1MC04 Main Works - Contract Lot S2

Arboricultural Report - Impact Assessment - Ruislip Golf Course S2

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		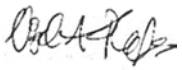				

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Contents

Abbreviations

Abbreviation	Definition
AMS	Arboricultural Method Statement
CEZ	Construction Exclusion Zone
MWCC	Main Works Construction Contract
RAMS	Risk Assessment Method Statements
RPA	Root Protection Area
SCSJV	Skanska Costain STRABAG Joint Venture
TPO	Tree Preservation Order
TPP	Tree Protection Plan
VTA	Visual Tree Assessment method

1 Introduction

1.1 Background to the proposed development

1.1.1 This Arboricultural Survey Report is prepared by The Ecology Consultancy on behalf of High Speed Two Ltd. (the applicant), to support the planning application for Ruislip Golf Course, London.

1.1.2 Ruislip Golf Course is a municipal golf course, owned and operated by the London Borough of Hillingdon (LB Hillingdon). It falls partially within the alignment of the HS2 development. The High Speed Rail (London-West Midlands) Act 2017 (the HS2 Act), which gained Royal Assent in February 2017, conferred the necessary powers required to construct Phase One of the railway from London Euston to Birmingham Curzon Street. The southern part of Ruislip Golf Course falls within this boundary.

1.1.3 Construction of HS2 will result in land take from Ruislip Golf Course. The applicant has committed to designing and delivering a reconfigured golf course as part of a number of Undertakings and Assurances (U&A) that were agreed with LB Hillingdon (and which eventually formed part of the Hillingdon Agreement) during the passage of the Hybrid Bill through parliament.

1.2 Site location

1.2.1 The application site is in west London within LB Hillingdon. The application site comprises the majority of the existing golf course, the area of which is 36 hectares.

1.2.2 It is located to the north of West Ruislip Station, and is bounded: to the north and north-east by the Glenhurst Avenue allotments and Hill Lane playground and the rear curtilages of residential properties on Field Way and Hill Rise; to the east and south-east by the rear curtilages of residential properties on Sharps Lane, Ickenham Road and Harwell Close; to the south-west and the far south-east by the boundary of the HS2 development; and to the west and north-west by the River Pinn. The Ordnance Survey National Grid reference for the centre of the site is TQ 08104 87208.

1.3 Description of development

1.3.1 This application is for the redevelopment of the existing 18 hole Ruislip Golf Course to provide a nine hole golf course and six hole academy course, the creation of a new channel for the Ickenham Stream (canal feeder), and the demolition and replacement of the driving range with a new 20-bay driving range.

1.3.2 The description of development is as follows:

1.3.3 Full application for remodelling of Ruislip Golf Course, incorporating: reconfiguration of 18 existing hole course into a nine hole course, short game practice area, putting green and six

hole academy course; construction of a single storey rifle range; demolition of existing covered driving bays and construction of replacement 20 bay driving range, including associated floodlights and safety netting; a new drainage system and associated ponds; ecological and landscaping works; realignment and enhancement of the Hillingdon Trail and creation of a new public footpath; excavation of a new channel for the Ickenham Stream (canal feeder); and other associated works.

1.4 Scope of report

1.4.1 In line with the requirements contained with the London Borough of Hillingdon's Pre-Application letter issued in February 2019 this report has been produced in accordance with British Standard BS 5837:2012 Trees in Relation to Design, Demolition and Construction – Recommendations (hereby referred to as BS 5837:2012). It provides information on the current condition of trees at the site, their suitability for retention, and the above and below ground constraints to development. In line with the requirements contained with the London Borough of Hillingdon's Pre-Application letter (Ref: 10737/PRC/2018/204) issued in February 2019 the report consists of a full arboricultural assessment containing a plan of trees to be retained and removed, a tree protection plan and an Arboricultural Method Statement.

1.4.2 Any clear flaws or hazards have been identified in the Schedule of Trees provided in Appendix 1. Preliminary recommendations for the management of retained trees are provided, but a full hazard risk assessment comprising a more comprehensive analysis of tree condition and potential risk to target areas is beyond the scope of this report. Any recommendations relating to the management of potentially hazardous trees should be carried out as soon as possible[1].

1.4.3 This document is structured as follows:

- Section 1: Provides an executive summary of the findings of the survey and impact assessment
- Section 2: Describes background information in relation to the site and development proposals
- Section 3: Sets out methodologies used when producing the report
- Section 4: Details the results of the arboricultural survey and impact assessment
- Section 5: Provides site specific and generic methodologies of tree protection to be implemented over the course of development works.

[1] All tree works should be undertaken by a suitably qualified Arboricultural Contractor. Any proposed tree works should be undertaken in accordance with British Standard BS 3998:2010 Treework - Recommendations.

2 Methodology

2.1 Tree Survey

2.1.1 The tree survey was conducted in accordance with HS2 Stage 1 and 2 Tree Survey Specifications and with BS 5837:2012. The results of the survey are presented in the Schedule of Trees Stage 1 and 2 (Appendix 1 and 2) and include a sequential numbering of each tree, species listed by common name; tree dimensions including overall height; canopy spreads measured against the cardinal compass points; crown height; age, class; physiological condition; structural condition, life expectancy; root protection areas and preliminary management advice.

2.1.2 Each tree has been assigned a category grade in accordance with BS 5837:2012 categories A, B, C and U ranging from high to low quality.

2.1.3 The survey was undertaken in October 2018. All trees likely to be affected by works inside the red line boundary of the site were visually assessed using the Visual Tree Assessment Method (VTA) (Mattheck and Beloer, 1994).

2.1.4 Canopy spreads and stem diameters were measured using diameter tape or estimated by pacing, height measurements were taken using a laser clinometer. All other tree dimensions were estimated unless specifically indicated otherwise.

2.1 Desk study

2.1.1 A tree constraints check was undertaken using the LB Hillingdon online mapping system to search for the presence of Tree Preservation Order or Conservation Area restrictions to tree work in or adjacent to the site.

2.2 Tree retention and removal

2.2.1 Information detailed in the survey report, Tree Removal Plan (*1MC04-SCJ-EV-DPL-SS05_SL07-241200*), Construction Works Plan (1MC04-SCJ-EV-DPL-SS05_SL07241210), and the General Arrangement Plan (1MC04-SCJ-EV-DGA-SS05_SL07-240400) were used to prepare this assessment.

2.3 Personnel

2.3.1 The tree survey was led by James Potts BSc (Hons) MArborA. James is an arboriculturalist at The Ecology Consultancy with over 5 years' experience within the arboricultural sector working for a number of contractors prior to and during his university studies, he has been working with The Ecology Consultancy since August 2016.

2.3.2 The Arboricultural Impact Assessment report was carried out by Mark Cannon BA (Hons) Dip. LA, Tech Cert (ArborA) MArborA, an arboriculturalist with over 20 years' experience in the

arboricultural and built environment sectors. Mark has experience in providing professional expert arboricultural advice and recommendations in relation to trees and development. Mark is a professional member of the Arboricultural Association as well as gaining a BA (Hons) Degree and Post Graduate Diploma in Landscape Architecture at the University of Greenwich.

2.4 Limitations

2.4.1 A full hazard risk assessment comprising a more comprehensive analysis of the condition and potential risk to target areas is beyond the scope of this report.

2.4.2 One or more trees surveyed were ivy clad, inhibiting standard VTA inspection methods and stem measurements. As such, assumptions have been made relating to the condition and size of ivy clad trees. Management recommendations for ivy clad trees have been made in this report which should be implemented to remove any risk that may be posed by them.

2.4.3 The trees were inspected at ground level and no decay detection equipment was used.

2.4.4 One or more trees were situated in areas where access to the main stem was not possible. As such, assumptions have been made relating to their stem condition and dimensions.

2.4.5 Trees are living organisms and their health and condition change with time. Therefore, this assessment remains valid for 12 months from the date of inspection, or until a severe storm is experienced, after which time a new inspection is required. For the purpose of this report, a severe storm is defined as a period of violent weather, involving rain, hail, wind, snow, lightning or any combination of these, likely to cause damage to trees

2.4.6 No soil samples or analysis was undertaken to inform this report; although soil samples have been undertaken to inform the wider design and information is set out in the Design and Access Statement.

2.4.7 Despite these limitations, it is considered that this assessment is in compliance with the requirements of the British Standard BS 5837:2012 Trees in Relation to Design, Demolition and Construction.

3 Results

3.1 Tree Survey

3.1.1 The results of the Phase 1 tree survey are provided in the Schedule of Trees in Appendix 1, further information on BS 5837:2012 categorisation and RPAs for all trees surveyed is provided in Appendix 2, a Tree Constraints Plan is provided in Appendix 3.

3.1.2 The survey recorded 213 individual trees and 121 groups situated inside or adjacent to the site. These comprised: aspen (Populus tremula), bay willow (Salix pentandra), black poplar (Populus nigra), blackthorn (Prunus spinosa), common alder (Alnus glutinosa), common ash (Fraxinus excelsior), common elder (Sambucus nigra), common hawthorn (Crataegus monogyna), common lime (Tilia x europaea), corkscrew willow (Salix babylonica var. pekinensis 'Tortuosa'), crack willow (Salix fragilis), downy birch (Betula pubescens), English elm (Ulmus minor), European hornbeam (Carpinus betulus), field maple (Acer campestre), goat willow (Salix caprea), honey locust (Gleditsia triacanthos), Italian alder (Alnus cordata), Lawson cypress (Chamaecyparis lawsoniana), Leyland cypress (Cupressus x leylandii), Lombardy poplar (Populus nigra 'Italica'), London plane (Platanus acerifolia), Norway maple (Acer platanoides), Norway maple 'Crimson King' (Acer platanoides 'Crimson King'), pedunculate oak (Quercus robur), Portuguese laurel (Prunus lusitanica), red alder (Alnus rubra), red ash (Fraxinus pennsylvanica), red oak (Quercus rubra), silver birch (Betula pendula), silver maple (Acer saccharinum), small leaved lime (Tilia cordata), Swedish whitebeam (Sorbus x intermedia), Turkey oak (Quercus cerris), weeping willow (Salix babylonica), white poplar (Populus alba) and white willow (Salix alba).

3.1.3 Six tree groups comprised mixed broadleaf tree species, each described in Appendix 1.

3.1.4 The numbers of each species are provided in Table 1 below.

Species	Frequency	
	Tree	Tree Group
Aspen *(Populus tremula)*	2	3
Bay willow (*Salix pentandra*)	-	1
Black poplar (*Populus nigra*)	1	4
Blackthorn (*Prunus spinosa*)	-	9
Common alder (*Alnus glutinosa*)	24	3

Species	Frequency	
	Tree	Tree Group
Common ash (*Fraxinus excelsior*)	27	24
Common elder (*Sambucus nigra*)	1	-
Common hawthorn (*Crataegus monogyna*)	11	8
Common lime (*Tilia x europaea*)	2	
Corkscrew willow (*Salix babylonica var. pekinensis 'Tortuosa'*)	1	-
Crack willow (*Salix fragilis*)	15	11
Downy birch (*Betula pubescens*)	1	-
English elm (*Ulmus procera*)	-	4
European hornbeam (*Carpinus betulus*)	11	2
Field maple (*Acer campestre*)	10	2
Goat willow (*Salix caprea*)	6	4
Honey locust (*Gleditsia triacanthos*)	1	-
Italian alder (*Alnus cordata*)	1	1
Lawson cypress (*Chamaecyparis lawsoniana*)	2	3
Leyland cypress (*Cupressus x leylandii*)	-	2
Lombardy poplar (*Populus nigra 'Italica'*)	-	1
London plane (*Platanus acerifolia*)	-	1
Norway maple (*Acer platanoides*)	-	1
Norway maple 'Crimson King' (*Acer platanoides* 'Crimson King')	3	-
Pedunculate oak (*Quercus robur*)	50	25

Species	Frequency	
	Tree	Tree Group
Portuguese laurel (*Prunus lusitanica*)	1	-
Red alder (*Alnus rubra*)	10	-
Red ash (*Fraxinus pennsylvanica*)	2	-
Red oak (*Quercus rubra*)	4	
Silver birch (*Betula pendula*)	6	5
Silver maple (*Acer saccharinum*)	1	-
Small leaved lime (*Tilia cordata*)	8	2
Smooth leaved elm (*Ulmus minor*)	3	-
Swedish whitebeam (*Sorbus x intermedia) (Sorbus x intermedia*)	5	-
Turkey oak (*Quercus cerris*)	-	1
Weeping willow (*Salix alba*)	1	4
Weeping willow (*Salix babylonica*)	2	-
White poplar (*Populus alba*)	1	-

Table 1 - Species key and site frequency for trees potentially affected by development

3.1.5 Of the trees surveyed, a total of 47 individuals and 19 groups were found to be at a mature life stage[2], 66 individuals and 56 group were found to be semi mature, 73 individuals and 46 groups were found to be early mature, 14 individuals were found to be young and 13 individuals were found to be over mature.

[2] Young. Establishing; usually with good vigour, but as of limited significance within the landscape.
Semi-Mature. Established; normally vigorous and increasing in height. Of increasing landscape significance.
Early Mature. Fully established trees around the middle half of their life span retaining good vigour. Not yet achieved full height and retaining apical dominance.
Mature. Fully established trees retaining moderate vigour. Apical dominance lost but crown still spreading.
Over Mature. Fully mature trees in the last quarter of their usual life expectancy; vigour declining.

BS 5837:2012 assessment

3.1.6 Physiological and structural condition of the majority of the surveyed trees was consistent with Category C status (100 individuals and 48 groups). 31 individuals and 20 groups were attributed Category A status, 78 individuals and 53 groups were attributed Category B status and four individuals were attributed Category U status.

3.1.7 Root Protection Area (RPA) radius were calculated in accordance with BS 5837:2012 for each of the surveyed trees, this ranged between 0.2m and 15m, for AGL200050_TG_F00283 and AGL200050_T_F00298 respectively.

3.1.8 Full details on all RPAs and BS 5837:2012 categorisations can be found in the Schedule of Trees, Stage 2, displayed in Appendix 2. A Tree Constraints Plan detailing the location, canopy spread, category and RPA of each of the trees on site is displayed in Appendix 3.

Tree retention and removal

3.1.9 Based on the Tree Removal Plan (1MC04-SCJ-EV-DPL-SS05_SL07-241200), Construction Works Plan (1MC04-SCJ-EV-DPL-SS05_SL07241210) and the General Arrangement Plan (1MC04-SCJ-EV-DGA-SS05_SL07-240400) submitted as part of this application, the following schedule of trees are to be removed are presented below in Table 2.

Tree Type	Tree Number	Species	DBH (cm)	Main Cat.	Sub Cat.
T	F005	Pedunculate oak (Quercus robur)	4	C	1
T	F007	Crack willow (Salix fragilis)	95	C	2
T	F009	Pedunculate oak (Quercus robur)	15	B	1
T	F008	Crack willow (Salix fragilis)	95	B	2
T	F0014	White poplar (Populus alba)	70	B	2
T	F0024	Pedunculate oak (Quercus robur)	120	C	2
T	F0027	Pedunculate oak (Quercus robur)	104.5	B	2
T	F0028	Pedunculate oak (Quercus robur)	108	A	3
T	F0030	European hornbeam (Carpinus betulus)	54	A	3
T	F0031	Aspen (Populus tremula)	33.5	A	3
T	F0032	Aspen (Populus tremula)	18.5	B	2
T	F0034	Silver maple (Acer saccharinum)	25	B	2
T	F0036	European hornbeam (Carpinus betulus)	56.5	C	2
T	F0037	Pedunculate oak (Quercus robur)	100	C	1
T	F0043	Common alder (Alnus glutinosa)	15	B	1
T	F0044	Common alder (Alnus glutinosa)	20	A	2
T	F0045	Common alder (Alnus glutinosa)	25	C	1
T	F0047	Common alder (Alnus glutinosa)	13	C	1
T	F0046	European hornbeam (Carpinus betulus)	47	B	2
T	F0050	Common alder (*Alnus glutinosa*)	13	C	1

Tree Type	Tree Number	Species	DBH (cm)	Main Cat.	Sub Cat.
T	F0055	European hornbeam (Carpinus betulus)	34	C	1
T	F0056	European hornbeam (Carpinus betulus)	28	U	U
T	F0059	Red alder (Alnus rubra)	20	C	1
T	F0060	European hornbeam (Carpinus betulus)	36	B	1
T	F0063	European hornbeam (Carpinus betulus)	33.5	B	2
TG	F0064	English elm (Ulmus procera)	14	C	2
T	F0065	Pedunculate oak (Quercus robur)	370	B	1
T	F0066	Red alder (Alnus rubra)	23	C	1
T	F0068	European hornbeam (Carpinus betulus)	47	B	1
T	F0069	Small leaved lime (Tilia cordata)	31	C	1
T	F0090	Pedunculate oak (Quercus robur	30	C	1
T	F0091	Pedunculate oak (Quercus robur)	30	C	1
T	F0096	Pedunculate oak (Quercus robur)	49	B	1
T	F0098	Small leaved lime (Tilia cordata)	49	B	1
T	F00100	Small leaved lime (Tilia cordata)	45	B	1
T	F00117	Common alder (Alnus glutinosa)	29	B	1
T	F00118	Common alder (Alnus glutinosa)	21	B	2
T	F00122	European hornbeam (Carpinus betulus)	27	B	1
T	F00128	Common alder (Alnus glutinosa)	24	B	2
T	F00130	Common alder (Alnus glutinosa)	35	B	1
T	F00131	Common alder (Alnus glutinosa)	23	C	2
T	F00135	Common alder (Alnus glutinosa)	25	B	1
T	F00154	Common alder (Alnus glutinosa)	26	C	2
T	F00166	Crack willow (Salix fragilis)	50	B	2
T	F00168	Crack willow (Salix fragilis)	40	A	2
TG	F00175	Pedunculate oak (Quercus robur)	48	A	2
T	F00176	Crack willow (Salix fragilis)	50	B	2
T	F00178	Pedunculate oak (Quercus robur)	19	B	2
T	F00229	Field maple (Acer campestre)	23	B	1
T	F00257	Small leaved lime (Tilia cordata)	55	C	1
T	F00266	Pedunculate oak (Quercus robur)	70	B	2
TG	F006	English elm (Ulmus procera)	15	C	1
TG	F0011	Aspen (Populus tremula)	30.5	B	2
TG	F0042	Silver birch (Betula pendula)	25	C	1
TG	F0048	Field maple (Acer campestre)	14	C	2
TG (P)	F0057	Common alder (Alnus glutinosa)	30.5	C	1
TG	F0062	Common ash (Fraxinus excelsior)	29	B	2
TG	F0071	Silver birch (Betula pendula)	16	C	1

Tree Type	Tree Number	Species	DBH (cm)	Main Cat.	Sub Cat.
TG	F0074	White willow (Salix alba)	69	C	2
TG	F0075	London plane (Platanus acerifolia)	42.5	B	2
TG	F0093	Small leaved lime (Tilia cordata)	25	B	1
TG	F00112	Goat willow (Salix caprea)	30	B	1
TG	F00120	Silver birch (Betula pendula)	35	B	3
TG	F00125	White willow (Salix alba)	47	B	1
TG	F00132	White willow (Salix alba)	51	A	2
TG	F00133	Common ash (Fraxinus excelsior)	23	C	1
TG (P)	F00155	Silver birch (Betula pendula)	25	C	1
TG	F00163	Pedunculate oak (Quercus robur)	40	A	2
TG (P)	F00175	Pedunculate oak (Quercus robur)	18	A	2
TG (P)	F00180	Turkey oak (Quercus cerris)	42	A	2
TG (P)	F00181	Blackthorn (Prunus spinosa)	7	C	1
TG	F00188	Black poplar (Populus nigra)	50	B	2
TG	F00191	Pedunculate oak (Quercus robur)	51	B	2
TG (P)	F00252	Common ash (Fraxinus excelsior)	30	B	1
TG (P)	F00268	Common alder (Alnus glutinosa)	30	B	2
TG	F00269	Blackthorn (Prunus spinosa)	7	C	2
T	F00286	Pedunculate oak (Quercus robur)	37	B	1
TG (P)	F00312	Pedunculate oak (Quercus robur)	67	A	2

Table 2 - Trees to be removed

3.1.10 A total of 50 individual trees and 20 tree groups will require removal in order to facilitate proposed works. A further eight groups will require partial removal. Groups to be partially removed have been highlighted (P) in Table 2.

3.1.11 Of the trees to be removed, a total of five individuals and three groups were attributed Category A status, 27 individuals and nine groups were attributed Category B status, 17 individuals and eight groups were attributed Category C status and one individual was attributed Category U status.

3.1.12 Of the trees to be partially removed, three were attributed Category A status, two were attributed Category B status and Three were attributed Category C status.

3.1.13 The percentage of Canopy area to be removed from tree groups F0057, F00155, F00175, F00180, F00181, F00252, F00268 and F00312 are provided below in Table 3.

Tree ID	Total canopy area (m²)	Area of canopy to be removed (m²)	Percentage of canopy to be removed (%)
F0057	742.3	247.9	33.4
F00155	881.7	487.5	55.3
F00175	3889.7	522.7	13.4
F00180	660.1	304.7	46.2
F00181	1846.1	98.4	5.3
F00252	1716.4	1140.6	66.5
F00268	834.7	288.6	34.6
F00312	3658.3	378.4	10.3

Table 3 - Percentage of tree groups to be partially removed

3.1.14 In addition, a further single Category A tree F00193, a Category B tree group F00197, 15% of Category A tree group F00175 and 25% of Category B tree group F0057 will be removed by Thames Water as part of works not covered by the Golf Course remodelling planning application. As the Thames Water works are within the footprint of the application site the removal of these tree/tree groups has been included within the plan in Appendix 4.

