) at 1.5m	Height (crown height) (m)	Height of (FSB)	Crown Spread				Condition	Comments	Tree Management Recommendations	ERC (Years)	BS Cat	RPA Radius (m)	RPA area (m2)
						N	E	S	W							
T7	Alnus cordata (Italian Alder)	SM	370	13(0)	3W	5	5	4	4	Good	Good vitality. Typical crown form with no major defects.		20+	B1,B2	4.4	62
G8	Alnus cordata (Italian Alder),Crataegus monogyna (Common Hawthorn)	EM	609	17(1)		5	4	6	6	Good	Largest stem diameter recorded. Good vitality. Group of nine Italian alders among shrub understorey. Eastern end merges with linear tree belt south of fence.		20+	B2	7.3	168
G9	Alnus cordata (Italian Alder),Crataegus monogyna (Common Hawthorn)	EM	460	12(2)		6	4.5	5	4	Good	Largest stem diameter recorded. Good vitality. Linear group of six Italian alders with shrub understorey. Western end merges with linear tree belt south of fence.		20+	B2	5.5	96
G10	Populus alba (White Poplar),Betula pendula (Silver Birch),Alnus cordata (Italian Alder),Carpinus betulus (Hornbeam),Quercus robur (Common Oak),Acer campestre (Field Maple)	SM	450	12(2)		5.5	2	5.5	3.5	Good	Largest stem diameter recorded. Good vitality.		20+	B2	5.4	92
G11	Pinus radiata (Monterey Pine)	M	910	25(2)		7	9	6	7	Good	Largest stem diameter recorded. Good vitality. Group of seven trees within site continues to south with four more pines beyond fence.		40+	A2	10.9	374
G12	Pinus radiata (Monterey Pine)	M	1150	26(3)		5	9	6	9	Good	Largest stem diameter recorded. Good vitality. Minor dead wood. Stem pruning wounds. Historic crown lift. Stems not identified on topographical survey. Seventeen trees in three irregular lines of five, six and six trees respectively. Significant stem wound on third tree from northern end of western line.		20+	B2	13.8	598

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Tree No.	Tree Species	Life Stage	Stem Ø (mm) at 1.5m	Height (crown height) (m)	Height of (FSB)	Crown Spread				Condition	Comments	Tree Management Recommendations	ERC (Years)	BS Cat	RPA Radius (m)	RPA area (m2)
						N	E	S	W							
T28	Prunus sp. (Japanese Cherry)	SM	140	5.5(3)	2E	3	3.5	2.5	2	Good	Good vitality.		10+	C2	1.7	9
T29	Quercus robur (Common Oak)	SM	250	7.5(3.5)	2.5	4	4.5	4	4.5	Good	Good vitality.		20+	B1	3.0	28
G30	Prunus sp. (Japanese Cherry)	SM	150	5.5(3)	2.5	3	3	2	1	Good	Largest stem diameter recorded. Good vitality. Historic crown lift.		10+	C2	1.8	10
T31	Prunus sp. (Japanese Cherry)	SM	150	5.5(3)	2.5	3	3	1	1	Good	Good vitality.		10+	C2	1.8	10
T32	Quercus robur (Common Oak)	SM	300	8.5(3)	2E	3.5	6	4	3.5	Good	Good vitality.		20+	B2	3.6	41
T33	Quercus robur (Common Oak)	SM	230	8(3)	3	3.5	4	2.5	3	Good	Good vitality.		20+	B2	2.8	24
T34	Quercus robur (Common Oak)	SM	270	8(3)	3.5	4.5	5	4	4	Good	Good vitality.		20+	B2	3.2	33
G35	Prunus sp. (Japanese Cherry), Betula pendula (Silver Birch)	SM	140	8(2.5)	2	2	2	1	1	Good	Largest stem diameter recorded. Good vitality. Scattered group of fourteen trees, dominated by cherry.		10+	C2	3.2	33
T36	Betula pendula (Silver Birch)	SM	210	10(2)	3	2.5	2	2.5	2	Good	Not identified on topographical survey. Good vitality.		20+	B1	2.5	20