3.1.15 The Tree Retention and Removal Plan displayed in Appendix 4 shows the location and approximate extents of trees and groups to be removed.

Tree retention status

3.1.16 The 'status' of trees identified in the TS1 schedule of trees in Appendix 1 is determined by information confirmed and available at the time of drafting this report. Trees in areas where the design construction layouts have not yet been finalised have had their status set to 'retain'. Future changes in the design may mean that trees currently shown to be retained may require removal in the future, in such cases this report shall be updated to reflect this decision.

3.2 Desk study

3.2.1 It was confirmed that trees T_F00216 and T_F00225 were subject to LB Hillingdon Tree Preservation Order reference: TPO 225. Tree T_F00136 was subject to Tree Preservation Order reference: TPO 447.

3.2.2 Both T_00136 and T_F00177 were situated inside and subject to Ruislip Village Conservation Area.

3.3 Arboricultural Impact Assessment

3.3.1 Based upon the Construction Works Plan (1MC04-SCJ-EV-DPL-SS05_SL07241210), the General Arrangement Plan (1MC04-SCJ-EV-DGA-SS05_SL07-240400) and Tree Removal Plan(1MC04-SCJ-EV-DPL-SS05_SL07-241200), the impact of the proposal on the existing trees has been assessed and all trees that will potentially be affected by the development are listed below in Table 4 and Table 4a. Tree numbers in the table correspond to the Schedule of Trees in Appendix 1 and Tree Constraints Plan described in Appendix 3.

3.3.2 It has been assumed that the height of all construction traffic or goods vehicles accessing the site will be within the standard minimum carriageway clearance of 5m (HSE, 2017).

Impact	Reason	BS Cat A	BS Cat B	BS Cat C	BS Cat U
Trees to be removed	Located within or adjacent to proposed site construction compounds – **The removal of these trees will be covered under the HS2 Act rather than the golf course remodelling permissions.**	F0044	F00100, F0027, F0034, F0064, F0075, F0096, F0098,	F0071, F0074, F0090, F0091	
	Located within or adjacent to temporary topsoil storage areas		F0043, F0009	F0051 F0069	
Trees which could sustain damage to RPA	Erection of Construction Site Hoarding	F00200, F00115, F00278, F00277, F00175,	F00304, F00285, F00284, F00301, F00228, F00249, F00110, F00161	F00228, F00228	F00157, F00153, F0057

Impact	Reason	BS Cat A	BS Cat B	BS Cat C	BS Cat U
	Construction of Haul route	F00187, F00179	F00142, F0016, F0033, F00186, F00158	F0017	
	Temporary work systems		F00218, F0086, F0087, F0049, F0019, F0015, F0012	F0039, F0023	

Table 4 - Summary of trees and tree groups possibly affected by site compounds and storage areas based on construction works plan drawing ref. 1MC04-SCJ-EV-DPL SS05_SL07241210 Construction Works (SCSJV 2018)

Impact	Reason	BS Cat A	BS Cat B	BS Cat C	BS Cat U
Trees to be removed	Golf Course re-landscaping and modelling	F00132, F00163, F00168, F00175, F00180, F0028, F0030, F0031, F00312	F0011, F00112, F00117, F00118, F00120, F00122, F00125, F00128, F00130, F00135, F0014, F00166, F00176, F00178, F00188, F00191, F00229, F00252, F00266, F00268, F00286, F0032, F0046, F0060, F0065, F0062, F0063, F0068, F008, F0093, F0013, F009	F00131, F00133, F00154, F00155, F00181, F0024, F00257, F00269, F0036, F0037, F0042, F0045, F0047, F0048, F005, F0050, F0055, F0057, F0059, F0064, F0066, F0069, F006, F007,	F0056

Table 5 - Summary of trees possibly affected by proposed general arrangement plan drawing ref. 1MC04-SCJ-EV-DGA-SS05_SL07-240400 General Arrangement Plan (SCSJV 2018)

Impact	Reason	BS Cat A	BS Cat B	BS Cat C	BS Cat U
Trees to be removed	Thames Water Works	F00193, F00175	F00197, F0057,		

Table 6 - Summary of trees possibly affected by the Thames Water works

Construction Works Plan (1MC04-SCJ-EV-DPL SS05_SL07241210)

Tree removal

3.3.3 Based on the Construction Works Plan (1MC04-SCJ-EV-DPL SS05_SL07241210), two trees feature assigned Category B and two Category C features will require removal in order to allow the construction of proposed topsoil storage area as described in Table 4. A further one Category A tree and two Category B and two Category C trees will be removed as part of the adjacent HS2 Railway works and will be removed under the HS2 Act rather than the golf course remodelling permission.

Trees which could potentially sustain damage to stem, canopy or RPA

3.3.4 The line and construction of the proposed site hoarding and the requirement for access for operatives, plant and machinery, has the potential to indirectly impact the stem, canopy or RPA of five category A features, eight category B, two category c and three category U trees or groups of trees as described in Table 4.

3.3.5 The line of the proposed haul route will impact eight features comprising two assigned category A, five category B and one category C feature. The construction works plan also shows a further seven category B trees and two category C trees, which could potentially be impacted by the construction of temporary works systems.

3.3.6 The Construction Works Plan (1MC04-SCJ-EV-DPL SS05_SL07241210), indicates that the western half of the site will be set aside as a 'worksite'. Although site compounds or specific staging areas have not been shown on the plan, the area itself is likely to be subject to plant and construction vehicle traffic. The several trees and tree groups shown to be retained within this area will come under development pressure with a high potential to physical damage including potential RPA incursions, soil compaction contamination.

3.3.7 In order to ensure that these features are successfully retained during the proposed works, the drafting of specialist tree protection measures as part of an Arboricultural Method Statement (AMS) and Tree Protection Plan (TPP) is necessary. An AMS and TPP have been provided in Section 5 and Appendix 5 respectively of this report based upon the current Construction Works Plan (1MC04-SCJ-EV-DPL SS05_SL07241210).

General Arrangement Plan (1MC04-SCJ-EV-DGA-SS05_SL07-240400)

Tree removal

3.3.8 Based on the General Arrangement Plan (1MC04-SCJ-EV-DGA-SS05_SL07-240400) nine category A features, 32 category B, 24 category C, one category U feature would be removed as part of the plan for the remodelling and landscaping of Ruislip Golf Course. These individual trees and groups of trees are located mainly along the centre of the site running in a line from east to west.

Trees which could potentially sustain damage to stem, canopy or RPA.

3.3.9 The General Arrangement Plan (1MC04-SCJ-EV-DGA-SS05_SL07-240400) shows areas of new planting, contour level changes and cut and fill earthworks throughout the site, in particular the areas to the west driving range. Although the plan shows the principal earthworks outside the RPA's and canopies of trees to be retained, some of these features will be in close proximity and should be considered as part within the AMS.

Impact on visual amenity and local character

3.3.10 Of the trees to be removed, a total of five individuals and two groups were attributed Category A status, 24 individuals and ten groups were attributed Category B. The majority of these trees are isolated from principal public views into the site and the character and appearance of the surrounding area would be unaffected. New tree planting is proposed across the golf course as described in the General Arrangement Plan, including a tree belt to reinforce and supplement the southern boundary planting and safeguarding public views From Greenway Road and Hoylake Crescent.

4 Arboricultural Method Statement

4.1.1 This AMS details how existing trees to be retained will be protected during the site development. The advice is specific to this site and should be read in conjunction with the TPPin Appendix 5.

Site monitoring and supervision

4.1.2 An arboricultural consultant or competent person will be appointed to advise on tree protection for the site throughout the construction period.

Suggested sequencing of site management

4.1.3 It is recommended that the following arboricultural input regarding on site management of trees, provided in Table 7, is required, which will form the basis of the auditable schedule of inspection.

Activity	Level of arboricultural input
Pre-commencement site meeting with site manager and the Local Planning Authority Tree Officer.	Initial site meeting. Review of tree protection measures. Agree frequency of site supervision and reporting. Agree any amendments to tree protection measures.
Preliminary tree works.	Discuss and review works schedule with contractor.
Erection of protective barriers and ground protection measures.	Preparation of amended plans and specifications for formal agreement with the Local Planning Authority Tree Officer. On-going discussion and advice during installation until completion of works.
Commencement of ground works including excavations for foundations installation of services and new hardstanding.	Pre-works on site briefing with contractor and direct on site supervision by arboricultural consultant.
Removal of protective fencing and ground protection measures after completion of construction works.	Pre-commencement on site briefing with contractor and ongoing site supervision at agreed intervals until completion.
Carrying out of mitigation tree planting and soft and hard landscaping.	Pre-commencement on site briefing with landscape contractor check and agree planting specification. Site meeting with contractor following completion of works to check compliance with agreed specifications, maintenance and aftercare.

Table 7 - Sequencing of site management and input

General precautions to be taken on site

4.1.4 The following precautions should be observed at all times:

4.1.5 All retained trees shall be protected by the erection of protective barriers and/or ground protection prior to the commencement of any works and shall remain in place during the entire course of the development.

4.1.6 No fires shall be lit within 10m of the canopies of trees to be retained.

4.1.7 Designated Construction Exclusion Zones (CEZ) will be suitably identified and maintained to ensure that trees remain protected. Storage or stockpiling areas are to be located outside of RPAs, inside designated sites away from retained trees and all care must be taken to prevent the leakage or spilling of harmful materials into the soil.

4.1.8 No excavations, soil stripping or general disturbance and compaction of the existing soil strata shall be carried out within the RPA of any tree to be retained.

4.1.9 All scheduled tree works shall be carried out prior to the commencement of any site works and before the erection of tree protection measures.

4.1.10 A copy of the method statement and accompanying tree protection plan shall be made available and retained on site at all times and shall be included in the site induction for all contractors and personnel, so that they are familiar with its content and requirements.

Pre- commencement site meeting

4.1.11 Prior to any site works being undertaken, a pre-commencement meeting on site between the Site Manager, Arboricultural Consultant and Local Planning Authority Tree Officer shall be carried out in order to understand and agree key stages for the implementation of tree protection measures and operations and to allow any aspect of the process to be discussed.

Preliminary tree works

4.1.12 Prior to the removal or pruning of any trees on site, an onsite briefing between the Site Manager, the Arboricultural Consultant and the Local Planning Authority Tree Officer will be undertaken in order to understand the scope of the tree removal and the requirements of tree pruning for access facilitation.

4.1.13 All tree works specified above in section 4.3 of this report, including remedial works and those works recommended in the tree survey shall be carried out in accordance with BS 3998:2010 and shall be undertaken prior to the commencement of any works.

4.1.14 It shall be the responsibility of the site owners and tree contractor to ensure that no tree works are carried out without the necessary prior written consent from the Local Planning Authority.

4.1.15 All trees to be removed will be clearly marked with an X on their main stem. Marking of trees will be supervised by the Local Planning Authority Tree Officer and the Arboricultural Consultant. No works are to be carried on unmarked trees.

4.1.16 All tree pruning for access facilitation will be supervised by the Arboricultural Consultant, to ensure that specifications laid out in the AMS are followed and that trees are left in an acceptable condition with minimal loss to amenity value.

Erection of protective barriers and ground protection measures

4.1.17 The TPP shows the approximate boundary of CEZs in Appendix 5. A protective barrier shall be erected along the line of the CEZs prior to the commencement of works and shall remain in place through the entire course of the development and only moved with the prior written consent of the Local Planning Authority Tree Officer, in consultation with the appointed arboricultural consultant. The barrier will be a 2m high fence robust enough to withstand impact from plant machinery supported by a system of vertical and horizontal scaffold tubes and supporting back stays as specified in Figure 2 of BS 5837:2012.

4.1.18 Weather proof signage shall be attached to the barrier in locations clearly seen by contractors and site operatives indicating that the CEZ area is protected and should not be accessed. Examples of warning notices are provided in Appendix 7.

4.1.19 Once the barriers have been placed into position, they are not to be removed or altered in any way until the conclusion of all site construction works.

4.1.20 In areas where CEZs will experience heavy traffic or activity, protective fencing employed shall be as specified in Figure 1 of Appendix 6. This must be agreed upon by a consulting arboriculturalist and/or the Local Planning Authority Tree Officer.

Commencement of ground works including excavations for footings, installation of services and new hardstanding

4.1.21 Prior to the commencement of any ground works, an onsite briefing between the Site Manager, Arboricultural Consultant and Local Planning Authority Tree Officer will be carried out in order to understand appropriate methods of excavation within the vicinity of RPAs and to explain best practice procedures should any roots be disturbed by excavation activities. During the excavation process, all works likely to impact trees will be supervised by the consulting arboriculturalist.

4.1.22 The first 750mm of excavation within RPAs of retained trees will be carried out using hand tools or compressed air spades and is to be undertaken under the supervision of the consulting arboriculturalist.

4.1.23 Exposed roots (woody and fibrous) should be initially covered over using hessian sheeting pegged in and kept damp and prevented from drying out. A geotextile permeable terram may

be used on the tree side of any trenching to protect soil/root environment from desiccation or contamination.

4.1.24 Any damaged roots measuring a diameter of 25mm or less should be cleanly severed using secateurs or hand saw. Cut ends should be treated as above.

4.1.25 Prior to back filling, retained roots should be surrounded with topsoil, uncompacted sharp sand or other loose, inert granular fill. Builders sand should not be used due to its high salt content. The backfill material should be free from contaminants or foreign objects potentially damaging to the roots.

Removal of protective fencing and ground protection measures after completion of construction works

4.1.26 Prior to the removal of any protective fencing or ground protection, an onsite briefing between the Site Manager, Arboricultural Consultant and Local Planning Authority Tree Officer will be carried out in order to understand appropriate methods of removal. During the removal process, the site will be subjected to ongoing visits at regular intervals by a consulting arboriculturalist until the conclusion of the works.

4.1.27 Trees showing evidence of decline as a possible result of soil compaction following the removal of ground protection and protective fencing will be included in a schedule of soil de-compaction, irrigation and mulching inside the RPA.

Carrying out of mitigation tree planting and soft and hard landscaping

4.1.28 Prior to the commencement of any mitigation planting or landscaping, an onsite briefing between the Landscaping Contractor, Arboricultural Consultant and Local Planning Authority Tree Officer will be carried out in order to understand and agree on planting specifications. Upon the completion of planting and landscaping works, a meeting will be held between the Landscaping Contractor, Arboricultural Consultant and Local Planning Authority Tree Officer in order to ensure works were carried out in compliance with agreed specifications and to agree appropriate aftercare and maintenance levels.

4.1.29 All landscaping will avoid soil re-grading and disturbance within the RPAs of all retained trees. Raising levels should be achieved through the use of gas and water permeable granular material.

4.1.30 Any new surface constructed within the RPA will be permeable and will not impede gaseous and aqueous exchange between the soil and atmosphere.

4.1.31 All tree planting undertaken should be in accordance with BS 8545:2014 Trees: from nursery to independence in the landscape – Recommendations.

Site specific recommendations

4.1.32 Prior to the commencement of any works on site, all trees shown to be retained shall be protected by the erection of default specification barriers (BS 5837:2012 figure 2) as described in Appendix 6 and positioned to enclose the furthest extents of tree canopies or RPA 's whichever is greater. Access to all areas of the site will be necessary at various stages during the project and protective fencing should be phased in order to accommodate access for the works, but at the same time provide the maximum degree of protection. It is recommended that a pre-commencement site meeting between the consulting arboriculturalist, the site manager and the Local Planning Authority Tree Officer takes place, to review the proposed tree protection measures and agree the staged phasing of protective fencing and construction access.

4.1.33 Fencing or site hoarding shall be erected to enclose all proposed site compounds and soil storage areas to isolate these from the surrounding trees to be retained. As described in the TPP in Appendix 5.

4.1.34 Where precautionary areas are indicated in the TPP (Appendix 5) an assessment will be made to decide whether it is necessary to implement ground protection measures to safeguard the existing soil strata. A ground protection system comprising one of the following specifications in accordance with paragraph 6.2.3.2 to 6.2.3.5 of BS 5837: 2012 shall be installed from the edge of the protective fencing:

- exterior ply hoarding boards or single thickness scaffold boarding shall be placed on top of a 100mm deep compression resident layer of woodchip, over a geotextile or terram sheet forming a final finishing layer to be used for light pedestrian traffic less than 2 tonnes;
- for heavy duty plant, vehicles and machinery over 2 tonnes gross weight, interlocking polyethylene euromats shall be placed over a 150-200mm deep compression resident layer of woodchip, over a final finishing layer comprising geotextile membrane or terram sheeting in accordance with manufacturers' recommendations; and
- an alternative system of ground protection in accordance with an engineered specification designed in conjunction with arboricultural advice.

4.1.35 Soil re-grading within the RPA carries a risk to the continued maintenance and development of healthy tree root function. The proposed introduction of new top soil and raising of levels inside RPA of all retained trees should only be carried out following full consultation and approval by a soil professional. The final specification should ensure that gas and water permeability is maintained and is conducive to tree root growth.

Contact details

4.1.36 This method statement is accompanied by a list of known contact details for all relevant parties and is included in Table 8.

Contact	Name	Company or Local Authority name	Contact Number	Report Issued Yes/No
LPA Tree Officer				
Arboricultural Consultant	Mark Cannon	The Ecology Consultancy	020 7378 1914	Yes

Table 8 - List of contact details for all relevant parties

5 References

5.1.1 British Standard Institute (BSI) (2012). BS 5837:2012 Trees in Relation to Design Demolition and Construction-Recommendations. BSI, London.

5.1.2 British Standard Institute (BSI) (2010). BS 3998:2010 Recommendation for Tree Works. BSI, London.

5.1.3 British Standard Institute (BSI) (2014). BS 8545:2014 Trees: from nursery to independence in the landscape - Recommendations. BSI, London.

5.1.4 Department for Communities and Local Government (2014). Planning Practice Guidance on Tree Preservation Orders and trees in conservation areas.

5.1.5 HS2 (2017a). Technical Standard – Tree Survey Specification, Stage 1 HS2-HS2-EV-STD-000-000020

5.1.6 HS2 (2017b). Technical Standard – Tree Survey Specification, Stage 2 HS2-HS2-EV-STD-000-000030

5.1.7 Lonsdale, D. (1999). Research for Amenity Trees No.7: Principles of Tree Hazard Assessment and Management. HMSO

5.1.8 Mattheck and Beloer (1994). HMSO London. Research for Amenity Trees No 4; The Body Language of Trees.

5.1.9 Mathews and Mackie (2006). Forest Mensuration A handbook for practitioners. Forestry Commission, Edinburgh.

5.1.10 SCSJV (2018) Construction Works Plan -1MC04-SCJ-EV-DPL-SS05_SL07241210

5.1.11 SCSJV (2018) General Arrangements Plan drawing ref. 1MC04-SCJ-EV-DGA-SS05_SL07-240400.

5.1.12 SCSJV (2018) Survey Report ref. 1MC04-SCJ-EV-DPL-SS05_SL07-241200

5.1.13 Town and Country Planning Act 1990 (as amended).

5.1.14 Town and Country Planning (Tree Preservation) (England) Regulations 2012.

6 Appendices

List Appendices:

Appendix 1 Phase 1 Schedule of Trees

Appendix 2 Phase 2 Schedule of Trees

Appendix 3Tree Constraints Plan

Appendix 4 Tree Retention and Removal Plan

Appendix 5 Tree Protection Plan

Appendix 6 Tree Protection Fencing and Ground Protection

Appendix 7 Signage

Appendix 8 Glossary of Terms

Appendix 1 Phase 1 Schedule of Trees

TS1 Baseline Tree Survey

Land Parcel Reference			Ruislip Golf Course	**Date undertaken:**		10/2018		**Consultant Name:**			The Ecology Consultancy					**Surveyor Names:**		James Potts, Stefan Harrison, Michael Steed	
Unique Tree ID Number			**Species**	**Tree Location**		**Height**	**Spread (m)**				**Trunk/ Stem Cat.**	**Trunk/ Stem Diameter**	**Age**	**ERC**	**TPO**	**Main Cat.**	**Sub Cat.**	**Status**	**HS2 Asset Information Register (AIR) Code**	**General Observation / Description**
Tree Type *(T/TG/ W/H)*	***Tree No***	**Tree ID**	Common Name (scientific name)	Easting (X) coordinate	Northing (Y) coordinate	(m)	North	South	East	West	single / multi stem	(mm)	"(Y, SM, EM, M, OM)"	(years)	(Yes/ No)	(A,B,C or U)	(1, 2 or 3)	Retain / Remove /Works to tree		*(Condition/faults/management/ potential impact on HS2 Infrastructure Corridor/local reference)*
T	F001	AGL200050_T_F001	Silver birch (Betula pendula)	508428	186931	7	2	2	2	2	single	200	SM	20+	No	C	1	Retain	Unknown	-
T	F002	AGL200050_T_F002	Silver birch (Betula pendula)	508420	186944	8	2	2.5	2.5	2.5	single	300	SM	20+	No	C	1	Retain	Unknown	-
T	F003	AGL200050_T_F003	Silver birch (Betula pendula)	508412	186956	6	3	3	3	3	single	210	SM	20+	No	C	1	Retain	Unknown	-
T	F004	AGL200050_T_F004	Silver birch (Betula pendula)	508396	186962	5	1.5	1.5	1.5	1.5	single	110	SM	20+	No	C	1	Retain	Unknown	-
T	F005	AGL200050_T_F005	Pedunculate oak (Quercus robur)	508403	186988	9.5	2.5	2	2	2	single	40	SM	20+	No	C	1	Remove	Unknown	Ivy clad, base inaccessible.
TG	F006	AGL200050_TG_F006	English elm (Ulmus procera)	508396	187004	6	1	1	1	1	single	150	SM	20+	No	C	2	Remove	Unknown	Group of 10 trees predominantly English elm with hawthorn and field maple. The group has dead stems throughout.
T	F007	AGL200050_T_F007	Crack willow (Salix fragilis)	508389	187005	13	6.5	3	7	3	single	950	M	40+	No	B	2	Remove	Unknown	Base inaccessible.
T	F008	AGL200050_T_F008	Crack willow (Salix fragilis)	508379	187009	13	6.5	4.5	7	4.5	single	950	M	40+	No	B	2	Remove	Unknown	Base inaccessible.
T	F009	AGL200050_T_F009	Pedunculate oak (Quercus robur)	508098	187022	15	7	7	7	7	single	675	EM	40+	No	B	1	Retain	Unknown	-
T	F0010	AGL200050_T_F010	Pedunculate oak (Quercus robur)	508481	187043	16	10	10	11	9	single	1950	OM	40+	No	A	3	Retain	Unknown	Ganoderma on east side of stem.

TS1 Baseline Tree Survey

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Unique Tree ID Number			**Species**	**Tree Location**		**Height**	**Spread (m)**				**Trunk/ Stem Cat.**	**Trunk/ Stem Diameter**	**Age**	**ERC**	**TPO**	**Main Cat.**	**Sub Cat.**	**Status**	**HS2 Asset Information Register (AIR) Code**	**General Observation / Description**
Tree Type *(T/TG/ W/H)*	***Tree No***	**Tree ID**	Common Name (scientific name)	Easting (X) coordinate	Northing (Y) coordinate	(m)	North	South	East	West	single / multi stem	(mm)	"(Y, SM, EM, M, OM)"	(years)	(Yes/ No)	(A,B,C or U)	(1, 2 or 3)	Retain / Remove /Works to tree		*(Condition/faults/management/ potential impact on HS2 Infrastructure Corridor/local reference)*
TG	F0011	AGL200050_TG_F0011	Aspen (Populus tremula)	508293	187046	13	3	3	3	3	single	305	SM	40+	No	C	2	Remove	Unknown	15 single stemmed aspen extending along fence line.
TG	F0012	AGL200050_TG_F0012	Lawson cypress (Chamaecyparis lawsoniana)	508528	187055	10.6	2	2	2	2	single	220	EM	20+	No	B	2	Retain	Unknown	-
TG	F0013	AGL200050_TG_F0013	Italian alder (Alnus cordata)	508009	187048	8	1.5	1.5	1.5	1.5	single	340	SM	40+	No	C	2	Retain	Unknown	Comprising 3 alder and 2 lime.
T	F0014	AGL200050_T_F0014	White poplar (Populus alba)	508256	187057	18	2	6	6	6	single	700	M	40+	No	B	2	Remove	Unknown	Base inaccessible.
T	F0015	AGL200050_T_F0015	Lawson cypress (Chamaecyparis lawsoniana)	508557	187065	15	3	3	3	3	single	480	M	20+	No	B	1	Retain	Unknown	-
TG	F0016	AGL200050_TG_F0016	Blackthorn (Prunus spinosa)	508467	187068	4	1.5	1.5	1	1	single	75	SM	40+	No	B	2	Retain	Unknown	Blackthorn with oak in middle. oak is semi mature approx. 10m in height.
TG	F0017	AGL200050_TG_F0017	Common ash (Fraxinus excelsior)	508491	187070	15	4	4	4	4	single	320	EM	10+	No	C	2	Retain	Unknown	9 ash with Field maple. Potential for ash dieback.
TG	F0018	AGL200050_TG_F0018	Pedunculate oak (Quercus robur)	508446	187077	13	8	8.5	8	8	single	510	M	40+	No	B	1	Retain	Unknown	Group of 4 oak. ivy covered can't vta properly.
T	F0019	AGL200050_T_F0019	Lawson cypress (Chamaecyparis lawsoniana)	508571	187079	16	4	4	4	4	single	750	M	20+	No	B	1	Retain	Unknown	-
TG	F0020	AGL200050_TG_F0020	Leyland cypress	508477	187078	5	1	1	1	1	multi (5+)	150	SM	20+	No	C	2	Retain	Unknown	Hedge group of Leyland cypress.

TS1 Baseline Tree Survey

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Unique Tree ID Number			**Species**	**Tree Location**		**Height**	**Spread (m)**				**Trunk/ Stem Cat.**	**Trunk/ Stem Diameter**	**Age**	**ERC**	**TPO**	**Main Cat.**	**Sub Cat.**	**Status**	**HS2 Asset Information Register (AIR) Code**	**General Observation / Description**
Tree Type *(T/TG/ W/H)*	***Tree No***	**Tree ID**	Common Name (scientific name)	Easting (X) coordinate	Northing (Y) coordinate	(m)	North	South	East	West	single / multi stem	(mm)	"(Y, SM, EM, M, OM)"	(years)	(Yes/ No)	(A,B,C or U)	(1, 2 or 3)	Retain / Remove /Works to tree		*(Condition/faults/management/ potential impact on HS2 Infrastructure Corridor/local reference)*
T	F002 1	AGL200050_T_F0 021	Honey locust (Gleditsia triacanthos)	508475	187079	5	2	2	2	2	multi (2-5)	100	Y	40+	No	C	1	Retain	Unknown	-
TG	F002 2	AGL200050_TG_ F0022	Pedunculate oak (Quercus robur)	508182	187074	16	2.5	2.5	2.5	2.5	single	320	SM	20+	No	C	1	Retain	Unknown	19 trees with 2 outlying oak and silver birch forming 1 cohesive canopy.
TG	F002 3	AGL200050_TG_ F0023	Pedunculate oak (Quercus robur)	508574	187084	10	4	4	4	4	single	320	SM	40+	No	C	2	Retain	Unknown	Comprising mainly oak with scattered ash and a privet and hawthorn understorey. 9 trees.
T	F002 4	AGL200050_T_F0 024	Pedunculate oak (Quercus robur)	508210	187077	18	10	10	10	10	single	1200	OM	40+	No	A	3	Remove	Unknown	Veteran size, stag heading of crown, cavity on southern stem, partially occluded.
T	F002 5	AGL200050_T_F0 025	Smooth leaved elm (Ulmus minor)	508467	187087	7	2	2	2	2	multi (2-5)	150x2	SM	20+	No	C	2	Retain	Unknown	Base obscured by ivy so VTA was not possible.
T	F002 6	AGL200050_T_F0 026	Portuguese laurel (Prunus lusitanica)	508484	187088	4.5	1.5	1.5	1.5	1.5	multi (2-5)	230x3	EM	10+	No	C	2	Retain	Unknown	-
T	F002 7	AGL200050_T_F0 027	Pedunculate oak (Quercus robur)	508170	187082	17	9	9	9	9	single	1045	OM	40+	No	A	3	Remove	Unknown	veteran size, stag heading of crown, retained deadwood in canopy
T	F002 8	AGL200050_T_F0 028	Pedunculate oak (Quercus robur)	508185	187083	17	10	10	10	10	single	1080	OM	40+	No	A	3	Remove	Unknown	veteran size, stag heading of crown, retained deadwood in canopy

TS1 Baseline Tree Survey

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Unique Tree ID Number			**Species**	**Tree Location**		**Height**	**Spread (m)**				**Trunk/ Stem Cat.**	**Trunk/ Stem Diameter**	**Age**	**ERC**	**TPO**	**Main Cat.**	**Sub Cat.**	**Status**	**HS2 Asset Information Register (AIR) Code**	**General Observation / Description**
Tree Type *(T/TG/ W/H)*	***Tree No***	**Tree ID**	Common Name (scientific name)	Easting (X) coordinate	Northing (Y) coordinate	(m)	North	South	East	West	single / multi stem	(mm)	"(Y, SM, EM, M, OM)"	(years)	(Yes/ No)	(A,B,C or U)	(1, 2 or 3)	Retain / Remove /Works to tree		*(Condition/faults/management/ potential impact on HS2 Infrastructure Corridor/local reference)*
T	F0029	AGL200050_T_F0029	Corkscrew willow (Salix babylonica var. pekinensis 'Tortuosa')	508488	187093	11.5	5	5	5	5	single	595	EM	20+	No	B	2	Retain	Unknown	-
T	F0030	AGL200050_T_F0030	European hornbeam (Carpinus betulus)	508407	187094	10.5	7	7	7	7	single	540	EM	40+	No	B	2	Remove	Unknown	-
T	F0031	AGL200050_T_F0031	Aspen (Populus tremula)	508405	187095	12	5	5	4	3	single	335	SM	40+	No	B	2	Remove	Unknown	-
T	F0032	AGL200050_T_F0032	Aspen (Populus tremula)	508402	187095	6	4	4	4	4	single	185	SM	20+	No	C	2	Remove	Unknown	-
T	F0033	AGL200050_T_F0033	Pedunculate oak (Quercus robur)	508575	187100	13	6.5	6.5	6.5	6.5	single	850	M	40+	No	B	1	Retain	Unknown	Heavily ivy clad, severed at base, minor stag heading in upper canopy.
T	F0034	AGL200050_T_F0034	Silver maple (Acer saccharinum)	508038	187089	9	3	3	3	3	single	250	SM	40+	No	C	1	Remove	Unknown	-
T	F0035	AGL200050_T_F0035	Smooth leaved elm (Ulmus minor)	508455	187098	5	2	2	2	2	multi (2-5)	150x2	SM	20+	No	C	2	Retain	Unknown	Base obscured by ivy so VTA was not possible.
T	F0036	AGL200050_T_F0036	European hornbeam (Carpinus betulus)	508398	187098	12.5	5	5	4	4	single	565	EM	40+	No	B	1	Remove	Unknown	-
T	F0037	AGL200050_T_F0037	Pedunculate oak (Quercus robur)	508302	187098	7.5	7	10	4	6	single	1000	OM	20+	No	A	2	Remove	Unknown	Veteran oak.
T	F0038	AGL200050_T_F0038	Smooth leaved elm (Ulmus minor)	508451	187102	7	2	2	2	2	multi (2-5)	150x2	SM	20+	No	C	2	Retain	Unknown	Base obscured by ivy so VTA was not possible

TS1 Baseline Tree Survey

Land Parcel Reference			Ruislip Golf Course	**Date undertaken:**		10/2018		**Consultant Name:**			The Ecology Consultancy					**Surveyor Names:**		James Potts, Stefan Harrison, Michael Steed	
Unique Tree ID Number			**Species**	**Tree Location**		**Height**	**Spread (m)**				**Trunk/ Stem Cat.**	**Trunk/ Stem Diameter**	**Age**	**ERC**	**TPO**	**Main Cat.**	**Sub Cat.**	**Status**	**HS2 Asset Information Register (AIR) Code**	**General Observation / Description**
Tree Type *(T/TG/ W/H)*	***Tree No***	**Tree ID**	Common Name (scientific name)	Easting (X) coordinate	Northing (Y) coordinate	(m)	North	South	East	West	single / multi stem	(mm)	"(Y, SM, EM, M, OM)"	(years)	(Yes/ No)	(A,B,C or U)	(1, 2 or 3)	Retain / Remove /Works to tree		*(Condition/faults/management/ potential impact on HS2 Infrastructure Corridor/local reference)*
TG	F0039	AGL200050_TG_F0039	Crack willow (Salix fragilis)	508603	187106	9	2.5	2.5	2.5	2.5	single	235	SM	>10	No	C	2	Retain	Unknown	Group of 6 trees, 1 is dead, 5 are dying.
TG	F0040	AGL200050_TG_F0040	Aspen (Populus tremula)	508425	187104	11	1.5	1.5	1.5	1.5	single	300	SM	40+	No	C	2	Retain	Unknown	Group of 4 trees with an underlayer of blackthorn scrub.
T	F0041	AGL200050_T_F0041	Field maple (Acer campestre)	508420	187107	11	3	3	3	3	multi (2-5)	220x2	M	20+	No	B	2	Retain	Unknown	Twin stem at 0.5m
TG	F0042	AGL200050_TG_F0042	Silver birch (Betula pendula)	508369	187106	9	3	3	3	3	single	250	EM	40+	No	B	2	Remove	Unknown	5 trees mainly birch with oak and hornbeam
T	F0043	AGL200050_T_F0043	Common alder (Alnus glutinosa)	508010	187099	4	2	1	1.5	1.5	single	150	SM	40+	No	C	1	Remove	Unknown	-
T	F0044	AGL200050_T_F0044	Common alder (Alnus glutinosa)	507994	187100	6	2	2	1.5	1.5	single	200	SM	>10	No	U	U	Remove	Unknown	Large strimmer wound at base.
T	F0045	AGL200050_T_F0045	Common alder (Alnus glutinosa)	508226	187106	9.5	2	2	3	2	multi (2-5)	255x2	SM	20+	No	C	1	Retain	Unknown	-
T	F0046	AGL200050_T_F0046	European hornbeam (Carpinus betulus)	508355	187112	11	5	4	4	5	single	470	EM	40+	No	B	1	Remove	Unknown	-
T	F0047	AGL200050_T_F0047	Common alder (Alnus glutinosa)	508227	187110	4	1.5	1.5	1.5	1.5	multi (2-5)	130x2	SM	20+	No	C	1	Retain	Unknown	-

TS1 Baseline Tree Survey

Land Parcel Reference			Ruislip Golf Course	**Date undertaken:**		10/2018		**Consultant Name:**		The Ecology Consultancy					**Surveyor Names:**		James Potts, Stefan Harrison, Michael Steed	
Unique Tree ID Number			**Species**	**Tree Location**		**Height**	**Spread (m)**				**Trunk/ Stem Cat.**	**Trunk/ Stem Diameter**	**Age**	**ERC**	**TPO**	**Main Cat.**	**Sub Cat.**	**Status**	**HS2 Asset Information Register (AIR) Code**	**General Observation / Description**
Tree Type *(T/TG/ W/H)*	***Tree No***	**Tree ID**	Common Name (scientific name)	Easting (X) coordinate	Northing (Y) coordinate	(m)	North	South	East	West	single / multi stem	(mm)	"(Y, SM, EM, M, OM)"	(years)	(Yes/ No)	(A,B,C or U)	(1, 2 or 3)	Retain / Remove /Works to tree		*(Condition/faults/management/ potential impact on HS2 Infrastructure Corridor/local reference)*
TG	F0048	AGL200050_TG_F0048	Field maple (Acer campestre)	508261	187111	12	2	2	1.5	1.5	single	140	SM	40+	No	B	2	Remove	Unknown	Group is primarily field maple with ash, hawthorn and hornbeam.
T	F0049	AGL200050_T_F0049	Common ash (Fraxinus excelsior)	508639	187120	13	8	8	8	8	multi (2-5)	400x4	M	20+	No	B	2	Retain	Unknown	Base inaccessible.
T	F0050	AGL200050_T_F0050	Common alder (Alnus glutinosa)	508231	187112	4	1.5	1.5	1.5	1.5	multi (2-5)	130x2	SM	20+	No	C	1	Retain	Unknown	-
T	F0051	AGL200050_T_F0051	Crack willow (Salix fragilis)	508062	187108	7.5	3.5	2.5	3.5	2	multi (5+)	150x6	EM	10+	No	C	1	Retain	Unknown	Old coppice, sparse canopy.
T	F0052	AGL200050_T_F0052	European hornbeam (Carpinus betulus)	508346	187115	8.5	5	4	4	5	single	455	EM	40+	No	B	1	Retain	Unknown	-
TG	F0053	AGL200050_TG_F0053	Leyland cypress	508534	187120	5	1	1	1	1	multi (5+)	150x5	SM	20+	No	C	2	Retain	Unknown	Hedge
T	F0054	AGL200050_T_F0054	Common hawthorn (Crataegus monogyna)	508336	187120	3.5	1	1	1	1	single	70	SM	40+	No	C	1	Retain	Unknown	-
T	F0055	AGL200050_T_F0055	European hornbeam (Carpinus betulus)	508328	187122	9.	3	3	3	3	single	340	SM	40+	No	B	1	Remove	Unknown	-

TS1 Baseline Tree Survey

Land Parcel Reference			Ruislip Golf Course	**Date undertaken:**		10/2018				**Consultant Name:**	The Ecology Consultancy					**Surveyor Names:**		James Potts, Stefan Harrison, Michael Steed	
Unique Tree ID Number			**Species**	**Tree Location**		**Height**	**Spread (m)**				**Trunk/ Stem Cat.**	**Trunk/ Stem Diameter**	**Age**	**ERC**	**TPO**	**Main Cat.**	**Sub Cat.**	**Status**	**HS2 Asset Information Register (AIR) Code**	**General Observation / Description**
Tree Type *(T/TG/ W/H)*	***Tree No***	**Tree ID**	Common Name (scientific name)	Easting (X) coordinate	Northing (Y) coordinate	(m)	North	South	East	West	single / multi stem	(mm)	"(Y, SM, EM, M, OM)"	(years)	(Yes/ No)	(A,B,C or U)	(1, 2 or 3)	Retain / Remove /Works to tree		*(Condition/faults/management/ potential impact on HS2 Infrastructure Corridor/local reference)*
T	F0056	AGL200050_T_F0056	European hornbeam (Carpinus betulus)	508319	187125	7	3	3	3	3	single	280	SM	40+	No	B	1	Remove	Unknown	-
TG	F0057	AGL200050_TG_F0057	Common alder (Alnus glutinosa)	507947	187117	10.5	4	4	4	3.5	single	305	SM	20+	No	B	2	Remove (33.4%) + 25% Thames Water	Unknown	Group of 19 trees with common alder dominant with some red alder and 1 early mature London plane.
T	F0058	AGL200050_T_F0058	Black poplar (Populus nigra)	508493	187130	25	4.5	4.5	4.5	4.5	single	630	M	40+	No	B	1	Retain	Unknown	Compression fork at 2.5m.
T	F0059	AGL200050_T_F0059	Red alder (Alnus rubra)	508162	187124	7	1.5	1.5	1.5	1.5	single	200	SM	10+	No	C	1	Retain	Unknown	-
T	F0060	AGL200050_T_F0060	European hornbeam (Carpinus betulus)	508311	187128	9	3	3	3	3	single	360	SM	40+	No	B	1	Remove	Unknown	-
TG	F0061	AGL200050_TG_F0061	Pedunculate oak (Quercus robur)	508547	187133	8	7	7	7	7	multi (2-5)	305x2	EM	40+	No	B	2	Retain	Unknown	Group of 3 English oak with hawthorn, ash and sycamore understorey.
TG	F0062	AGL200050_TG_F0062	Common ash (Fraxinus excelsior)	508275	187128	13	4	4	4	4	single	290	SM	40+	No	B	2	Remove	Unknown	14 trees ash and alder.
T	F0063	AGL200050_T_F0063	European hornbeam (Carpinus betulus)	508302	187130	10	3	3	3	3	single	335	SM	40+	No	B	1	Remove	Unknown	-

TS1 Baseline Tree Survey

Land Parcel Reference			Ruislip Golf Course	**Date undertaken:**		10/2018				**Consultant Name:**	The Ecology Consultancy					**Surveyor Names:**		James Potts, Stefan Harrison, Michael Steed	
Unique Tree ID Number			**Species**	**Tree Location**		**Height**	**Spread (m)**				**Trunk/ Stem Cat.**	**Trunk/ Stem Diameter**	**Age**	**ERC**	**TPO**	**Main Cat.**	**Sub Cat.**	**Status**	**HS2 Asset Information Register (AIR) Code**	**General Observation / Description**
Tree Type *(T/TG/ W/H)*	***Tree No***	**Tree ID**	Common Name (scientific name)	Easting (X) coordinate	Northing (Y) coordinate	(m)	North	South	East	West	single / multi stem	(mm)	"(Y, SM, EM, M, OM)"	(years)	(Yes/ No)	(A,B,C or U)	(1, 2 or 3)	Retain / Remove /Works to tree		*(Condition/faults/management/ potential impact on HS2 Infrastructure Corridor/local reference)*
TG	F0064	AGL200050_TG_F0064	English elm (Ulmus procera)	508138	187127	9	2	2	2	2	single	140	SM	20+	No	C	2	Remove	Unknown	Group was mainly elm with scattered oak, field maple, yew, hawthorn and blackthorn. cherry towards northern end
T	F0065	AGL200050_T_F0065	Pedunculate oak (Quercus robur)	508258	187130	12.6	5	5	5	5	single	370	M	40+	No	B	1	Retain	Unknown	-
T	F0066	AGL200050_T_F0066	Red alder (Alnus rubra)	508171	187128	8	1.5	1.5	1.5	1.5	single	230	SM	10+	No	C	1	Retain	Unknown	-
T	F0067	AGL200050_T_F0067	Common ash (Fraxinus excelsior)	508554	187139	8	3	3	3	3	single	265	SM	20+	No	B	1	Retain	Unknown	Minor bark damage at base of tree. signs of root girdling
T	F0068	AGL200050_T_F0068	European hornbeam (Carpinus betulus)	508294	187134	8.3	5	5	5	5	single	470	SM	40+	No	B	1	Remove	Unknown	-
T	F0069	AGL200050_T_F0069	Small leaved lime (Tilia cordata)	508136	187133	7.5	3	3	5	4	single	310	SM	20+	No	C	1	Retain	Unknown	-
T	F0070	AGL200050_T_F0070	Common ash (Fraxinus excelsior)	508553	187143	8	3	3	3	3	single	300	SM	20+	No	B	1	Retain	Unknown	Minor bark damage at base of tree. signs of root girdling.
TG	F0071	AGL200050_TG_F0071	Silver birch (Betula pendula)	508065	187133	7	1.5	1.5	1.5	1.5	single	160	SM	20+	No	C	2	Remove	Unknown	21 trees, 3 alder to north of group.
T	F0072	AGL200050_T_F0072	Common ash (Fraxinus excelsior)	508551	187145	8	3	3	3	3	single	340	SM	20+	No	B	1	Retain	Unknown	Minor bark damage at base of tree.