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Associate Directors: 131 Ltd, 131 Ltd, 131 Ltd, 131 Ltd, 131 Ltd, 131 Ltd

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Tree No.	Tree Species	Life Stage	Stem Ø (mm) at 1.5m	Height (crown height) (m)	Height of (FSB)	Crown Spread				Condition	Comments	Tree Management Recommendations	ERC (Years)	BS Cat	RPA Radius (m)	RPA area (m2)
						N	E	S	W							
T37	Quercus robur (Common Oak)	SM	210	7(3)	2.5	3.5	4	2.5	4	Good	Not identified on topographical survey. Good vitality.		20+	B2	2.5	20
T38	Quercus robur (Common Oak)	SM	270	8(2)	2.5	4	5	4	5	Good	Not identified on topographical survey. Good vitality.		20+	B2	3.2	33
T39	Quercus robur (Common Oak)	SM	340	8(3)	2.5	5	4	4	5	Good	Not identified on topographical survey. Good vitality.		20+	B2	4.1	52
T40	Carpinus betulus (Hornbeam)	SM	220	8(2)	2.5	4	4	3.5	3	Good	Not identified on topographical survey. Good vitality.		20+	B2	2.6	22
T41	Quercus robur (Common Oak)	SM	190	7(3)	3	3.5	2	2	3	Good	Not identified on topographical survey. Good vitality.		10+	C1	2.3	16
T42	Betula pendula (Silver Birch)	SM	180	8(2)	2	3.5	2	3	2	Good	Not identified on topographical survey. Good vitality.		20+	B2	2.2	15
T43	Betula pendula (Silver Birch)	SM	190	8(2.5)	2	2.5	2.5	2.5	2.5	Good	Not identified on topographical survey. Good vitality.		20+	B2	2.3	16
T44	Betula pendula (Silver Birch)	SM	100	6(1.5)	2	1.5	1	2	2	Good	Not identified on topographical survey. Good vitality.		10+	C1	1.2	5
G45	Populus alba (White Poplar),Acer campestre (Field Maple),Quercus robur (Common Oak),Carpinus betulus (Hornbeam)	EM	480	16(2)		7	3	7	6	Good	Not identified on topographical survey. Good vitality. Naturally leaning stems.		20+	B2	5.8	104