TS1 Baseline Tree Survey

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Unique Tree ID Number			**Species**	**Tree Location**		**Height**	**Spread (m)**				**Trunk/ Stem Cat.**	**Trunk/ Stem Diameter**	**Age**	**ERC**	**TPO**	**Main Cat.**	**Sub Cat.**	**Status**	**HS2 Asset Information Register (AIR) Code**	**General Observation / Description**
Tree Type *(T/TG/ W/H)*	***Tree No***	**Tree ID**	Common Name (scientific name)	Easting (X) coordinate	Northing (Y) coordinate	(m)	North	South	East	West	single / multi stem	(mm)	"(Y, SM, EM, M, OM)"	(years)	(Yes/ No)	(A,B,C or U)	(1, 2 or 3)	Retain / Remove /Works to tree		*(Condition/faults/management/ potential impact on HS2 Infrastructure Corridor/local reference)*
TG	F0073	AGL200050_TG_F0073	Blackthorn (Prunus spinosa)	508545	187146	4.5	2	2	2	2	single	24	SM	20+	No	B	2	Retain	Unknown	Group of 8 trees. predominately blackthorn with field maple and hawthorn.
TG	F0074	AGL200050_TG_F0074	Weeping willow (Salix alba)	508091	187138	17	6	6	6	6	single	690	M	20+	No	B	2	Remove	Unknown	Cavities and fungal fruiting bodies of Phelinius ignatius throughout the group. 3 trees.
TG	F0075	AGL200050_TG_F0075	London plane (Platanus acerifolia)	508032	187138	16.5	6	5	5	6	single	425	EM	40+	No	A	2	Remove	Unknown	Group of 25 London plane.
T	F0076	AGL200050_T_F0076	Pedunculate oak (Quercus robur)	508694	187153	13	5	5	5	5	single	600	EM	40+	No	B	1	Retain	Unknown	Ivy clad, base inaccessible.
T	F0077	AGL200050_T_F0077	Common hawthorn (Crataegus monogyna)	508282	187144	4.	2	2	2	2	single	200	SM	40+	No	C	1	Retain	Unknown	-
T	F0078	AGL200050_T_F0078	Norway maple 'Crimson King' (Acer platanoides 'Crimson King')	508660	187153	5.5	2	2	2	2	single	80	Y	40+	No	C	1	Retain	Unknown	-
T	F0079	AGL200050_T_F0079	Common hawthorn (Crataegus monogyna)	508269	187145	4.	2	2	2	2	single	200	SM	40+	No	C	1	Retain	Unknown	-
T	F0080	AGL200050_T_F0080	Common alder (Alnus glutinosa)	508668	187155	5.5	2	2	2	2	single	80	Y	40+	No	C	1	Retain	Unknown	-
TG	F0081	AGL200050_TG_F0081	Black poplar (Populus nigra)	507790	187137	24	4.5	4.5	4.5	4.5	single	500	M	20+	No	B	2	Retain	Unknown	Group of 35 trees comprising mainly black poplar with English oak, horse chestnut, turkey oak, red ash and small leaved lime.

TS1 Baseline Tree Survey

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Unique Tree ID Number			**Species**	**Tree Location**		**Height**	**Spread (m)**				**Trunk/ Stem Cat.**	**Trunk/ Stem Diameter**	**Age**	**ERC**	**TPO**	**Main Cat.**	**Sub Cat.**	**Status**	**HS2 Asset Information Register (AIR) Code**	**General Observation / Description**
Tree Type *(T/TG/ W/H)*	***Tree No***	**Tree ID**	Common Name (scientific name)	Easting (X) coordinate	Northing (Y) coordinate	(m)	North	South	East	West	single / multi stem	(mm)	"(Y, SM, EM, M, OM)"	(years)	(Yes/ No)	(A,B,C or U)	(1, 2 or 3)	Retain / Remove /Works to tree		*(Condition/faults/management/ potential impact on HS2 Infrastructure Corridor/local reference)*
TG	F0082	AGL200050_TG_F0082	Weeping willow (Salix alba)	508640	187157	12	5	5	5	5	single	340	EM	40+	No	B	2	Retain	Unknown	Comprising 25 trees
TG	F0083	AGL200050_TG_F0083	Common ash (Fraxinus excelsior)	508560	187156	11	4	4	4	4	single	215	SM	40+	No	B	2	Retain	Unknown	Group of 27 trees predominately ash with field maple.
T	F0084	AGL200050_T_F0084	Small leaved lime (Tilia cordata)	508664	187159	5.5	2	2	2	2	single	80	Y	40+	No	C	1	Retain	Unknown	-
TG	F0085	AGL200050_TG_F0085	Common ash (Fraxinus excelsior)	507807	187142	18	7	6	6	7	single	450	SM	40+	No	A	2	Retain	Unknown	Group of 14 trees. ash is dominant with 3 mature English oak with habitat features. understorey of elder, field maple, hawthorn, cherry laurel, holly and yew.
TG	F0086	AGL200050_TG_F0086	Common alder (Alnus glutinosa)	508702	187167	10	3.5	3.5	3.5	3.5	single	350	EM	20+	No	B	2	Retain	Unknown	Group comprising alder and elm with a blackthorn understorey. 10 trees
T	F0087	AGL200050_T_F0087	Weeping willow (Salix alba)	508696	187167	14	6	6	6	6	single	650	EM	40+	No	B	1	Retain	Unknown	Ivy clad, base inaccessible.
TG	F0088	AGL200050_TG_F0088	English elm (Ulmus procera)	508358	187162	10	2	2	2	2	single	160	SM	>10	No	C	2	Retain	Unknown	Infected with Dutch Elm Disease. Also early mature Field maple at east end of group worthy of retention.
T	F0089	AGL200050_T_F0089	Italian alder (Alnus cordata)	508651	187172	5	1.5	1	1	1	single	205	SM	>10	No	U	U	Retain	Unknown	-
T	F0090	AGL200050_T_F0090	Pedunculate oak (Quercus robur)	507929	187159	10	3.5	3.5	3.5	3.5	single	300	EM	40+	No	C	1	Remove	Unknown	-

TS1 Baseline Tree Survey

Land Parcel Reference			Ruislip Golf Course	**Date undertaken:**		10/2018		**Consultant Name:**			The Ecology Consultancy					**Surveyor Names:**		James Potts, Stefan Harrison, Michael Steed	
Unique Tree ID Number			**Species**	**Tree Location**		**Height**	**Spread (m)**				**Trunk/ Stem Cat.**	**Trunk/ Stem Diameter**	**Age**	**ERC**	**TPO**	**Main Cat.**	**Sub Cat.**	**Status**	**HS2 Asset Information Register (AIR) Code**	**General Observation / Description**
Tree Type *(T/TG/ W/H)*	***Tree No***	**Tree ID**	Common Name (scientific name)	Easting (X) coordinate	Northing (Y) coordinate	(m)	North	South	East	West	single / multi stem	(mm)	"(Y, SM, EM, M, OM)"	(years)	(Yes/ No)	(A,B,C or U)	(1, 2 or 3)	Retain / Remove /Works to tree		*(Condition/faults/management/ potential impact on HS2 Infrastructure Corridor/local reference)*
T	F0091	AGL200050_T_F0091	Pedunculate oak (Quercus robur)	507925	187160	10	3.5	3.5	3.5	3.5	single	300	EM	40+	No	C	1	Remove	Unknown	-
TG	F0092	AGL200050_TG_F0092	Lombardy poplar (Populus nigra 'Italica')	508585	187175	26	1	1	1	1	single	475	EM	20+	No	A	2	Retain	Unknown	Group of 8 Lombardy poplar.
TG	F0093	AGL200050_TG_F0093	Small leaved lime (Tilia cordata)	508151	187170	12	3	3	4	2.5	single	250	EM	20+	No	B	2	Remove	Unknown	12 trees inc Norway maple.
T	F0094	AGL200050_T_F0094	Red alder (Alnus rubra)	507767	187163	8	2	2	2	2	single	240	EM	10+	No	C	1	Retain	Unknown	Basal wounds and decay fungi. Kretzschmaria deusta.
T	F0095	AGL200050_T_F0095	Common alder (Alnus glutinosa)	507775	187164	8	3	3	3	3	single	310	EM	10+	No	C	1	Retain	Unknown	Stem wounds and decay.
T	F0096	AGL200050_T_F0096	Pedunculate oak (Quercus robur)	507956	187170	13	4.5	4.5	4.5	4.5	single	490	EM	40+	No	B	1	Remove	Unknown	-
T	F0097	AGL200050_T_F0097	Pedunculate oak (Quercus robur)	508358	187180	8	2	2	2	2	single	200	SM	20+	No	C	1	Retain	Unknown	-
T	F0098	AGL200050_T_F0098	Small leaved lime (Tilia cordata)	507974	187173	13	4.5	4.5	4.5	4.5	single	490	EM	40+	No	B	1	Remove	Unknown	-
T	F0099	AGL200050_T_F0099	Pedunculate oak (Quercus robur)	507646	187166	12	5	5	5	5	single	645	EM	40+	No	B	1	Retain	Unknown	-
T	F00100	AGL200050_T_F00100	Small leaved lime (Tilia cordata)	507953	187174	12	4	4	4	4	single	450	EM	40+	No	B	1	Remove	Unknown	-
T	F00101	AGL200050_T_F00101	Common hawthorn (Crataegus monogyna)	508364	187184	6	2	2	2	2	multi (2-5)	250x2	EM	20+	No	C	1	Retain	Unknown	-
T	F00102	AGL200050_T_F00102	Field maple (Acer campestre)	508349	187185	9	2.5	2.5	2.5	2.5	single	300	EM	20+	No	B	1	Retain	Unknown	-

TS1 Baseline Tree Survey

Land Parcel Reference			Ruislip Golf Course	**Date undertaken:**		10/2018		**Consultant Name:**			The Ecology Consultancy					**Surveyor Names:**		James Potts, Stefan Harrison, Michael Steed	
Unique Tree ID Number			**Species**	**Tree Location**		**Height**	**Spread (m)**				**Trunk/ Stem Cat.**	**Trunk/ Stem Diameter**	**Age**	**ERC**	**TPO**	**Main Cat.**	**Sub Cat.**	**Status**	**HS2 Asset Information Register (AIR) Code**	**General Observation / Description**
Tree Type *(T/TG/ W/H)*	***Tree No***	**Tree ID**	Common Name (scientific name)	Easting (X) coordinate	Northing (Y) coordinate	(m)	North	South	East	West	single / multi stem	(mm)	"(Y, SM, EM, M, OM)"	(years)	(Yes/ No)	(A,B,C or U)	(1, 2 or 3)	Retain / Remove /Works to tree		*(Condition/faults/management/ potential impact on HS2 Infrastructure Corridor/local reference)*
T	F00103	AGL200050_T_F00103	Common alder (Alnus glutinosa)	507740	187173	10	3	3	3	3	single	310	EM	20+	No	B	1	Retain	Unknown	-
T	F00104	AGL200050_T_F00104	Pedunculate oak (Quercus robur)	507637	187171	16	5	5	5	5	single	500	EM	40+	No	B	1	Retain	Unknown	-
T	F00105	AGL200050_T_F00105	Goat willow (Salix caprea)	508361	187186	8	4	4	3	4	multi (2-5)	240x3	SM	20+	No	C	1	Retain	Unknown	Minor stem bleeds.
TG	F00106	AGL200050_TG_F00106	Common hawthorn (Crataegus monogyna)	508347	187186	6.5	1.5	1.5	2.5	1	multi (2-5)	200x3	SM	40+	No	C	2	Retain	Unknown	Linear group of approx 20 stems of hawthorn.
T	F00107	AGL200050_T_F00107	Red alder (Alnus rubra)	507765	187174	9	2	2	2	2	single	330	EM	10+	No	C	1	Retain	Unknown	Large stem wound plus decay north side.
TG	F00108	AGL200050_TG_F00108	Field maple (Acer campestre)	508300	187188	9	3.5	3.5	3.5	3.5	single	350	EM	20+	No	C	2	Retain	Unknown	Comprising 7 field maple scattered along edge of group.
T	F00109	AGL200050_T_F00109	Common alder (Alnus glutinosa)	507776	187177	7	2	2	2	2	multi (2-5)	210x2	EM	10+	No	C	1	Retain	Unknown	Previous coppice stool.
TG	F00110	AGL200050_TG_F00110	Black poplar (Populus nigra)	507804	187179	26	5	5	5	5	single	500	SM	20+	No	B	2	Retain	Unknown	Group of 12 trees. black poplar is dominant with one common lime and some red alder.
T	F00111	AGL200050_T_F00111	Common alder (Alnus glutinosa)	507783	187180	9	3	2	2	2	single	260	EM	10+	No	C	1	Retain	Unknown	Basal bark damage.
TG	F00112	AGL200050_TG_F00112	Goat willow (Salix caprea)	508162	187188	9	4	4	4	4	multi (2-5)	300x3	M	20+	No	B	2	Remove	Unknown	Grove of 29 goat willow with Lawson cypress in middle. cypress is 14m high.

TS1 Baseline Tree Survey

Land Parcel Reference			Ruislip Golf Course	**Date undertaken:**		10/2018		**Consultant Name:**			The Ecology Consultancy					**Surveyor Names:**		James Potts, Stefan Harrison, Michael Steed	
Unique Tree ID Number			**Species**	**Tree Location**		**Height**	**Spread (m)**				**Trunk/ Stem Cat.**	**Trunk/ Stem Diameter**	**Age**	**ERC**	**TPO**	**Main Cat.**	**Sub Cat.**	**Status**	**HS2 Asset Information Register (AIR) Code**	**General Observation / Description**
Tree Type *(T/TG/ W/H)*	***Tree No***	**Tree ID**	Common Name (scientific name)	Easting (X) coordinate	Northing (Y) coordinate	(m)	North	South	East	West	single / multi stem	(mm)	"(Y, SM, EM, M, OM)"	(years)	(Yes/ No)	(A,B,C or U)	(1, 2 or 3)	Retain / Remove /Works to tree		*(Condition/faults/management/ potential impact on HS2 Infrastructure Corridor/local reference)*
TG	F00113	AGL200050_TG_F00113	Common hawthorn (Crataegus monogyna)	508310	187192	7	1.5	1.5	1.5	1.5	single	70	EM	40+	No	C	2	Retain	Unknown	Hawthorn, blackthorn scrub with scattered elm, g willow, oak, field maple and crack willow.
T	F00114	AGL200050_T_F00114	Common ash (Fraxinus excelsior)	508336	187194	15	4.5	3	4.5	4	single	600	EM	10+	No	B	3	Retain	Unknown	Significant decay pockets on main stem to south.
TG	F00115	AGL200050_TG_F00115	Crack willow (Salix fragilis)	507833	187183	21	6	6	6	6	single	715	EM	20+	No	A	2	Retain	Unknown	Group of 40 trees. Crack willow dominant with red alder and small leaf lime. Several of the crack willow have habitat features.
T	F00116	AGL200050_T_F00116	Field maple (Acer campestre)	508280	187195	9	3.5	3.5	3.5	3.5	single	385	EM	20+	No	C	1	Retain	Unknown	Minor retained dead wood in canopy.
T	F00117	AGL200050_T_F00117	Common alder (Alnus glutinosa)	507731	187185	10	3	3	3	3	single	290	EM	20+	No	B	1	Remove	Unknown	Basal wounds.
T	F00118	AGL200050_T_F00118	Common alder (Alnus glutinosa)	507744	187186	8	3	2	2	2	single	210	EM	10+	No	C	1	Remove	Unknown	Basal wounds / decay.
TG	F00119	AGL200050_TG_F00119	Bay willow (Salix pentandra)	508597	187207	7	5	5	5	5	single	480	M	20+	No	B	2	Retain	Unknown	8 willow (2 dead/dying) and 1 alder.
TG	F00120	AGL200050_TG_F00120	Silver birch (Betula pendula)	507848	187192	17	3	2	2	2	single	350	SM	20+	No	B	2	Remove	Unknown	Group of 5 silver birch.
TG	F00121	AGL200050_TG_F00121	Common ash (Fraxinus excelsior)	507572	187187	14	1.5	1.5	1.5	1.5	single	250	SM	20+	No	C	2	Retain	Unknown	Ash with scattered hawthorn and cherry plum.

TS1 Baseline Tree Survey

Land Parcel Reference			Ruislip Golf Course	**Date undertaken:**		10/2018		**Consultant Name:**			The Ecology Consultancy					**Surveyor Names:**		James Potts, Stefan Harrison, Michael Steed	
Unique Tree ID Number			**Species**	**Tree Location**		**Height**	**Spread (m)**				**Trunk/ Stem Cat.**	**Trunk/ Stem Diameter**	**Age**	**ERC**	**TPO**	**Main Cat.**	**Sub Cat.**	**Status**	**HS2 Asset Information Register (AIR) Code**	**General Observation / Description**
Tree Type *(T/TG/ W/H)*	***Tree No***	**Tree ID**	Common Name (scientific name)	Easting (X) coordinate	Northing (Y) coordinate	(m)	North	South	East	West	single / multi stem	(mm)	"(Y, SM, EM, M, OM)"	(years)	(Yes/ No)	(A,B,C or U)	(1, 2 or 3)	Retain / Remove /Works to tree		*(Condition/faults/management/ potential impact on HS2 Infrastructure Corridor/local reference)*
T	F00122	AGL200050_T_F00122	European hornbeam (Carpinus betulus)	508256	187202	8	2	2	2	2	single	270	SM	40+	No	C	1	Remove	Unknown	-
TG	F00123	AGL200050_TG_F00123	Aspen (Populus tremula)	508123	187200	14	4	7	4	2.5	single	300	EM	40+	No	B	2	Retain	Unknown	23 trees inc hornbeam, goat willow, silver birch.
T	F00124	AGL200050_T_F00124	Red alder (Alnus rubra)	508610	187213	5	2	2	2	2	single	100	EM	10+	No	C	1	Retain	Unknown	Coppice stool 5 stems.
TG	F00125	AGL200050_TG_F00125	Weeping willow (Salix alba)	508074	187202	15	4	3	5	3	single	470	EM	20+	No	B	2	Remove	Unknown	4 willow and 1 whitebeam.
T	F00126	AGL200050_T_F00126	Common alder (Alnus glutinosa)	507728	187195	10	2	3	3	2	single	250	EM	10+	No	C	1	Retain	Unknown	-
T	F00127	AGL200050_T_F00127	Red alder (Alnus rubra)	508607	187216	5	2	2	2	2	multi (2-5)	110x2	EM	10+	No	C	1	Retain	Unknown	Basal wounds.
T	F00128	AGL200050_T_F00128	Common alder (Alnus glutinosa)	507751	187199	9.	2	2	3	2	single	240	EM	10+	No	C	1	Remove	Unknown	-
T	F00129	AGL200050_T_F00129	Common alder (Alnus glutinosa)	508622	187218	6.	3	2	3	3	single	200	EM	10+	No	C	1	Retain	Unknown	Basal wounds.
T	F00130	AGL200050_T_F00130	Common alder (Alnus glutinosa)	508004	187205	12	4	4	4	4	multi (2-5)	350x4	M	10+	No	C	2	Remove	Unknown	Coppice stool with 4 stems.
T	F00131	AGL200050_T_F00131	Common alder (Alnus glutinosa)	507742	187200	8.	2	3	3	3	single	230	EM	10+	No	C	1	Remove	Unknown	-
TG	F00132	AGL200050_TG_F00132	Weeping willow (Salix alba)	508051	187207	17	4	3	3	4	single	510	EM	20+	No	B	2	Remove	Unknown	17 trees including 3 weeping willow. 1 alder.
TG	F00133	AGL200050_TG_F00133	Common ash (Fraxinus excelsior)	507614	187199	11.5	2.5	2.5	2.5	2.5	single	235	SM	10+	No	C	1	Retain	Unknown	Significant wounding on main stems, sparse canopies. 4 trees.