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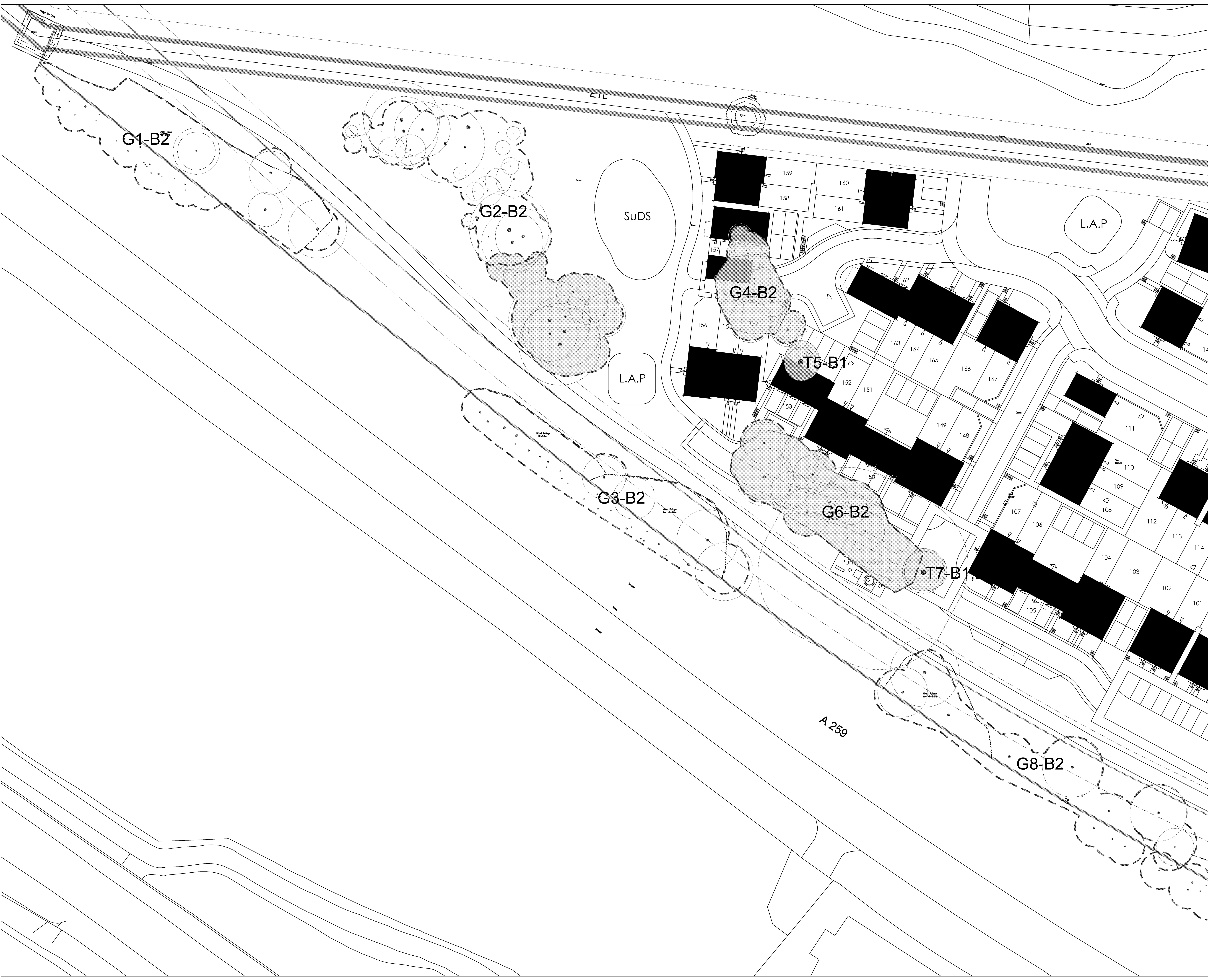
Registration no: 10100001, VPA no: 10100001

Tree No.	Tree Species	Life Stage	Stem Ø (mm) at 1.5m	Height (crown height) (m)	Height of (FSB)	Crown Spread				Condition	Comments	Tree Management Recommendations	ERC (Years)	BS Cat	RPA Radius (m)	RPA area (m2)
						N	E	S	W							
G46	Pinus sylvestris (Scots Pine)	SM	310	9(2)		3.5	3.5	3.5	3.5	Good	Not identified on topographical survey. Good vitality. Double row.		20+	B2	3.7	43
H47	Prunus laurocerasus (Cherry Laurel)	EM	50	2(0)		1	1	1	1	Fair	Maintained formal hedge.		10+	C2		
H48	Prunus laurocerasus (Cherry Laurel)	EM	50	2(0)		1	1	1	1	Fair	Maintained formal hedge.		10+	C2		
G49	Populus alba (White Poplar),Acer campestre (Field Maple),Quercus robur (Common Oak),Carpinus betulus (Hornbeam)	SM	350	12(2.5)		8	5	6	4	Good	Largest stem diameter recorded. Stem diameter estimated. Good vitality. Linear group on verge outside site boundary.		20+	B2	4.2	55

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APPENDIX 2: JBA DRAWINGS



- KEY**
- Existing Tree or Group colour referenced in accordance with BS 5837:2012 as shown below
 - Existing hedge or group colour coded as above in accordance with BS 5837.
 - Blue - Category B tree of moderate quality and value.
 - Grey - Category C tree of low quality and value.
 - Green - Cat A Groups/hedges of high quality and value.
 - Blue - Cat B Groups/hedges of moderate quality and value.
 - Grey - Cat C Groups/hedges of low quality and value.
 - Root Protection Area as calculated in accordance with BS 5837:2012
 - Shaded groups/hedges/trees to be removed
 - Site Boundary.