TS1 Baseline Tree Survey

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Unique Tree ID Number			**Species**	**Tree Location**		**Height**	**Spread (m)**				**Trunk/ Stem Cat.**	**Trunk/ Stem Diameter**	**Age**	**ERC**	**TPO**	**Main Cat.**	**Sub Cat.**	**Status**	**HS2 Asset Information Register (AIR) Code**	**General Observation / Description**
Tree Type *(T/TG/ W/H)*	***Tree No***	**Tree ID**	Common Name (scientific name)	Easting (X) coordinate	Northing (Y) coordinate	(m)	North	South	East	West	single / multi stem	(mm)	"(Y, SM, EM, M, OM)"	(years)	(Yes/ No)	(A,B,C or U)	(1, 2 or 3)	Retain / Remove /Works to tree		*(Condition/faults/management/ potential impact on HS2 Infrastructure Corridor/local reference)*
T	F00134	AGL200050_T_F00134	Red alder (Alnus rubra)	508619	187221	6	3	3	3	3	single	100	EM	10+	No	C	1	Retain	Unknown	Coppice stool 6 stems.
T	F00135	AGL200050_T_F00135	Common alder (Alnus glutinosa)	507747	187207	7	2.5	3	3	3	multi (2-5)	250x2	M	20+	No	B	1	Remove	Unknown	-
T	F00136	AGL200050_T_F00136	Common ash (Fraxinus excelsior)	508683	187228	20	9	9	9	9	single	1025	M	40+	Yes	A	1	Retain	Unknown	In private garden, inaccessible.
TG	F00137	AGL200050_TG_F00137	Crack willow (Salix fragilis)	508505	187224	16	4	4	3	4	single	300	EM	20+	No	C	2	Retain	Unknown	4 willow with 1 cypress and ash, hawthorn, elm and birch understorey.
TG	F00138	AGL200050_TG_F00138	Pedunculate oak (Quercus robur)	508284	187220	18	10	9	8	8	single	570	M	40+	No	A	2	Retain	Unknown	Group of 12 oaks with scattered hawthorn underlayer.
T	F00139	AGL200050_T_F00139	Pedunculate oak (Quercus robur)	508279	187221	18	9	9	9	9	single	1220	M	40+	No	A	2	Retain	Unknown	Veteran, large branch tear out on southern side of main stem. pronounced buttressing of base. retained snapped limb in east canopy.
T	F00140	AGL200050_T_F00140	Common hawthorn (Crataegus monogyna)	507515	187206	7	2.5	2.5	2.5	2.5	multi (5+)	270x6	SM	20+	No	C	1	Retain	Unknown	The tree was ivy and bramble clad.
TG	F00141	AGL200050_TG_F00141	Goat willow (Salix caprea)	508670	187232	9	3	3	3	3	single	300	EM	20+	No	C	2	Retain	Unknown	Thicket of 15 goat willow stems with thorn, thorn and sync regen understorey.
TG	F00142	AGL200050_TG_F00142	Common ash (Fraxinus excelsior)	508346	187225	11	3	3	3	3	single	250	EM	20+	No	B	2	Retain	Unknown	12 ash. 3 oak plus Field maple. Potential for ash disease.

TS1 Baseline Tree Survey

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Unique Tree ID Number			**Species**	**Tree Location**		**Height**	**Spread (m)**				**Trunk/ Stem Cat.**	**Trunk/ Stem Diameter**	**Age**	**ERC**	**TPO**	**Main Cat.**	**Sub Cat.**	**Status**	**HS2 Asset Information Register (AIR) Code**	**General Observation / Description**
Tree Type *(T/TG/ W/H)*	***Tree No***	**Tree ID**	Common Name (scientific name)	Easting (X) coordinate	Northing (Y) coordinate	(m)	North	South	East	West	single / multi stem	(mm)	"(Y, SM, EM, M, OM)"	(years)	(Yes/ No)	(A,B,C or U)	(1, 2 or 3)	Retain / Remove /Works to tree		*(Condition/faults/management/ potential impact on HS2 Infrastructure Corridor/local reference)*
T	F00143	AGL200050_T_F00143	Pedunculate oak (Quercus robur)	508267	187224	20	8	8	8	8	single	1100	M	40+	No	A	1	Retain	Unknown	Veteran, occluded split on north side of stem, minor epicormic growth in canopy.
TG	F00144	AGL200050_TG_F00144	European hornbeam (Carpinus betulus)	508199	187223	9	4	4	4	4	single	200	SM	40+	No	B	2	Retain	Unknown	Comprising 17 hornbeam stems.
T	F00145	AGL200050_T_F00145	Pedunculate oak (Quercus robur)	508209	187223	17	6	10	8	8	single	770	M	40+	No	A	2	Retain	Unknown	Early veteran, significant lean to south, moderate dead wood on lower canopy.
TG	F00146	AGL200050_TG_F00146	Common hawthorn (Crataegus monogyna)	508271	187224	6.5	1.5	1.5	2.5	1	single	200	SM	40+	No	C	2	Retain	Unknown	Small group of approx 10 stems including hawthorn, cherry and holly.
T	F00147	AGL200050_T_F00147	Common ash (Fraxinus excelsior)	508259	187225	18.5	4	4	4	4	single	1000	OM	20+	No	A	3	Retain	Unknown	Early veteran previously canopy reduced. Several habitat holes and branch wounds in upper canopy.
T	F00148	AGL200050_T_F00148	Common hawthorn (Crataegus monogyna)	507508	187209	7	2.5	2.5	2.5	2.5	single	270	SM	20+	No	C	1	Retain	Unknown	Ivy and Bramble clad
TG	F00149	AGL200050_TG_F00149	Silver birch (Betula pendula)	508440	187230	13	4	4	3	3	single	340	EM	40+	No	A	2	Retain	Unknown	80 trees.
T	F00150	AGL200050_T_F00150	Silver birch (Betula pendula)	508672	187236	11	4	2	2	2	single	300	SM	20+	No	C	1	Retain	Unknown	-
T	F00151	AGL200050_T_F00151	Norway maple 'Crimson King' (Acer platanoides 'Crimson King')	508662	187236	5.5	2	2	2	2	single	80	Y	40+	No	C	1	Retain	Unknown	Sparse canopy.

TS1 Baseline Tree Survey

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Unique Tree ID Number			**Species**	**Tree Location**		**Height**	**Spread (m)**				**Trunk/ Stem Cat.**	**Trunk/ Stem Diameter**	**Age**	**ERC**	**TPO**	**Main Cat.**	**Sub Cat.**	**Status**	**HS2 Asset Information Register (AIR) Code**	**General Observation / Description**
Tree Type *(T/TG/ W/H)*	***Tree No***	**Tree ID**	Common Name (scientific name)	Easting (X) coordinate	Northing (Y) coordinate	(m)	North	South	East	West	single / multi stem	(mm)	"(Y, SM, EM, M, OM)"	(years)	(Yes/ No)	(A,B,C or U)	(1, 2 or 3)	Retain / Remove /Works to tree		*(Condition/faults/management/ potential impact on HS2 Infrastructure Corridor/local reference)*
T	F00152	AGL200050_T_F00152	Common ash (Fraxinus excelsior)	508248	187229	16	6	6	6	6	single	700	EM	20+	No	B	3	Retain	Unknown	Previously canopy reduced. Habitat holes in upper canopy.
T	F00153	AGL200050_T_F00153	Red alder (Alnus rubra)	508163	187228	7	4	4	5	4.5	multi (2-5)	245x2	SM	>10	No	U	U	Retain	Unknown	Extensive decay on south side of base reaching 2m up stem. Dead wood in canopy. Bark damage on stem.
T	F00154	AGL200050_T_F00154	Common alder (Alnus glutinosa)	507909	187223	9	3	2	2	2	single	260	EM	10+	No	C	1	Remove	Unknown	Basal bark damage
TG	F00155	AGL200050_TG_F00155	Silver birch (Betula pendula)	507904	187223	10	2.5	2.5	2.5	2.5	single	250	SM	20+	No	C	2	Remove (55.3%)	Unknown	Group comprising 17 stems over 13 trees.
T	F00156	AGL200050_T_F00156	Norway maple 'Crimson King' (Acer platanoides 'Crimson King')	508664	187240	5.5	2	2	2	2	single	80	Y	40+	No	C	1	Retain	Unknown	Sparse canopy.
T	F00157	AGL200050_T_F00157	Red alder (Alnus rubra)	508159	187229	7	3	3	3	3	multi (2-5)	130x3	SM	>10	No	U	U	Retain	Unknown	Bark damage on stem. Large cavity with visible extensive decay on west side of base before stems separate, cavity reaches 1 metre up most northern stem.
TG	F00158	AGL200050_TG_F00158	Lawson cypress (Chamaecyparis lawsoniana)	508521	187238	16	3	3	3	3	multi (2-5)	350x5	EM	20+	No	B	2	Retain	Unknown	4 boundary trees.
T	F00159	AGL200050_T_F00159	Silver birch (Betula pendula)	508670	187242	11	3	2	2	2	single	280	SM	20+	No	C	1	Retain	Unknown	-

TS1 Baseline Tree Survey

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Unique Tree ID Number			**Species**	**Tree Location**		**Height**	**Spread (m)**				**Trunk/ Stem Cat.**	**Trunk/ Stem Diameter**	**Age**	**ERC**	**TPO**	**Main Cat.**	**Sub Cat.**	**Status**	**HS2 Asset Information Register (AIR) Code**	**General Observation / Description**
Tree Type *(T/TG/ W/H)*	***Tree No***	**Tree ID**	Common Name (scientific name)	Easting (X) coordinate	Northing (Y) coordinate	(m)	North	South	East	West	single / multi stem	(mm)	"(Y, SM, EM, M, OM)"	(years)	(Yes/ No)	(A,B,C or U)	(1, 2 or 3)	Retain / Remove /Works to tree		*(Condition/faults/management/ potential impact on HS2 Infrastructure Corridor/local reference)*
T	F00160	AGL200050_T_F00160	Pedunculate oak (Quercus robur)	508234	187233	17	4	4	4	4	single	1045	OM	40+	No	A	3	Retain	Unknown	Lightning strike column of exposed wood running down length of stem, fire damage at base. Veteran tree.
T	F00161	AGL200050_T_F00161	Common alder (Alnus glutinosa)	508163	187232	8	6	5.5	6	6	single	283	SM	20+	No	B	1	Retain	Unknown	Damage to base on south side signs of attempt to occlude. minor dead wood in canopy. Bark damage on stem.
TG	F00162	AGL200050_TG_F00162	Pedunculate oak (Quercus robur)	508402	187238	12	7	6	7	6	single	890	M	40+	No	B	2	Retain	Unknown	Group of 90 trees predominately English oak with field maple, hawthorn and English elm. 20 oaks.
TG	F00163	AGL200050_TG_F00163	Pedunculate oak (Quercus robur)	507719	187224	14	6	6	6	6	single	400	EM	40+	No	B	2	Remove	Unknown	25 trees, also comprising ash, field maple with blackthorn and elm understorey.
TG	F00164	AGL200050_TG_F00164	Blackthorn (Prunus spinosa)	507495	187220	5	1	1	1	1	single	75	SM	40+	No	C	3	Retain	Unknown	7 trees, regrowth.
TG	F00165	AGL200050_TG_F00165	Pedunculate oak (Quercus robur)	508221	187239	8	2	2	2	2	single	250	SM	40+	No	C	2	Retain	Unknown	Understorey group of semi mature oak and hazel. Mainly brash with approx. 30 stems over 100mm.
T	F00166	AGL200050_T_F00166	Crack willow (Salix fragilis)	507614	187226	15	6	7	8	5	multi (2-5)	500x3	M	20+	No	B	1	Remove	Unknown	-
TG	F00167	AGL200050_TG_F00167	Blackthorn (Prunus spinosa)	508674	187250	7	1.5	1.5	1.5	1.5	single	70	SM	20+	No	C	1	Retain	Unknown	Blackthorn thicket.
T	F00168	AGL200050_T_F00168	Crack willow (Salix fragilis)	507617	187228	15	6	7	8	5	multi (2-5)	400x4	M	20+	No	B	1	Remove	Unknown	-

TS1 Baseline Tree Survey

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Unique Tree ID Number			Species	Tree Location		Height	Spread (m)				Trunk/ Stem Cat.	Trunk/ Stem Diameter	Age	ERC	TPO	Main Cat.	Sub Cat.	Status	HS2 Asset Information Register (AIR) Code	General Observation / Description
Tree Type (T/TG/ W/H)	*Tree No*	Tree ID	Common Name (scientific name)	Easting (X) coordinate	Northing (Y) coordinate	(m)	North	South	East	West	single / multi stem	(mm)	"(Y, SM, EM, M, OM)"	(years)	(Yes/ No)	(A,B,C or U)	(1, 2 or 3)	Retain / Remove /Works to tree		*(Condition/faults/management/ potential impact on HS2 Infrastructure Corridor/local reference)*
T	F00169	AGL200050_T_F00169	Pedunculate oak (Quercus robur)	508236	187242	10	4.5	4	4	4	single	470	EM	40+	No	C	1	Retain	Unknown	-
TG	F00170	AGL200050_TG_F00170	Small leaved lime (Tilia cordata)	508632	187251	9	4	4	4	4	single	370	EM	20+	No	B	2	Retain	Unknown	7 trees.
T	F00171	AGL200050_T_F00171	Common hawthorn (Crataegus monogyna)	508236	187243	4	2.5	1.5	1.5	1.5	multi (2-5)	150x4	SM	40+	No	C	1	Retain	Unknown	-
TG	F00172	AGL200050_TG_F00172	Common ash (Fraxinus excelsior)	507593	187231	12	1	1	1	1	single	210	SM	40+	No	C	1	Retain	Unknown	50 stems in group.
T	F00173	AGL200050_T_F00173	Common ash (Fraxinus excelsior)	507580	187233	12	4	4	4	4	single	620	M	10+	No	C	1	Retain	Unknown	Large cavities at base.
TG	F00174	AGL200050_TG_F00174	Common ash (Fraxinus excelsior)	507602	187234	13	3	3	3	3	single	255	EM	40+	No	C	2	Retain	Unknown	Group of 50 trees also containing hawthorn, blackthorn, elm and willow.
TG	F00175	AGL200050_TG_F00175	Pedunculate oak (Quercus robur)	507987	187242	18	3	4	3	3	single	480	M	40+	No	A	2	Remove (13.5%) + 15% Thames Water	Unknown	Large group with 15 oak, ash, white willow and silver birch. Understorey blackthorn, elder and hawthorn.
T	F00176	AGL200050_T_F00176	Crack willow (Salix fragilis)	507620	187237	15	4	4	4	4	single	500	OM	>10	No	B	3	Remove	Unknown	Nearly dead.
T	F00177	AGL200050_T_F00177	Weeping willow (Salix babylonica)	508673	187262	11	4	4	4	4	single	500	EM	40+	No	B	1	Retain	Unknown	Off site, inaccessible.
T	F00178	AGL200050_T_F00178	Pedunculate oak (Quercus robur)	507618	187240	8	4	4	4	4	multi (2-5)	190x2	EM	40+	No	B	1	Remove	Unknown	-

TS1 Baseline Tree Survey

Land Parcel Reference			Ruislip Golf Course	**Date undertaken:**		10/2018				**Consultant Name:**	The Ecology Consultancy					**Surveyor Names:**		James Potts, Stefan Harrison, Michael Steed	
Unique Tree ID Number			**Species**	**Tree Location**		**Height**	**Spread (m)**				**Trunk/ Stem Cat.**	**Trunk/ Stem Diameter**	**Age**	**ERC**	**TPO**	**Main Cat.**	**Sub Cat.**	**Status**	**HS2 Asset Information Register (AIR) Code**	**General Observation / Description**
Tree Type *(T/TG/ W/H)*	***Tree No***	**Tree ID**	Common Name (scientific name)	Easting (X) coordinate	Northing (Y) coordinate	(m)	North	South	East	West	single / multi stem	(mm)	"(Y, SM, EM, M, OM)"	(years)	(Yes/ No)	(A,B,C or U)	(1, 2 or 3)	Retain / Remove /Works to tree		*(Condition/faults/management/ potential impact on HS2 Infrastructure Corridor/local reference)*
TG	F00179	AGL200050_TG_F00179	Pedunculate oak (Quercus robur)	508415	187261	14	4	4	4	4	single	380	M	40+	No	A	3	Retain	Unknown	Small copse. 15 mature and early mature oak with 10 smaller ash, elm and hawthorn understorey.
TG	F00180	AGL200050_TG_F00180	Turkey oak (Quercus cerris)	507766	187248	16	4	3	3	3	single	420	EM	40+	No	A	2	Remove (46.2%)	Unknown	Small group 8 Turkey plus 15 hornbeam understorey.
TG	F00181	AGL200050_TG_F00181	Blackthorn (Prunus spinosa)	507623	187247	3	0.5	0.5	0.5	0.5	single	70	SM	20+	No	C	1	Remove (5.3%)	Unknown	Blackthorn and Apple understorey 30 trees.
T	F00182	AGL200050_T_F00182	Pedunculate oak (Quercus robur)	508562	187269	14	8	8	8	8	single	745	EM	40+	No	A	1	Retain	Unknown	-
TG	F00183	AGL200050_TG_F00183	Common ash (Fraxinus excelsior)	507975	187259	12	2	2	2	2	single	310	EM	10+	No	C	2	Retain	Unknown	Potential for ash disease. In group surrounded by dense blackthorn thicket
TG	F00184	AGL200050_TG_F00184	Pedunculate oak (Quercus robur)	508128	187262	12	4	4	4	4	single	29.1	SM	40+	No	A	2	Retain	Unknown	Abbreviated tariff used. comprising mainly oak and ash with elm, hawthorn and blackthorn understorey.
T	F00185	AGL200050_T_F00185	Common ash (Fraxinus excelsior)	507575	187251	13	5	4.5	5	4.5	single	630	EM	10+	No	C	1	Retain	Unknown	The tree has a large Polyporus squamosus fruiting body at the base.
TG	F00186	AGL200050_TG_F00186	Goat willow (Salix caprea)	508536	187271	8	2	2	2	2	single	250	EM	40+	No	B	2	Retain	Unknown	6 trees, goat willow and oak scrub with blackthorn understorey.

TS1 Baseline Tree Survey

Land Parcel Reference			Ruislip Golf Course	**Date undertaken:**		10/2018				**Consultant Name:**	The Ecology Consultancy					**Surveyor Names:**		James Potts, Stefan Harrison, Michael Steed	
Unique Tree ID Number			**Species**	**Tree Location**		**Height**	**Spread (m)**				**Trunk/ Stem Cat.**	**Trunk/ Stem Diameter**	**Age**	**ERC**	**TPO**	**Main Cat.**	**Sub Cat.**	**Status**	**HS2 Asset Information Register (AIR) Code**	**General Observation / Description**
Tree Type *(T/TG/ W/H)*	***Tree No***	**Tree ID**	Common Name (scientific name)	Easting (X) coordinate	Northing (Y) coordinate	(m)	North	South	East	West	single / multi stem	(mm)	"(Y, SM, EM, M, OM)"	(years)	(Yes/ No)	(A,B,C or U)	(1, 2 or 3)	Retain / Remove /Works to tree		*(Condition/faults/management/ potential impact on HS2 Infrastructure Corridor/local reference)*
TG	F00187	AGL200050_TG_F00187	Common ash (Fraxinus excelsior)	508377	187268	13.5	4.5	4.5	4.5	4.5	single	301	SM	40+	No	A	2	Retain	Unknown	Group of 50 trees. predominately ash and English oak with hawthorn, field maple, blackthorn and English elm. 2 mature oaks with habitat features.
TG	F00188	AGL200050_TG_F00188	Black poplar (Populus nigra)	507872	187262	20	7	8	6	6	single	500	M	20+	No	A	2	Remove	Unknown	Double row of 60 black poplar to South with a mix of 20 oak and willow and hornbeam to the north and west. Under layer of elm, hawthorn and blackthorn.
TG	F00189	AGL200050_TG_F00189	Goat willow (Salix caprea)	508667	187281	8	1.5	1.5	1.5	1.5	single	150	SM	20+	No	C	2	Retain	Unknown	Goat willow thicket, approx 20 stems.
TG	F00190	AGL200050_TG_F00190	Common ash (Fraxinus excelsior)	508158	187271	15	5.5	3.5	3	4	single	380	EM	20+	No	B	2	Retain	Unknown	Comprising 10 scattered ash. small patches of narcotic bark on several stems.
TG	F00191	AGL200050_TG_F00191	Pedunculate oak (Quercus robur)	508019	187270	12	5	4	3	3	single	510	EM	40+	No	A	2	Remove	Unknown	Linear group with 7 x oak, 7 x early mature ash with Field maple, elm and hawthorn under. Potential to lose Ash through ash disease.
T	F00192	AGL200050_T_F00192	Common ash (Fraxinus excelsior)	508674	187286	8	3	3	3	3	single	260	SM	40+	No	C	1	Retain	Unknown	-
T	F00193	AGL200050_T_F00193	European hornbeam (Carpinus betulus)	507990	187273	15	4	4	4	4	single	900	M	40+	No	A	1	Remove-Thames Water	Unknown	Upright form. Tight dense scaffold branching.

TS1 Baseline Tree Survey

Land Parcel Reference			Ruislip Golf Course	**Date undertaken:**		10/2018		**Consultant Name:**			The Ecology Consultancy					**Surveyor Names:**		James Potts, Stefan Harrison, Michael Steed	
Unique Tree ID Number			**Species**	**Tree Location**		**Height**	**Spread (m)**				**Trunk/ Stem Cat.**	**Trunk/ Stem Diameter**	**Age**	**ERC**	**TPO**	**Main Cat.**	**Sub Cat.**	**Status**	**HS2 Asset Information Register (AIR) Code**	**General Observation / Description**
Tree Type *(T/TG/ W/H)*	***Tree No***	**Tree ID**	Common Name (scientific name)	Easting (X) coordinate	Northing (Y) coordinate	(m)	North	South	East	West	single / multi stem	(mm)	"(Y, SM, EM, M, OM)"	(years)	(Yes/ No)	(A,B,C or U)	(1, 2 or 3)	Retain / Remove /Works to tree		*(Condition/faults/management/ potential impact on HS2 Infrastructure Corridor/local reference)*
TG	F00194	AGL200050_TG_F00194	Norway maple (Acer platanoides)	507520	187266	7	2.5	2.5	2.5	2.5	single	285	SM	20+	No	C	2	Retain	Unknown	14 trees in group.
T	F00195	AGL200050_T_F00195	Pedunculate oak (Quercus robur)	508324	187283	15	8	7	6	7	single	605	M	40+	No	A	2	Retain	Unknown	Habitat features. Minor deadwood. Minor wounds on first branch from base which show signs of occlusion.
T	F00196	AGL200050_T_F00196	Common alder (Alnus glutinosa)	507735	187275	8	2.5	2.5	2.5	2.5	single	290	SM	40+	No	C	1	Retain	Unknown	-
TG	F00197	AGL200050_TG_F00197	Lawson cypress (Chamaecyparis lawsoniana)	507988	187280	12	3	3	3	3	single	350	EM	20+	No	B	2	Remove -Thames Water	Unknown	-
T	F00198	AGL200050_T_F00198	Common alder (Alnus glutinosa)	507728	187276	6	2.5	2.5	2.5	2.5	single	290	SM	40+	No	C	1	Retain	Unknown	-
T	F00199	AGL200050_T_F00199	Common hawthorn (Crataegus monogyna)	507581	187275	9	3.5	5	2.5	4.5	single	500	M	20+	No	C	1	Retain	Unknown	-
T	F00200	AGL200050_T_F00200	Crack willow (Salix fragilis)	507508	187274	10	6	8	8	8	multi (2-5)	450x5	M	10+	No	A	1	Retain	Unknown	Large specimen spread out across stream. deadwood in canopy. Stem inaccessible.
TG	F00201	AGL200050_TG_F00201	Common hawthorn (Crataegus monogyna)	507570	187275	7	2.5	2.5	2.5	2.5	single	200	EM	20+	No	C	2	Retain	Unknown	Group comprising 12 hawthorn and blackthorn.
T	F00202	AGL200050_T_F00202	Common ash (Fraxinus excelsior)	508580	187298	5	1.5	1.5	1.5	1.5	single	70	SM	40+	No	C	1	Retain	Unknown	-
TG	F00203	AGL200050_TG_F00203	Pedunculate oak (Quercus robur)	507914	187285	9	3	3	2	2	single	320	EM	20+	No	B	2	Retain	Unknown	Small group hawthorn and blackthorn with young crack willow / coppice and 3 semi-mature oak.

TS1 Baseline Tree Survey

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Unique Tree ID Number			**Species**	**Tree Location**		**Height**	**Spread (m)**				**Trunk/ Stem Cat.**	**Trunk/ Stem Diameter**	**Age**	**ERC**	**TPO**	**Main Cat.**	**Sub Cat.**	**Status**	**HS2 Asset Information Register (AIR) Code**	**General Observation / Description**
Tree Type *(T/TG/ W/H)*	***Tree No***	**Tree ID**	Common Name (scientific name)	Easting (X) coordinate	Northing (Y) coordinate	(m)	North	South	East	West	single / multi stem	(mm)	"(Y, SM, EM, M, OM)"	(years)	(Yes/ No)	(A,B,C or U)	(1, 2 or 3)	Retain / Remove /Works to tree		*(Condition/faults/management/ potential impact on HS2 Infrastructure Corridor/local reference)*
T	F00204	AGL200050_T_F00204	Common ash (Fraxinus excelsior)	508585	187300	5	1.5	1.5	1.5	1.5	single	70	SM	40+	No	C	1	Retain	Unknown	-
TG	F00205	AGL200050_TG_F00205	Common ash (Fraxinus excelsior)	507535	187278	7	1.5	1.5	1.5	1.5	single	180	SM	40+	No	C	1	Retain	Unknown	-
TG	F00206	AGL200050_TG_F00206	Common ash (Fraxinus excelsior)	507946	187286	7	2	3	3	3	single	320	EM	10+	No	B	2	Retain	Unknown	Potential for ash disease but remainder of group would remain healthy. Also includes young oak, elm, Field maple, hazel with dense blackthorn understorey.
T	F00207	AGL200050_T_F00207	Pedunculate oak (Quercus robur)	507924	187287	11	4	4	1	4	multi (2-5)	460x2	EM	40+	No	B	2	Retain	Unknown	Adjacent to veteran Field maple
T	F00208	AGL200050_T_F00208	Field maple (Acer campestre)	507928	187289	11	4	4	2	2	single	1430	OM	40+	No	A	3	Retain	Unknown	Veteran. Uncommon large stem diameter for species. Monitor encroachment from adjacent oaks. Release canopy from competition if necessary.
TG	F00209	AGL200050_TG_F00209	Common ash (Fraxinus excelsior)	508137	187293	16	6	5	3	3	single	345	SM	20+	No	C	2	Retain	Unknown	Comprising mainly semi mature ash and oak with hawthorn and hazel understorey. 50 stems.
TG	F00210	AGL200050_TG_F00210	Pedunculate oak (Quercus robur)	508554	187302	12	4	4	4	4	single	450	EM	40+	No	B	2	Retain	Unknown	16 stems comprising oak, aspen and ash.
T	F00211	AGL200050_T_F00211	Crack willow (Salix fragilis)	507516	187282	10	4	4	4	4	single	225	SM	20+	No	B	2	Retain	Unknown	Minor deadwood in canopy.
T	F00212	AGL200050_T_F00212	Crack willow (Salix fragilis)	507515	187282	10	7	7	7	7	single	500	M	20+	No	B	2	Retain	Unknown	Minor deadwood in canopy.

TS1 Baseline Tree Survey

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Unique Tree ID Number			**Species**	**Tree Location**		**Height**	**Spread (m)**				**Trunk/ Stem Cat.**	**Trunk/ Stem Diameter**	**Age**	**ERC**	**TPO**	**Main Cat.**	**Sub Cat.**	**Status**	**HS2 Asset Information Register (AIR) Code**	**General Observation / Description**
Tree Type *(T/TG/ W/H)*	***Tree No***	**Tree ID**	Common Name (scientific name)	Easting (X) coordinate	Northing (Y) coordinate	(m)	North	South	East	West	single / multi stem	(mm)	"(Y, SM, EM, M, OM)"	(years)	(Yes/ No)	(A,B,C or U)	(1, 2 or 3)	Retain / Remove /Works to tree		*(Condition/faults/management/ potential impact on HS2 Infrastructure Corridor/local reference)*
T	F00213	AGL200050_T_F00213	Pedunculate oak (Quercus robur)	507931	187292	9	4	3	3	1	single	450	EM	40+	No	B	2	Retain	Unknown	Adjacent (east) of veteran Field maple.
T	F00214	AGL200050_T_F00214	Pedunculate oak (Quercus robur)	508272	187299	19	8	8	8	10	single	1350	M	40+	No	A	3	Retain	Unknown	Veteran. Memorial plaque east side of stem
T	F00215	AGL200050_T_F00215	Crack willow (Salix fragilis)	508012	187295	18	7	7	7	7	multi (2-5)	660x2	M	20+	No	A	2	Retain	Unknown	Compression union with minimal reaction wood at base.
T	F00216	AGL200050_T_F00216	Pedunculate oak (Quercus robur)	508564	187308	16	10	10	10	10	single	1200	M	40+	Yes	A	1	Retain	Unknown	Ivy clad.
T	F00217	AGL200050_T_F00217	Crack willow (Salix fragilis)	508016	187300	18	6.5		7	6	single	660	M	20+	No	B	2	Retain	Unknown	Minor dead wood in canopy.
T	F00218	AGL200050_T_F00218	Common ash (Fraxinus excelsior)	508127	187302	16	7.5	5	7	6	single	600	EM	20+	No	B	1	Retain	Unknown	Stem ivy clad.
T	F00219	AGL200050_T_F00219	Swedish whitebeam (Sorbus x intermedia) (Sorbus x intermedia)	508006	187300	7.5	3	3	3	3	single	320	EM	40+	No	C	1	Retain	Unknown	-
T	F00220	AGL200050_T_F00220	Field maple (Acer campestre)	508095	187305	10	7	6	6	6	multi (2-5)	520x2	OM	10+	No	B	3	Retain	Unknown	Large veteran field maple with habitat features. minor dead wood in lower canopy.
T	F00221	AGL200050_T_F00221	Crack willow (Salix fragilis)	508019	187304	18	6	6	6	6	single	650	M	20+	No	B	2	Retain	Unknown	Minor dead wood in canopy.
TG	F00222	AGL200050_TG_F00222	Black poplar (Populus nigra)	508247	187310	22	3	3	3	3	single	460	EM	20+	No	B	2	Retain	Unknown	Group 7 Poplar plus 1 x lime.
T	F00223	AGL200050_T_F00223	Common ash (Fraxinus excelsior)	508020	187305	12	6	3	3	3	single	380	SM	20+	No	C	1	Retain	Unknown	-

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Unique Tree ID Number			**Species**	**Tree Location**		**Height**	**Spread (m)**				**Trunk/ Stem Cat.**	**Trunk/ Stem Diameter**	**Age**	**ERC**	**TPO**	**Main Cat.**	**Sub Cat.**	**Status**	**HS2 Asset Information Register (AIR) Code**	**General Observation / Description**
Tree Type *(T/TG/ W/H)*	***Tree No***	**Tree ID**	Common Name (scientific name)	Easting (X) coordinate	Northing (Y) coordinate	(m)	North	South	East	West	single / multi stem	(mm)	"(Y, SM, EM, M, OM)"	(years)	(Yes/ No)	(A,B,C or U)	(1, 2 or 3)	Retain / Remove /Works to tree		*(Condition/faults/management/ potential impact on HS2 Infrastructure Corridor/local reference)*
T	F00224	AGL200050_T_F00224	Common ash (Fraxinus excelsior)	508601	187319	11	3	3	3	3	single	350	EM	20+	No	C	1	Retain	Unknown	Moderate retained dead wood throughout canopy.
T	F00225	AGL200050_T_F00225	Pedunculate oak (Quercus robur)	508591	187319	18	10	10	10	10	single	1500	M	40+	Yes	A	1	Retain	Unknown	-
T	F00226	AGL200050_T_F00226	Crack willow (Salix fragilis)	508008	187308	18	5	5	5	5	single	555	M	20+	No	B	2	Retain	Unknown	Minor dead wood in canopy.
T	F00227	AGL200050_T_F00227	Common ash (Fraxinus excelsior)	508611	187323	11	4	4	4	4	single	400	EM	20+	No	C	1	Retain	Unknown	Moderate retained dead wood throughout canopy.
T	F00228	AGL200050_T_F00228	Common elder (Sambucus nigra)	507551	187301	4	3	2	2.5	3	multi (2-5)	90x4	EM	20+	No	C	1	Retain	Unknown	Dead wood in canopy and dead branches at base.
T	F00229	AGL200050_T_F00229	Field maple (Acer campestre)	507711	187304	8	2.5	2.5	2.5	2.5	single	230	EM	20+	No	C	1	Remove	Unknown	Strimmer damage at base.
T	F00230	AGL200050_T_F00230	Field maple (Acer campestre)	507722	187305	10	4	4	4	4	single	380	EM	20+	No	B	1	Retain	Unknown	-
T	F00231	AGL200050_T_F00231	Common ash (Fraxinus excelsior)	508621	187328	11	4	4	4	4	single	445	EM	20+	No	C	1	Retain	Unknown	Moderate retained dead wood throughout canopy.
T	F00232	AGL200050_T_F00232	Red ash (Fraxinus pennsylvanica)	508015	187315	13	6	5	6	6	single	440	EM	20+	No	B	1	Retain	Unknown	Snapped out, retained limb in canopy.
T	F00233	AGL200050_T_F00233	Weeping willow (Salix babylonica)	508641	187329	11	5	5	5	5	single	550	EM	20+	No	B	1	Retain	Unknown	-
T	F00234	AGL200050_T_F00234	Field maple (Acer campestre)	507704	187310	8	2.5	2.5	2.5	2.5	single	230	EM	20+	No	C	1	Retain	Unknown	Strimmer damage at base, slightly sparse canopy.

TS1 Baseline Tree Survey

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Unique Tree ID Number			**Species**	**Tree Location**		**Height**	**Spread (m)**				**Trunk/ Stem Cat.**	**Trunk/ Stem Diameter**	**Age**	**ERC**	**TPO**	**Main Cat.**	**Sub Cat.**	**Status**	**HS2 Asset Information Register (AIR) Code**	**General Observation / Description**
Tree Type *(T/TG/ W/H)*	***Tree No***	**Tree ID**	Common Name (scientific name)	Easting (X) coordinate	Northing (Y) coordinate	(m)	North	South	East	West	single / multi stem	(mm)	"(Y, SM, EM, M, OM)"	(years)	(Yes/ No)	(A,B,C or U)	(1, 2 or 3)	Retain / Remove /Works to tree		*(Condition/faults/management/ potential impact on HS2 Infrastructure Corridor/local reference)*
T	F00235	AGL200050_T_F00235	Pedunculate oak (Quercus robur)	508248	187324	15	7	9	7	8	single	605	EM	40+	No	A	1	Retain	Unknown	Ivy obscured base preventing VTA.
T	F00236	AGL200050_T_F00236	Downy birch (Betula pubescens)	508630	187338	7	2	2	2	2	single	200	SM	40+	No	C	1	Retain	Unknown	-
T	F00237	AGL200050_T_F00237	Pedunculate oak (Quercus robur)	508089	187327	17	10	10	10	10	single	1000	M	40+	No	A	2	Retain	Unknown	Early veteran, heavily ivy clad.
TG	F00238	AGL200050_TG_F00238	European hornbeam (Carpinus betulus)	508288	187333	9	6	6	6	6	multi (2-5)	223x2	SM	20+	No	B	2	Retain	Unknown	Group of 50 trees predominately hornbeam with crack willow, field maple, hawthorn, blackthorn, ash and 2 English oak. 1 oak is mature with habitat features.
T	F00239	AGL200050_T_F00239	Common ash (Fraxinus excelsior)	507547	187318	12	8	8	8	8	single	550	M	20+	No	B	2	Retain	Unknown	Stem inaccessible.
TG	F00240	AGL200050_TG_F00240	Common ash (Fraxinus excelsior)	507596	187319	12	6	7	6	6	single	500	M	20+	No	B	2	Retain	Unknown	Group of 10 trees predominately ash. some hawthorn and a single blackthorn. Two ash show habitat features.
T	F00241	AGL200050_T_F00241	Common ash (Fraxinus excelsior)	507689	187322	8	2	2	2	2	single	250	SM	20+	No	C	1	Retain	Unknown	-
T	F00242	AGL200050_T_F00242	Small leaved lime (Tilia cordata)	507796	187324	12	4	4	4	4	single	480	EM	40+	No	B	1	Retain	Unknown	-
T	F00243	AGL200050_T_F00243	Red ash (Fraxinus pennsylvanica)	507810	187324	12	4	4	4	4	single	360	EM	20+	No	B	1	Retain	Unknown	-

TS1 Baseline Tree Survey

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Unique Tree ID Number			**Species**	**Tree Location**		**Height**	**Spread (m)**				**Trunk/ Stem Cat.**	**Trunk/ Stem Diameter**	**Age**	**ERC**	**TPO**	**Main Cat.**	**Sub Cat.**	**Status**	**HS2 Asset Information Register (AIR) Code**	**General Observation / Description**
Tree Type *(T/TG/ W/H)*	***Tree No***	**Tree ID**	Common Name (scientific name)	Easting (X) coordinate	Northing (Y) coordinate	(m)	North	South	East	West	single / multi stem	(mm)	"(Y, SM, EM, M, OM)"	(years)	(Yes/ No)	(A,B,C or U)	(1, 2 or 3)	Retain / Remove /Works to tree		*(Condition/faults/management/ potential impact on HS2 Infrastructure Corridor/local reference)*
T	F00244	AGL200050_T_F00244	Red oak (Quercus rubra)	507906	187327	16	6.5	6.5	6.5	6.5	single	680	M	40+	No	B	1	Retain	Unknown	Minor dead wood in canopy, large wound on south side of main stem
T	F00245	AGL200050_T_F00245	Pedunculate oak (Quercus robur)	507708	187323	10	5.5	5.5	5.5	5.5	single	460	SM	40+	No	B	1	Retain	Unknown	-
T	F00246	AGL200050_T_F00246	Swedish whitebeam (Sorbus x intermedia) (Sorbus x intermedia)	507836	187327	10	4	4	4	4	single	440	EM	20+	No	C	1	Retain	Unknown	Cankering and wounding of upper stem and lower canopy.
T	F00247	AGL200050_T_F00247	Swedish whitebeam (Sorbus x intermedia) (Sorbus x intermedia)	507786	187327	12	4	4	4	4	single	450	EM	20+	No	B	1	Retain	Unknown	-
T	F00248	AGL200050_T_F00248	Common lime (Tilia x europaea)	507823	187329	14	4	4	4	4	single	470	EM	40+	No	B	1	Retain	Unknown	-
TG	F00249	AGL200050_TG_F00249	Blackthorn (Prunus spinosa)	507546	187323	5	2.5	2.5	2.5	2.5	single	200	M	40+	No	B	2	Retain	Unknown	Blackthorn and hawthorn scrub. Stem inaccessible.
T	F00250	AGL200050_T_F00250	Pedunculate oak (Quercus robur)	507720	187327	10	5.5	5.5	5.5	5.5	single	460	SM	40+	No	B	1	Retain	Unknown	-
T	F00251	AGL200050_T_F00251	Red oak (Quercus rubra)	507893	187331	16	6.5	6.5	6.5	6.5	single	560	M	40+	No	B	1	Retain	Unknown	Minor dead wood in canopy.
TG	F00252	AGL200050_TG_F00252	Common ash (Fraxinus excelsior)	508136	187336	11	3	3	3	3	single	300	EM	20+	No	B	2	Remove (66.5%)	Unknown	21 x ash, 5 x Silver birch, 5 x Field maple, 4 x Red alder, 1 x oak, 1 x Swedish whitebeam, 1 x lime. Potential for ash disease.

TS1 Baseline Tree Survey

Land Parcel Reference			Ruislip Golf Course	**Date undertaken:**		10/2018				**Consultant Name:**	The Ecology Consultancy					**Surveyor Names:**		James Potts, Stefan Harrison, Michael Steed	
Unique Tree ID Number			**Species**	**Tree Location**		**Height**	**Spread (m)**				**Trunk/ Stem Cat.**	**Trunk/ Stem Diameter**	**Age**	**ERC**	**TPO**	**Main Cat.**	**Sub Cat.**	**Status**	**HS2 Asset Information Register (AIR) Code**	**General Observation / Description**
Tree Type *(T/TG/ W/H)*	***Tree No***	**Tree ID**	Common Name (scientific name)	Easting (X) coordinate	Northing (Y) coordinate	(m)	North	South	East	West	single / multi stem	(mm)	"(Y, SM, EM, M, OM)"	(years)	(Yes/ No)	(A,B,C or U)	(1, 2 or 3)	Retain / Remove /Works to tree		*(Condition/faults/management/ potential impact on HS2 Infrastructure Corridor/local reference)*
TG	F00253	AGL200050_TG_F00253	Common ash (Fraxinus excelsior)	508070	187335	14	4	4	4	4	single	183	SM	20+	No	B	2	Retain	Unknown	Lots of dead stems and ivy cladding in centre of group, abbreviated tariff used. Comprising ash and elm.
T	F00254	AGL200050_T_F00254	Small leaved lime (Tilia cordata)	507973	187333	14	6.5	6	7	6	single	530	EM	40+	No	A	1	Retain	Unknown	Bark inclusion on several branch junction's inclusion are well formed and strong. Minor damage to exposed roots
T	F00255	AGL200050_T_F00255	Red oak (Quercus rubra)	507900	187332	16	6.5	6.5	6.5	6.5	single	680	M	40+	No	B	1	Retain	Unknown	Moderate retained dead wood throughout canopy.
T	F00256	AGL200050_T_F00256	Common ash (Fraxinus excelsior)	507548	187325	12	8	8	8	8	single	500	M	20+	No	B	2	Retain	Unknown	Stem inaccessible.
T	F00257	AGL200050_T_F00257	Small leaved lime (Tilia cordata)	507743	187329	12	5	5	5	5	single	550	EM	40+	No	B	2	Remove	Unknown	-
T	F00258	AGL200050_T_F00258	Swedish whitebeam (Sorbus x intermedia) (Sorbus x intermedia)	507850	187332	10	4	4	4	4	single	440	EM	20+	No	C	1	Retain	Unknown	Slightly sparse canopy.
T	F00259	AGL200050_T_F00259	Red alder (Alnus rubra)	507859	187333	7.5	2.5	2.5	2.5	2.5	multi (2-5)	120x3	SM	10+	No	C	1	Retain	Unknown	Sparse canopy, minor dead stem.