GENERAL NOTES

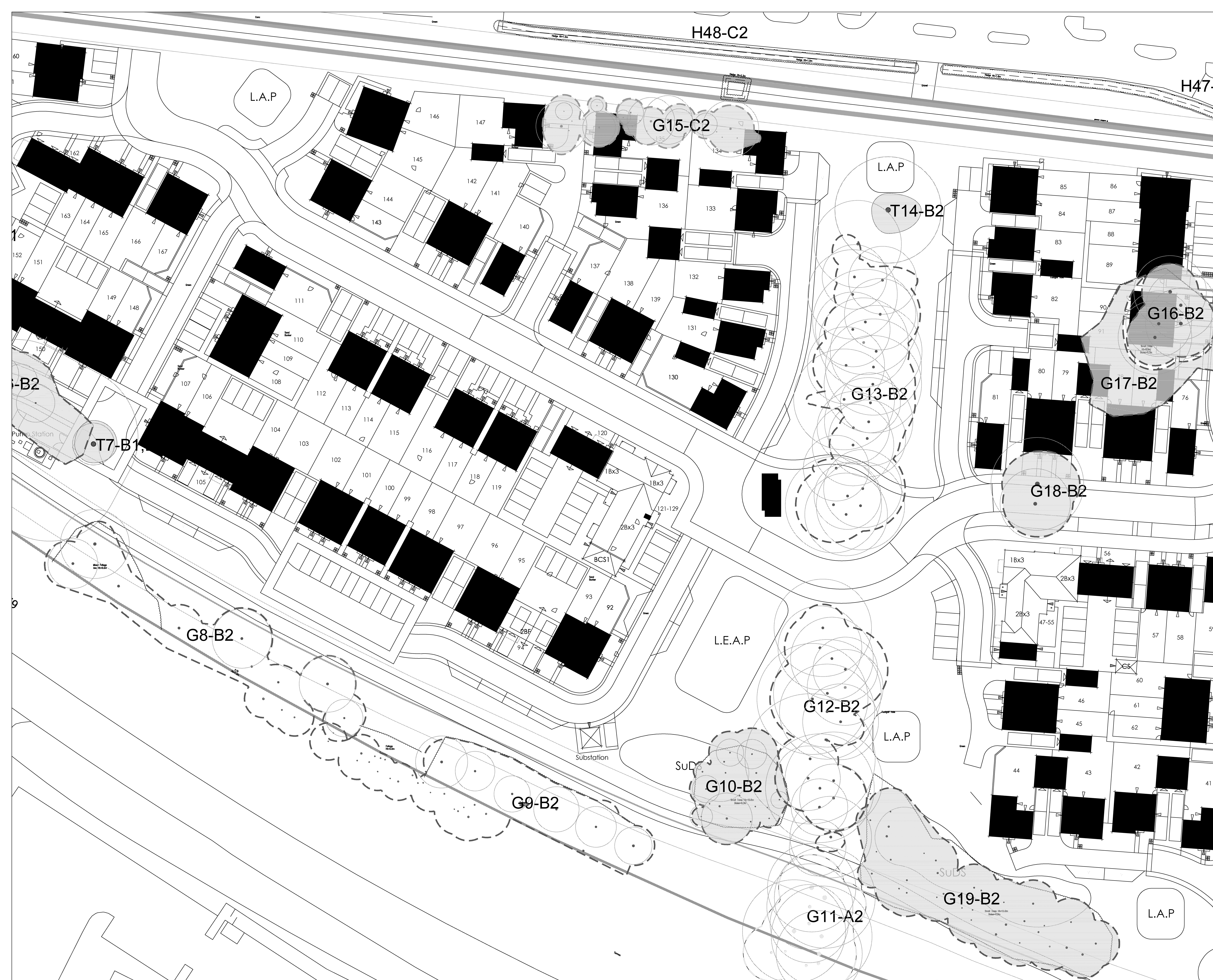
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JAMES BLAKE ASSOCIATES LTD 2021