TS1 Baseline Tree Survey

Land Parcel Reference			Ruislip Golf Course	**Date undertaken:**		10/2018				**Consultant Name:**	The Ecology Consultancy					**Surveyor Names:**		James Potts, Stefan Harrison, Michael Steed	
Unique Tree ID Number			**Species**	**Tree Location**		**Height**	**Spread (m)**				**Trunk/ Stem Cat.**	**Trunk/ Stem Diameter**	**Age**	**ERC**	**TPO**	**Main Cat.**	**Sub Cat.**	**Status**	**HS2 Asset Information Register (AIR) Code**	**General Observation / Description**
Tree Type *(T/TG/ W/H)*	***Tree No***	**Tree ID**	Common Name (scientific name)	Easting (X) coordinate	Northing (Y) coordinate	(m)	North	South	East	West	single / multi stem	(mm)	"(Y, SM, EM, M, OM)"	(years)	(Yes/ No)	(A,B,C or U)	(1, 2 or 3)	Retain / Remove /Works to tree		*(Condition/faults/management/ potential impact on HS2 Infrastructure Corridor/local reference)*
T	F00260	AGL200050_T_F00260	Small leaved lime (Tilia cordata)	507983	187337	14	7	6	7	6	single	590	M	40+	No	A	1	Retain	Unknown	Bark inclusion on several branch junctions inclusion are well formed and strong. Old wound on north east side of 2m up shows signs of occlusion. Bark damage in canopy.
T	F00261	AGL200050_T_F00261	Swedish whitebeam (Sorbus x intermedia) (Sorbus x intermedia)	507874	187335	9	4	4	4	4	single	410	EM	20+	No	C	1	Retain	Unknown	Cankering and wounding of upper stem and lower canopy.
T	F00262	AGL200050_T_F00262	Common lime (Tilia x europaea)	507866	187335	12	4	4	4	4	single	470	EM	40+	No	B	1	Retain	Unknown	-
TG	F00263	AGL200050_TG_F00263	Pedunculate oak (Quercus robur)	507683	187333	14	8	8	8	8	single	600	M	40+	No	B	2	Retain	Unknown	Row of 8 early mature and mature oaks with scattered ash and willow trees with a hawthorn and blackthorn understorey.
T	F00264	AGL200050_T_F00264	Common hawthorn (Crataegus monogyna)	507574	187331	3.5	2	2	2	2	single	100	SM	40+	No	C	1	Retain	Unknown	-
T	F00265	AGL200050_T_F00265	Red oak (Quercus rubra)	507884	187338	16	8	8	8	8	single	725	M	40+	No	A	2	Retain	Unknown	Included bark compression union at 2m, moderate dead wood in canopy.
T	F00266	AGL200050_T_F00266	Pedunculate oak (Quercus robur)	507905	187339	14	8	9	9	6	single	700	M	40+	No	B	1	Remove	Unknown	Minor lean to north east, ivy clad.
T	F00267	AGL200050_T_F00267	Common ash (Fraxinus excelsior)	508226	187347	11	3	4	4	3	single	560	EM	20+	No	B	1	Retain	Unknown	Potential for ash disease.

TS1 Baseline Tree Survey

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Unique Tree ID Number			**Species**	**Tree Location**		**Height**	**Spread (m)**				**Trunk/ Stem Cat.**	**Trunk/ Stem Diameter**	**Age**	**ERC**	**TPO**	**Main Cat.**	**Sub Cat.**	**Status**	**HS2 Asset Information Register (AIR) Code**	**General Observation / Description**
Tree Type *(T/TG/ W/H)*	***Tree No***	**Tree ID**	Common Name (scientific name)	Easting (X) coordinate	Northing (Y) coordinate	(m)	North	South	East	West	single / multi stem	(mm)	"(Y, SM, EM, M, OM)"	(years)	(Yes/ No)	(A,B,C or U)	(1, 2 or 3)	Retain / Remove /Works to tree		*(Condition/faults/management/ potential impact on HS2 Infrastructure Corridor/local reference)*
TG	F00268	AGL200050_TG_F00268	Common alder (Alnus glutinosa)	507718	187337	11	3.5	3.5	3.5	3.5	single	300	SM	20+	No	B	2	Remove (34.6%)	Unknown	Group of 10 trees consisting of an equal mix of alder and ash.
TG	F00269	AGL200050_TG_F00269	Blackthorn (Prunus spinosa)	507902	187341	7	1.5	1.5	1.5	1.5	single	70	SM	40+	No	C	2	Remove	Unknown	Blackthorn, hawthorn scrub.
T	F00270	AGL200050_T_F00270	Crack willow (Salix fragilis)	507686	187337	9	10	4	10	8	single	1000	OM	40+	No	B	3	Retain	Unknown	Collapsed, decaying willow with regrowth.
T	F00271	AGL200050_T_F00271	Field maple (Acer campestre)	508228	187354	9	3.5	3.5	3.5	3.5	single	290	EM	20+	No	B	3	Retain	Unknown	Occluded metal plaque at base, wounding on base to north and at crown break to south. Memorial tree.
TG	F00272	AGL200050_TG_F00272	Pedunculate oak (Quercus robur)	507760	187344	18	9.5	9.5	9.5	9.5	single	1210	M	40+	No	A	3	Retain	Unknown	Group of 7 veteran and early veteran oaks with exposed heartwood, snapped out limbs and ivy cladding. Possibly part of old hedgerow. Under layer of elm, hawthorn and elder.
TG	F00273	AGL200050_TG_F00273	Common ash (Fraxinus excelsior)	508258	187354	17	6	7	6	6	single	240	SM	40+	No	A	2	Retain	Unknown	Group of 35 trees predominately ash with English elm, wild cherry, hawthorn, holly, blackthorn, English oak.
T	F00274	AGL200050_T_F00274	Crack willow (Salix fragilis)	507686	187343	6	3	3	3	3	single	1280	OM	40+	No	A	3	Retain	Unknown	Regen from veteran pollard, southern part of stem heavily decayed.
T	F00275	AGL200050_T_F00275	Common hawthorn (Crataegus monogyna)	508071	187354	7	2	2	2	2	single	70	EM	40+	No	C	2	Retain	Unknown	Hawthorn and blackthorn scrub with scattered elm and elder.

TS1 Baseline Tree Survey

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Unique Tree ID Number			**Species**	**Tree Location**		**Height**	**Spread (m)**				**Trunk/ Stem Cat.**	**Trunk/ Stem Diameter**	**Age**	**ERC**	**TPO**	**Main Cat.**	**Sub Cat.**	**Status**	**HS2 Asset Information Register (AIR) Code**	**General Observation / Description**
Tree Type *(T/TG/ W/H)*	***Tree No***	**Tree ID**	Common Name (scientific name)	Easting (X) coordinate	Northing (Y) coordinate	(m)	North	South	East	West	single / multi stem	(mm)	"(Y, SM, EM, M, OM)"	(years)	(Yes/ No)	(A,B,C or U)	(1, 2 or 3)	Retain / Remove /Works to tree		*(Condition/faults/management/ potential impact on HS2 Infrastructure Corridor/local reference)*
TG	F00276	AGL200050_TG_F00276	Blackthorn (Prunus spinosa)	507686	187349	7	1.5	1.5	1.5	1.5	single	70	SM	40+	No	C	2	Retain	Unknown	Blackthorn and willow scrub.
TG	F00277	AGL200050_TG_F00277	Common ash (Fraxinus excelsior)	508030	187377	12	5	5	5	5	single	240	SM	40+	No	A	2	Retain	Unknown	Predominately ash with English elm, hawthorn, blackthorn, elder, english oak, field maple understorey. 2 mature field maples with habitat features. 4 semi mature oaks 11m high dbh 500. bramble undergrowth.
T	F00278	AGL200050_T_F00278	Pedunculate oak (Quercus robur)	507951	187378	22	8	8	5	10	single	1250	M	40+	No	A	3	Retain	Unknown	Veteran. Large lower branch east side split and fallen to ground.
TG	F00279	AGL200050_TG_F00279	Common hawthorn (Crataegus monogyna)	508047	187383	7	2	2	2	2	single	70	EM	40+	No	C	2	Retain	Unknown	Hawthorn and blackthorn scrub with scattered elm and elder.
TG	F00280	AGL200050_TG_F00280	Common ash (Fraxinus excelsior)	508047	187383	11.5	2.5	3	4	4	single	305	EM	40+	No	C	2	Retain	Unknown	Group of 2 ash and 1 field maple.
TG	F00281	AGL200050_TG_F00281	Pedunculate oak (Quercus robur)	508181	187388	12	3	5	5	7	single	730	M	40+	No	A	3	Retain	Unknown	3 oaks. General lean to west.
T	F00282	AGL200050_T_F00282	Pedunculate oak (Quercus robur)	508049	187386	18.5	5	7	7	5	single	1160	M	40+	No	A	3	Retain	Unknown	Veteran on west end of G112.
TG	F00283	AGL200050_TG_F00283	English elm (Ulmus procera)	508184	187390	7	1.5	1.5	1.5	1.5	single	17.1	SM	10+	No	C	2	Retain	Unknown	Mainly elm with hawthorn and blackthorn, approximately 20 stems over 70mm with the rest being scrub.

TS1 Baseline Tree Survey

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Unique Tree ID Number			**Species**	**Tree Location**		**Height**	**Spread (m)**				**Trunk/ Stem Cat.**	**Trunk/ Stem Diameter**	**Age**	**ERC**	**TPO**	**Main Cat.**	**Sub Cat.**	**Status**	**HS2 Asset Information Register (AIR) Code**	**General Observation / Description**
Tree Type *(T/TG/ W/H)*	***Tree No***	**Tree ID**	Common Name (scientific name)	Easting (X) coordinate	Northing (Y) coordinate	(m)	North	South	East	West	single / multi stem	(mm)	"(Y, SM, EM, M, OM)"	(years)	(Yes/ No)	(A,B,C or U)	(1, 2 or 3)	Retain / Remove /Works to tree		*(Condition/faults/management/ potential impact on HS2 Infrastructure Corridor/local reference)*
T	F00284	AGL200050_T_F00284	Pedunculate oak (Quercus robur)	507694	187380	11	5	5	4	4	multi (2-5)	400x2	M	40+	No	B	1	Retain	Unknown	Tree stem forks at 0.5m.
TG	F00285	AGL200050_TG_F00285	Crack willow (Salix fragilis)	507805	187383	22	5	5	6	6	single	560	M	20+	No	B	1	Retain	Unknown	Group of 3 crack willow with smaller goat willow under. Larger trees previously coppiced.
T	F00286	AGL200050_T_F00286	Pedunculate oak (Quercus robur)	507688	187381	13	4	1	3	4	single	370	EM	40+	No	B	1	Retain	Unknown	Growing as one canopy with adjacent ash to south.
T	F00287	AGL200050_T_F00287	Common ash (Fraxinus excelsior)	507690	187381	13	1	4	4	4	single	380	M	10+	No	C	1	Retain	Unknown	Potential for ash disease.
T	F00288	AGL200050_T_F00288	Pedunculate oak (Quercus robur)	507646	187382	0	5	5	5	5	single	460	M	40+	No	A	1	Retain	Unknown	Growing in middle of blackthorn thicket.
T	F00289	AGL200050_T_F00289	Common ash (Fraxinus excelsior)	507590	187382	6.5	2	2	2	2	single	90	Y	40+	No	C	1	Retain	Unknown	-
T	F00290	AGL200050_T_F00290	Pedunculate oak (Quercus robur)	507591	187382	6	2	2	2	2	single	105	Y	40+	No	C	1	Retain	Unknown	-
T	F00291	AGL200050_T_F00291	Pedunculate oak (Quercus robur)	507612	187387	3	2	2	2	2	single	75	Y	40+	No	C	1	Retain	Unknown	-
TG	F00292	AGL200050_TG_F00292	Crack willow (Salix fragilis)	507649	187390	6	2	2	2	2	single	180	EM	20+	No	B	2	Retain	Unknown	Group containing 30+ willow with 6 x young oak, pole stage ash, elm, Field maple and dense blackthorn thicket in places.
T	F00293	AGL200050_T_F00293	Pedunculate oak (Quercus robur)	507595	187389	6	2	2	2	2	single	105	Y	40+	No	C	1	Retain	Unknown	-

TS1 Baseline Tree Survey

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Unique Tree ID Number			**Species**	**Tree Location**		**Height**	**Spread (m)**				**Trunk/ Stem Cat.**	**Trunk/ Stem Diameter**	**Age**	**ERC**	**TPO**	**Main Cat.**	**Sub Cat.**	**Status**	**HS2 Asset Information Register (AIR) Code**	**General Observation / Description**
Tree Type *(T/TG/ W/H)*	***Tree No***	**Tree ID**	Common Name (scientific name)	Easting (X) coordinate	Northing (Y) coordinate	(m)	North	South	East	West	single / multi stem	(mm)	"(Y, SM, EM, M, OM)"	(years)	(Yes/ No)	(A,B,C or U)	(1, 2 or 3)	Retain / Remove /Works to tree		*(Condition/faults/management/ potential impact on HS2 Infrastructure Corridor/local reference)*
T	F00294	AGL200050_T_F00294	Goat willow (Salix caprea)	507918	187398	6.5	2.5	2.5	2.5	2.5	multi (5+)	100x6	SM	40+	No	C	1	Retain	Unknown	-
T	F00295	AGL200050_T_F00295	Goat willow (Salix caprea)	507609	187391	6.5	2.5	2.5	2.5	2.5	multi (5+)	70x12	SM	40+	No	C	1	Retain	Unknown	-
T	F00296	AGL200050_T_F00296	Pedunculate oak (Quercus robur)	507771	187396	16	6.5	6.5	6.5	6.5	single	1100	M	40+	No	A	1	Retain	Unknown	Minor hollows between buttress roots, moderate dead wood in canopy.
TG	F00297	AGL200050_TG_F00297	Crack willow (Salix fragilis)	507564	187392	10	1.5	1.5	1.5	1.5	single	250	SM	20+	No	C	2	Retain	Unknown	Group of 15 trees predominantly crack willow with hawthorn, blackthorn and ash scrub with scattered oak and willow.
T	F00298	AGL200050_T_F00298	Pedunculate oak (Quercus robur)	508136	187405	16	9	9	9	9	single	1380	M	40+	No	A	2	Retain	Unknown	Lapsed pollard, veteran.
T	F00299	AGL200050_T_F00299	Pedunculate oak (Quercus robur)	507958	187403	5	1.5	2	2	2	single	120	Y	40+	No	C	1	Retain	Unknown	-
TG	F00300	AGL200050_TG_F00300	Crack willow (Salix fragilis)	507580	187395	7	1.5	1.5	1.5	1.5	single	70	SM	20+	No	C	2	Retain	Unknown	Willow, hawthorn, blackthorn and ash scrub.
TG	F00301	AGL200050_TG_F00301	Common ash (Fraxinus excelsior)	507580	187395	9	2.5	2.5	2.5	2.5	single	200	SM	20+	No	B	2	Retain	Unknown	Group comprising predominantly ash with alder, apple, crack willow and a hawthorn scrub understorey. Approximately 50 trees.
TG	F00302	AGL200050_TG_F00302	Crack willow (Salix fragilis)	507742	187399	7	1.5	1.5	1.5	1.5	single	100	SM	20+	No	C	2	Retain	Unknown	Semi mature willow suckering with large broken stem in centre. Approx 50 stems.

TS1 Baseline Tree Survey

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Unique Tree ID Number			Species	Tree Location		Height	Spread (m)				Trunk/ Stem Cat.	Trunk/ Stem Diameter	Age	ERC	TPO	Main Cat.	Sub Cat.	Status	HS2 Asset Information Register (AIR) Code	General Observation / Description
Tree Type (T/TG/ W/H)	*Tree No*	Tree ID	Common Name (scientific name)	Easting (X) coordinate	Northing (Y) coordinate	(m)	North	South	East	West	single / multi stem	(mm)	"(Y, SM, EM, M, OM)"	(years)	(Yes/ No)	(A,B,C or U)	(1, 2 or 3)	Retain / Remove /Works to tree		*(Condition/faults/management/ potential impact on HS2 Infrastructure Corridor/local reference)*
TG	F00303	AGL200050_TG_F00303	Pedunculate oak (Quercus robur)	507776	187401	6	1.5	1.5	1.5	1.5	single	200	EM	20+	No	C	2	Retain	Unknown	Small oak, elm and hawthorn extending around large oak tree.
TG	F00304	AGL200050_TG_F00304	Pedunculate oak (Quercus robur)	507691	187399	11	5	5	5	5	single	370	SM	40+	No	B	2	Retain	Unknown	The tree has a dead limb on the north side 2.5m above ground level. There is minor bark damage at base.
T	F00305	AGL200050_T_F00305	Pedunculate oak (Quercus robur)	507901	187405	7	3	2.5	2.5	2.5	single	180	SM	40+	No	C	1	Retain	Unknown	-
T	F00306	AGL200050_T_F00306	Goat willow (Salix caprea)	507931	187406	6.5	2.5	2.5	2.5	2.5	multi (5+)	70x12	SM	40+	No	C	1	Retain	Unknown	-
T	F00307	AGL200050_T_F00307	Pedunculate oak (Quercus robur)	507906	187405	5	2	2	2	2	single	80	Y	40+	No	C	1	Retain	Unknown	-
T	F00308	AGL200050_T_F00308	Common hawthorn (Crataegus monogyna)	507981	187407	5	1.5	1.5	1.5	1.5	single	200	EM	40+	No	C	1	Retain	Unknown	Stem inaccessible.
T	F00309	AGL200050_T_F00309	Goat willow (Salix caprea)	507959	187408	6.5	2.5	2.5	2.5	2.5	multi (2-5)	110x5	SM	40+	No	C	1	Retain	Unknown	-
T	F00310	AGL200050_T_F00310	Goat willow (Salix caprea)	507896	187407	6.5	2.5	2.5	2.5	2.5	multi (5+)	70x12	SM	40+	No	C	1	Retain	Unknown	-
T	F00311	AGL200050_T_F00311	Pedunculate oak (Quercus robur)	507630	187403	5	2.5	2.5	2.5	2.5	single	105	Y	40+	No	C	1	Retain	Unknown	-
TG	F00312	AGL200050_TG_F00312	Pedunculate oak (Quercus robur)	507606	187404	18	7	7	6	7	single	670	M	40+	No	A	2	Remove (10.3%)	Unknown	Large group containing 12 early mature oak and one mature ash. Hawthorn and blackthorn understorey.

TS1 Baseline Tree Survey

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Unique Tree ID Number			**Species**	**Tree Location**		**Height**	**Spread (m)**				**Trunk/ Stem Cat.**	**Trunk/ Stem Diameter**	**Age**	**ERC**	**TPO**	**Main Cat.**	**Sub Cat.**	**Status**	**HS2 Asset Information Register (AIR) Code**	**General Observation / Description**
Tree Type *(T/TG/ W/H)*	***Tree No***	**Tree ID**	Common Name (scientific name)	Easting (X) coordinate	Northing (Y) coordinate	(m)	North	South	East	West	single / multi stem	(mm)	"(Y, SM, EM, M, OM)"	(years)	(Yes/ No)	(A,B,C or U)	(1, 2 or 3)	Retain / Remove /Works to tree		*(Condition/faults/management/ potential impact on HS2 Infrastructure Corridor/local reference)*
TG	F00313	AGL200050_TG_F00313	Pedunculate oak (Quercus robur)	508034	187419	14	4	4	5	5	single	330	EM	40+	No	A	2	Retain	Unknown	Group containing 10 oaks with crack willow, elm and ash with Field maple and hawthorn understory.
TG	F00314	AGL200050_TG_F00314	Common hawthorn (Crataegus monogyna)	507615	187413	4.5	2	2	2	2	single	140	EM	20+	No	B	3	Retain	Unknown	Small group of 5 hawthorn with taller goat willow.
T	F00315	AGL200050_T_F00315	Common alder (Alnus glutinosa)	507601	187419	10	3	3	3	3	single	350	SM	40+	No	C	1	Retain	Unknown	-
T	F00316	AGL200050_T_F00316	Common ash (Fraxinus excelsior)	507663	187421	8.5	5	5	5	5	single	260	SM	20+	No	B	1	Retain	Unknown	-
T	F00317	AGL200050_T_F00317	Pedunculate oak (Quercus robur)	507851	187425	6	2.5	2.5	2.5	2.5	single	100	Y	40+	No	C	1	Retain	Unknown	-
TG	F00318	AGL200050_TG_F00318	Common ash (Fraxinus excelsior)	507984	187430	13	5	5	5	5	single	500	EM	20+	No	C	2	Retain	Unknown	Group of 3 ash with blackthorn, elm and ash scrub understorey. The base was inaccessible.
TG	F00319	AGL200050_TG_F00319	Common ash (Fraxinus excelsior)	507570	187421	12	3.5	3.5	3.5	3.5	single	400	EM	40+	No	C	2	Retain	Unknown	Comprising 5 trees, ash, alder and crack willow with hawthorn understorey.
TG	F00320	AGL200050_TG_F00320	Crack willow (Salix fragilis)	507684	187426	8	6	6	6	6	multi (5+)	220x7	EM	20+	No	B	2	Retain	Unknown	Row of willow pollards on the top of a bank, 8 trees in total.
T	F00321	AGL200050_T_F00321	Common ash (Fraxinus excelsior)	507688	187428	17	8.5	8.5	8.5	8.5	single	650	EM	20+	No	B	1	Retain	Unknown	Stem obstructed.