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REV	DATE	BY	CHKD	APPD	SCALE	DATE	DWG NO.	REV.
1	2021	JB	JB	JB	1:200	20.03.2021	JB-2021-001	1

CLIENT: NEWPORTS OUTSTANDING
SITE: NEWPORTS OUTSTANDING
PURPOSE OF ISSUE: TREE REMOVAL PLAN



- ### KEY
- Existing Tree or Group colour referenced in accordance with BS 5837:2012 as shown below
 - Existing hedge or group colour coded as above in accordance with BS 5837.
 - Blue - Category B tree of moderate quality and value.
 - Grey - Category C tree of low quality and value.
 - Green - Cat A Groups/hedges of high quality and value.
 - Blue - Cat B Groups/hedges of moderate quality and value.
 - Grey - Cat C Groups/hedges of low quality and value.
 - Root Protection Area as calculated in accordance with BS 5837:2012
 - Shaded groups/hedges/trees to be removed
 - Site Boundary.

GENERAL NOTES

DO NOT SCALE OFF THIS DRAWING

ALL DIMENSIONS TO BE CHECKED ON SITE

JAMES BLAKE ASSOCIATES LTD 2021

CLIENT	NEW FARM SOUTH COAST	DWG TITLE	TREE REMOVAL PLAN
DATE	20.03.2021	DATE	20.03.2021
DESIGNED BY	JB	CHECKED BY	JB
AUTHOR	JB	SCALE	1:250
DATE	20.03.2021	DWG NO.	JB-2019-1001
REV.	1	REV.	1

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- KEY**
- Existing Tree or Group colour referenced in accordance with BS 5837:2012 as shown below
 - Existing hedge or group colour coded as above in accordance with BS 5837.
 - Blue - Category B tree of moderate quality and value.
 - Grey - Category C tree of low quality and value.
 - Green - Cat A Groups/hedges of high quality and value.
 - Blue - Cat B Groups/hedges of moderate quality and value.
 - Grey - Cat C Groups/hedges of low quality and value.
 - Root Protection Area as calculated in accordance with BS 5837:2012
 - Shaded groups/hedges/trees to be removed
 - Site Boundary.

GENERAL NOTES

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REV	DATE	BY	CHKD	APP'D	SCALE	DATE	DWG NO.	REV.
1	2021	JB	JB	JB	1:250	20.03.2021	JB-2019-1910	C

CLIENT: NEW FARM SOUTH COASTS
DWG TITLE: TREE REMOVAL PLAN
SITE: RECREATION GOLF CENTRE
PURPOSE OF ISSUE:
DRAWN BY: JB
CHECKED BY: JB
AUTHOR: JB
SCALE: 1:250
DATE: 20.03.2021
DWG NO.: JB-2019-1910
REV.: C

KEY

T1

G1

Existing Tree or Group colour referenced in accordance with BS 5837:2012 as shown below

Existing hedge or group colour coded as above in accordance with BS 5837.

Blue - Category B tree of moderate quality and value.

Grey - Category C tree of low quality and value.

Green - Cat A Groups/hedges of high quality and value.

Blue - Cat B Groups/hedges of moderate quality and value.

Grey - Cat C Groups/hedges of low quality and value.

Root Protection Area as calculated in accordance with BS 5837:2012

Shaded groups/hedges/trees to be removed

Site Boundary.

GENERAL NOTES

DO NOT SCALE OFF THIS DRAWING
ALL DIMENSIONS TO BE CHECKED ON SITE
JAMES BLAKE ASSOCIATES LTD 2021

CLIENT
NEW FOLDS SOUTH COAST

DATE
25.03.2021

DESIGNER
JBL

CHECKED
JBL

AUTHOR
JBL

SCALE
1:250 @ A1

DATE
25.03.2021

DWG NO.
JBL-2021-0014

REV.
C

DRG TITLE
TREE REMOVAL PLAN

DATE
25.03.2021

DWG NO.
JBL-2021-0014

REV.
C

JAMES BLAKE ASSOCIATES

LANDSCAPE ARCHITECTURE • ARBORICULTURE • ECOLOGY



KEY

- Existing Tree or Group colour referenced in accordance with BS 5837:2012 as shown below
- Existing hedge or group colour coded as above in accordance with BS 5837
- Blue - Category B tree of moderate quality and value.
- Grey - Category C tree of low quality and value.
- Green - Cat A Groups/hedges of high quality and value.
- Blue - Cat B Groups/hedges of moderate quality and value.
- Grey - Cat C Groups/hedges of low quality and value.
- Root Protection Area as calculated in accordance with BS 5837:2012
- Approximate line of protective fencing to be erected in accordance with BS 5837:2012 to be maintained throughout enabling and construction works.
- Path construction within Construction Exclusion Zones: under arboricultural supervision. Refer to arboricultural documents.
- G2: temporary ground protection within Root Protection Area. Refer to arboricultural documents.
- Site Boundary.
- Path construction within Construction Exclusion Zones using NO-DIG methods. Refer to arboricultural documents.



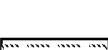
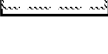
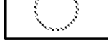
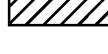
GENERAL NOTES
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DATE: 10/01/2021		BY: JBL		CHECKED: JBL		APPROVED: JBL	
CLIENT: RUSSETT GROUP		PROJECT: RUSSETT GROUP		DRAWING: TREE PROTECTION PLAN		DRAWING NO: 10/01/2021	
SITE: RUSSETT GROUP		FOR: RUSSETT GROUP		DATE: 10/01/2021		BY: JBL	
DATE: 10/01/2021		BY: JBL		CHECKED: JBL		APPROVED: JBL	
DATE: 10/01/2021		BY: JBL		CHECKED: JBL		APPROVED: JBL	

JAMES BLAKE
LANDSCAPE ARCHITECTURE • ARBORICULTURE • ECOLOGY



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GENERAL NOTES

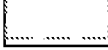
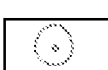
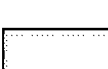
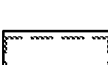
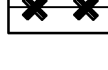
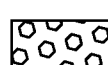
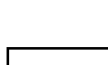
9	01/03/2021	002	UPDATED TO NEW LAND USE
10	01/03/2021	003	UPDATED TO NEW LAND USE
REV	DATE	SCALE	DETAILS
CLIENT			DRWG TITLE
BOW HOMES SOUTHERN COUNTIES			TREE PROTECTION PLAN
SITE			
NUTTERTON SOUL CASTLE			
PURPOSE OF ISSUE			
DRG BY	DRAWN BY	AUTH'D BY	SCALE
SAB	JSA	JSA	1:50 @ A3
DATE	DRWG NO.	REV.	
26.01.2021	JSA 22138 19/12	1	

JAMES BLAKE

JAMES BLAKE



KEY

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GOLFERS LANE



GENERAL NOTES

8	01-20-2021	DOJ	UPDATED TO NEW LEAD
9	01-20-2021	DOJ	UPDATED TO NEW LEAD
NEW DATE	DETAILS	DETAILS	DETAILS

CLIENT	CRIM. TITLE
BOW HOMES SOUTHERN COUNTIES	TRSE PROTECTION PLAN
DATE	
WASHINGTON D.C. ISSUE	
PURPOSE OF ISSUE	

DRD BY	CHECKED	AUTH'D	SCALE	DATE	CRIM NO.	REV.
SAB	JSA	JSA	1:00 @40	26-05-2021	JSA 2018 19703	8

JAMES BLAKE

Head Office: 34-52 Out Westgate, Bury St Edmunds, Suffolk IP33 3PA Tel: (01284) 335707



KEY

- | | |
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[illegible]