TS1 Baseline Tree Survey

Land Parcel Reference			Ruislip Golf Course	**Date undertaken:**		10/2018				**Consultant Name:**	The Ecology Consultancy					**Surveyor Names:**		James Potts, Stefan Harrison, Michael Steed	
Unique Tree ID Number			**Species**	**Tree Location**		**Height**	**Spread (m)**				**Trunk/ Stem Cat.**	**Trunk/ Stem Diameter**	**Age**	**ERC**	**TPO**	**Main Cat.**	**Sub Cat.**	**Status**	**HS2 Asset Information Register (AIR) Code**	**General Observation / Description**
Tree Type *(T/TG/ W/H)*	***Tree No***	**Tree ID**	Common Name (scientific name)	Easting (X) coordinate	Northing (Y) coordinate	(m)	North	South	East	West	single / multi stem	(mm)	"(Y, SM, EM, M, OM)"	(years)	(Yes/ No)	(A,B,C or U)	(1, 2 or 3)	Retain / Remove /Works to tree		*(Condition/faults/management/ potential impact on HS2 Infrastructure Corridor/local reference)*
TG	F00322	AGL200050_TG_F00322	Pedunculate oak (Quercus robur)	507825	187435	10	5.5	5.5	5.5	5.5	single	520	EM	40+	No	C	2	Retain	Unknown	1 oak surrounded by blackthorn, goat willow, elm and hawthorn. Oak has ivy clad stem and minor dead wood in canopy.
TG	F00323	AGL200050_TG_F00323	Pedunculate oak (Quercus robur)	507628	187431	7	2	2	3	3	single	200	SM	40+	No	B	2	Retain	Unknown	Small Group with mature multi stem goat willow and two younger oaks and hawthorn understorey.
T	F00324	AGL200050_T_F00324	Pedunculate oak (Quercus robur)	507605	187431	9	3	3	3	3	single	350	SM	40+	No	C	1	Retain	Unknown	-
TG	F00325	AGL200050_TG_F00325	Common hawthorn (Crataegus monogyna)	507606	187432	6	1.5	1.5	1.5	1.5	single	70	SM	40+	No	C	2	Retain	Unknown	Hawthorn scrub with scattered ash and blackthorn.
TG	F00326	AGL200050_TG_F00326	Crack willow (Salix fragilis)	507798	187438	17	4	4	6	6	single	375	EM	20+	No	B	2	Retain	Unknown	Bases inaccessible, comprising 5 ash and 10 crack willow with elm, hawthorn and willow scrub. Decay fungi and wounding on central willow.
TG	F00327	AGL200050_TG_F00327	Pedunculate oak (Quercus robur)	507823	187440	8	2.5	2.5	2.5	2.5	single	325	SM	40+	No	C	2	Retain	Unknown	Comprising 1 hawthorn and 2 oak.
TG	F00328	AGL200050_TG_F00328	Crack willow (Salix fragilis)	507579	187440	20	5	5	5	5	single	750	M	20+	No	B	2	Retain	Unknown	3 crack willow surrounded by hawthorn and blackthorn scrub.

TS1 Baseline Tree Survey

Land Parcel Reference			Ruislip Golf Course	**Date undertaken:**		10/2018		**Consultant Name:**			The Ecology Consultancy					**Surveyor Names:**		James Potts, Stefan Harrison, Michael Steed	
Unique Tree ID Number			**Species**	**Tree Location**		**Height**	**Spread (m)**				**Trunk/ Stem Cat.**	**Trunk/ Stem Diameter**	**Age**	**ERC**	**TPO**	**Main Cat.**	**Sub Cat.**	**Status**	**HS2 Asset Information Register (AIR) Code**	**General Observation / Description**
Tree Type *(T/TG/ W/H)*	***Tree No***	**Tree ID**	Common Name (scientific name)	Easting (X) coordinate	Northing (Y) coordinate	(m)	North	South	East	West	single / multi stem	(mm)	"(Y, SM, EM, M, OM)"	(years)	(Yes/ No)	(A,B,C or U)	(1, 2 or 3)	Retain / Remove /Works to tree		*(Condition/faults/management/ potential impact on HS2 Infrastructure Corridor/local reference)*
TG	F00329	AGL200050_TG_F00329	Pedunculate oak (Quercus robur)	508068	187451	14	4	4	4	4	single	291	M	40+	No	A	3	Retain	Unknown	Small copse consisting of oak, ash, elm, poplar, aspen with elder and hawthorn understorey.
T	F00330	AGL200050_T_F00330	Field maple (Acer campestre)	507604	187445	7.5	3	3	3	3	multi (2-5)	150x3	SM	40+	No	C	1	Retain	Unknown	-
T	F00331	AGL200050_T_F00331	Common alder (Alnus glutinosa)	507614	187448	14	5	5	5	5	multi (2-5)	550x3	OM	20+	No	B	3	Retain	Unknown	Veteran.
T	F00332	AGL200050_T_F00332	Common ash (Fraxinus excelsior)	507600	187448	6.5	2.5	2.5	2.5	2.5	single	250	SM	40+	No	C	1	Retain	Unknown	-
TG	F00333	AGL200050_TG_F00333	Blackthorn (Prunus spinosa)	507887	187458	4	2	2	2	2	single	120	SM	40+	No	B	3	Retain	Unknown	Group consists of blackthorn, crack willow, goat willow, hawthorn and wild cherry scrub with scattered semi mature oak with dbh of 200 and 12m tall. The base was inaccessible.
TG	F00334	AGL200050_TG_F00334	Common hawthorn (Crataegus monogyna)	507657	187476	6	1	1	1	1	single	220	SM	40+	No	B	2	Retain	Unknown	The group consists predominantly hawthorn with crack willow, English oak and ash.

Appendix 2 Phase 2 Schedule of Trees

TS2 Baseline Tree Survey

Land Parcel Reference			Ruislip Golf Course	Date undertaken:		02/2018		Consultant Name:		The Ecology Consultancy		Surveyor Names:	James Potts
Stage 1 survey information										Stage 2 survey information			
Unique Tree ID Number				Species	Main Cat.	Sub Cat.	Trunk/ Stem Cat.	Trunk/Stem Diameter		Root Protection Area	Status	HS2 Asset Information Register (AIR) Code	Management & Protections Recommendations
Tree Type (T/TG/ W/H)	Tree No	Tree ID		Common Name *(scientific name)*	*(A,B,C or U)*	*(1, 2 or 3)*	*single / multi stem*	*(mm)*		*(RPA) radius of nominal circle (m)*	*Retain / Remove*		*(retention, protection or management comments & notable constraints)*
T	F001	AGL200050_T_F001		Silver birch (Betula pendula)	C	1	single	200		2.4	Retain	Unknown	Design proposals unknown. No comments
T	F002	AGL200050_T_F002		Silver birch (Betula pendula)	C	1	single	300		3.6	Retain	Unknown	Design proposals unknown. No comments
T	F003	AGL200050_T_F003		Silver birch (Betula pendula)	C	1	single	210		2.5	Retain	Unknown	Design proposals unknown. No comments
T	F004	AGL200050_T_F004		Silver birch (Betula pendula)	C	1	single	110		1.3	Retain	Unknown	Design proposals unknown. No comments
T	F009	AGL200050_T_F009		Pedunculate oak (Quercus robur)	B	1	single	675		8.1	Retain	Unknown	Design proposals unknown. No comments
T	F0010	AGL200050_T_F0010		Pedunculate oak (Quercus robur)	A	3	single	1950		15	Retain	Unknown	Design proposals unknown. No comments
TG	F0012	AGL200050_TG_F0012		Lawson cypress (Chamaecyparis lawsoniana)	B	2	single	220		2.6	Retain	Unknown	Design proposals unknown. No comments
TG	F0013	AGL200050_TG_F0013		Italian alder (Alnus cordata)	C	2	single	340		4.1	Retain	Unknown	Design proposals unknown. No comments
T	F0015	AGL200050_T_F0015		Lawson cypress (Chamaecyparis lawsoniana)	B	1	single	480		5.8	Retain	Unknown	Design proposals unknown. No comments
TG	F0016	AGL200050_TG_F0016		Blackthorn (Prunus spinosa)	B	2	single	75		0.9	Retain	Unknown	Design proposals unknown. No comments
TG	F0017	AGL200050_TG_F0017		Common ash (Fraxinus excelsior)	C	2	single	320		3.8	Retain	Unknown	Design proposals unknown. No comments
TG	F0018	AGL200050_TG_F0018		Pedunculate oak (Quercus robur)	B	1	single	510		6.1	Retain	Unknown	Design proposals unknown. No comments
T	F0019	AGL200050_T_F0019		Lawson cypress (Chamaecyparis lawsoniana)	B	1	single	750		9	Retain	Unknown	Design proposals unknown. No comments
TG	F0020	AGL200050_TG_F0020		Leyland cypress	C	2	multi (5+)	150		4.4	Retain	Unknown	Design proposals unknown. No comments
T	F0021	AGL200050_T_F0021		Honey locust (Gleditsia triacanthos)	C	1	multi (2-5)	100		1.7	Retain	Unknown	Design proposals unknown. No comments
TG	F0022	AGL200050_TG_F0022		Pedunculate oak (Quercus robur)	C	1	single	320		3.8	Retain	Unknown	Design proposals unknown. No comments
TG	F0023	AGL200050_TG_F0023		Pedunculate oak (Quercus robur)	C	2	single	320		3.8	Retain	Unknown	Design proposals unknown. No comments

TS2 Baseline Tree Survey

Land Parcel Reference			Ruislip Golf Course	Date undertaken:		02/2018		Consultant Name:		The Ecology Consultancy		Surveyor Names:	James Potts
Stage 1 survey information										Stage 2 survey information			
Unique Tree ID Number				Species	Main Cat.	Sub Cat.	Trunk/ Stem Cat.	Trunk/Stem Diameter		Root Protection Area	Status	HS2 Asset Information Register (AIR) Code	Management & Protections Recommendations
Tree Type (T/TG/ W/H)	Tree No	Tree ID		Common Name *(scientific name)*	*(A,B,C or U)*	*(1, 2 or 3)*	*single / multi stem*	*(mm)*		*(RPA) radius of nominal circle (m)*	*Retain / Remove*		*(retention, protection or management comments & notable constraints)*
T	F0025	AGL200050_T_F0025		Smooth leaved elm (Ulmus minor)	C	2	multi (2-5)	150		2.5	Retain	Unknown	Design proposals unknown. No comments
T	F0026	AGL200050_T_F0026		Portuguese laurel (Prunus lusitanica)	C	2	multi (2-5)	230		5.5	Retain	Unknown	Design proposals unknown. No comments
T	F0029	AGL200050_T_F0029		Corkscrew willow (Salix babylonica var. pekinensis 'Tortuosa')	B	2	single	595		7.1	Retain	Unknown	Design proposals unknown. No comments
T	F0033	AGL200050_T_F0033		Pedunculate oak (Quercus robur)	B	1	single	850		10.2	Retain	Unknown	Design proposals unknown. No comments
T	F0035	AGL200050_T_F0035		Smooth leaved elm (Ulmus minor)	C	2	multi (2-5)	150		2.5	Retain	Unknown	Design proposals unknown. No comments
T	F0038	AGL200050_T_F0038		Smooth leaved elm (Ulmus minor)	C	2	multi (2-5)	150		2.5	Retain	Unknown	Design proposals unknown. No comments
TG	F0039	AGL200050_TG_F0039		Crack willow (Salix fragilis)	C	2	single	235		2.8	Retain	Unknown	Design proposals unknown. No comments
TG	F0040	AGL200050_TG_F0040		Aspen (Populus tremula)	C	2	single	300		3.6	Retain	Unknown	Design proposals unknown. No comments
T	F0041	AGL200050_T_F0041		Field maple (Acer campestre)	B	2	multi (2-5)	220		3.7	Retain	Unknown	Design proposals unknown. No comments
T	F0045	AGL200050_T_F0045		Common alder (Alnus glutinosa)	C	1	multi (2-5)	255		4.3	Retain	Unknown	Design proposals unknown. No comments
T	F0047	AGL200050_T_F0047		Common alder (Alnus glutinosa)	C	1	multi (2-5)	130		2.2	Retain	Unknown	Design proposals unknown. No comments
T	F0049	AGL200050_T_F0049		Common ash (Fraxinus excelsior)	B	2	multi (2-5)	400		9.6	Retain	Unknown	Design proposals unknown. No comments
T	F0050	AGL200050_T_F0050		Common alder (Alnus glutinosa)	C	1	multi (2-5)	130		2.2	Retain	Unknown	Design proposals unknown. No comments
T	F0051	AGL200050_T_F0051		Crack willow (Salix fragilis)	C	1	multi (5+)	150		4.8	Retain	Unknown	Design proposals unknown. No comments
T	F0052	AGL200050_T_F0052		European hornbeam (Carpinus betulus)	B	1	single	455		5.5	Retain	Unknown	Design proposals unknown. No comments
TG	F0053	AGL200050_TG_F0053		Leyland cypress	C	2	multi (5+)	150		4.4	Retain	Unknown	Design proposals unknown. No comments
T	F0054	AGL200050_T_F0054		Common hawthorn (Crataegus monogyna)	C	1	single	70		0.8	Retain	Unknown	Design proposals unknown. No comments

TS2 Baseline Tree Survey

Land Parcel Reference			Ruislip Golf Course	Date undertaken:		02/2018		Consultant Name:		The Ecology Consultancy		Surveyor Names:	James Potts
Stage 1 survey information										Stage 2 survey information			
Unique Tree ID Number			Species	Main Cat.	Sub Cat.	Trunk/ Stem Cat.	Trunk/Stem Diameter			Root Protection Area	Status	HS2 Asset Information Register (AIR) Code	Management & Protections Recommendations
Tree Type (T/TG/ W/H)	Tree No	Tree ID	Common Name *(scientific name)*	*(A,B,C or U)*	*(1, 2 or 3)*	*single / multi stem*	*(mm)*			*(RPA) radius of nominal circle (m)*	*Retain / Remove*		*(retention, protection or management comments & notable constraints)*
T	F0058	AGL200050_T_F0058	Black poplar (Populus nigra)	B	1	single	630			7.6	Retain	Unknown	Design proposals unknown. No comments
T	F0059	AGL200050_T_F0059	Red alder (Alnus rubra)	C	1	single	200			2.4	Retain	Unknown	Design proposals unknown. No comments
TG	F0061	AGL200050_TG_F0061	Pedunculate oak (Quercus robur)	B	2	multi (2-5)	305			5.2	Retain	Unknown	Design proposals unknown. No comments
T	F0065	AGL200050_T_F0065	Pedunculate oak (Quercus robur)	B	1	single	370			4.4	Retain	Unknown	Design proposals unknown. No comments
T	F0066	AGL200050_T_F0066	Red alder (Alnus rubra)	C	1	single	230			2.8	Retain	Unknown	Design proposals unknown. No comments
T	F0067	AGL200050_T_F0067	Common ash (Fraxinus excelsior)	B	1	single	265			3.2	Retain	Unknown	Design proposals unknown. No comments
T	F0069	AGL200050_T_F0069	Small leaved lime (Tilia cordata)	C	1	single	310			3.7	Retain	Unknown	Design proposals unknown. No comments
T	F0070	AGL200050_T_F0070	Common ash (Fraxinus excelsior)	B	1	single	300			3.6	Retain	Unknown	Design proposals unknown. No comments
T	F0072	AGL200050_T_F0072	Common ash (Fraxinus excelsior)	B	1	single	340			4.1	Retain	Unknown	Design proposals unknown. No comments
TG	F0073	AGL200050_TG_F0073	Blackthorn (Prunus spinosa)	B	2	single	24			0.3	Retain	Unknown	Design proposals unknown. No comments
T	F0076	AGL200050_T_F0076	Pedunculate oak (Quercus robur)	B	1	single	600			7.2	Retain	Unknown	Design proposals unknown. No comments
T	F0077	AGL200050_T_F0077	Common hawthorn (Crataegus monogyna)	C	1	single	200			2.4	Retain	Unknown	Design proposals unknown. No comments
T	F0078	AGL200050_T_F0078	Norway maple 'Crimson King' (Acer platanoides 'Crimson King')	C	1	single	80			1	Retain	Unknown	Design proposals unknown. No comments
T	F0079	AGL200050_T_F0079	Common hawthorn (Crataegus monogyna)	C	1	single	200			2.4	Retain	Unknown	Design proposals unknown. No comments
T	F0080	AGL200050_T_F0080	Common alder (Alnus glutinosa)	C	1	single	80			1	Retain	Unknown	Design proposals unknown. No comments
TG	F0081	AGL200050_TG_F0081	Black poplar (Populus nigra)	B	2	single	500			6	Retain	Unknown	Design proposals unknown. No comments
TG	F0082	AGL200050_TG_F0082	Weeping willow (Salix alba)	B	2	single	340			4.1	Retain	Unknown	Design proposals unknown. No comments

TS2 Baseline Tree Survey

Land Parcel Reference			Ruislip Golf Course	Date undertaken:		02/2018		Consultant Name:		The Ecology Consultancy		Surveyor Names:	James Potts
Stage 1 survey information										Stage 2 survey information			
Unique Tree ID Number				Species	Main Cat.	Sub Cat.	Trunk/ Stem Cat.	Trunk/Stem Diameter		Root Protection Area	Status	HS2 Asset Information Register (AIR) Code	Management & Protections Recommendations
Tree Type (T/TG/ W/H)	Tree No	Tree ID		Common Name *(scientific name)*	*(A,B,C or U)*	*(1, 2 or 3)*	*single / multi stem*	*(mm)*		*(RPA) radius of nominal circle (m)*	*Retain / Remove*		*(retention, protection or management comments & notable constraints)*
TG	F0083	AGL200050_TG_F0083		Common ash (Fraxinus excelsior)	B	2	single	215		2.6	Retain	Unknown	Design proposals unknown. No comments
T	F0084	AGL200050_T_F0084		Small leaved lime (Tilia cordata)	C	1	single	80		1	Retain	Unknown	Design proposals unknown. No comments
TG	F0085	AGL200050_TG_F0085		Common ash (Fraxinus excelsior)	A	2	single	450		5.4	Retain	Unknown	Design proposals unknown. No comments
TG	F0086	AGL200050_TG_F0086		Common alder (Alnus glutinosa)	B	2	single	350		4.2	Retain	Unknown	Design proposals unknown. No comments
T	F0087	AGL200050_T_F0087		Weeping willow (Salix alba)	B	1	single	650		7.8	Retain	Unknown	Design proposals unknown. No comments
TG	F0088	AGL200050_TG_F0088		English elm (Ulmus procera)	C	2	single	160		1.9	Retain	Unknown	Design proposals unknown. No comments
T	F0089	AGL200050_T_F0089		Italian alder (Alnus cordata)	U	U	single	205		2.5	Retain	Unknown	Design proposals unknown. No comments
TG	F0092	AGL200050_TG_F0092		Lombardy poplar (Populus nigra 'Italica')	A	2	single	475		5.7	Retain	Unknown	Design proposals unknown. No comments
T	F0094	AGL200050_T_F0094		Red alder (Alnus rubra)	C	1	single	240		2.9	Retain	Unknown	Design proposals unknown. No comments
T	F0095	AGL200050_T_F0095		Common alder (Alnus glutinosa)	C	1	single	310		3.7	Retain	Unknown	Design proposals unknown. No comments
T	F0097	AGL200050_T_F0097		Pedunculate oak (Quercus robur)	C	1	single	200		2.4	Retain	Unknown	Design proposals unknown. No comments
T	F0099	AGL200050_T_F0099		Pedunculate oak (Quercus robur)	B	1	single	645		7.7	Retain	Unknown	Design proposals unknown. No comments
T	F00101	AGL200050_T_F00101		Common hawthorn (Crataegus monogyna)	C	1	multi (2-5)	250		4.2	Retain	Unknown	Design proposals unknown. No comments
T	F00102	AGL200050_T_F00102		Field maple (Acer campestre)	B	1	single	300		3.6	Retain	Unknown	Design proposals unknown. No comments
T	F00103	AGL200050_T_F00103		Common alder (Alnus glutinosa)	B	1	single	310		3.7	Retain	Unknown	Design proposals unknown. No comments
T	F00104	AGL200050_T_F00104		Pedunculate oak (Quercus robur)	B	1	single	500		6	Retain	Unknown	Design proposals unknown. No comments
T	F00105	AGL200050_T_F00105		Goat willow (Salix caprea)	C	1	multi (2-5)	240		5	Retain	Unknown	Design proposals unknown. No comments

TS2 Baseline Tree Survey

Land Parcel Reference			Ruislip Golf Course	Date undertaken:		02/2018		Consultant Name:		The Ecology Consultancy		Surveyor Names:	James Potts
Stage 1 survey information										Stage 2 survey information			
Unique Tree ID Number				Species	Main Cat.	Sub Cat.	Trunk/ Stem Cat.	Trunk/Stem Diameter		Root Protection Area	Status	HS2 Asset Information Register (AIR) Code	Management & Protections Recommendations
Tree Type (T/TG/ W/H)	Tree No	Tree ID		Common Name *(scientific name)*	*(A,B,C or U)*	*(1, 2 or 3)*	*single / multi stem*	*(mm)*		*(RPA) radius of nominal circle (m)*	*Retain / Remove*		*(retention, protection or management comments & notable constraints)*
TG	F00106	AGL200050_TG_F00106		Common hawthorn (Crataegus monogyna)	C	2	multi (2-5)	200		4.2	Retain	Unknown	Design proposals unknown. No comments
T	F00107	AGL200050_T_F00107		Red alder (Alnus rubra)	C	1	single	330		4	Retain	Unknown	Design proposals unknown. No comments
TG	F00108	AGL200050_TG_F00108		Field maple (Acer campestre)	C	2	single	350		4.2	Retain	Unknown	Design proposals unknown. No comments
T	F00109	AGL200050_T_F00109		Common alder (Alnus glutinosa)	C	1	multi (2-5)	210		3.6	Retain	Unknown	Design proposals unknown. No comments
TG	F00110	AGL200050_TG_F00110		Black poplar (Populus nigra)	B	2	single	500		6	Retain	Unknown	Design proposals unknown. No comments
T	F00111	AGL200050_T_F00111		Common alder (Alnus glutinosa)	C	1	single	260		3.1	Retain	Unknown	Design proposals unknown. No comments
TG	F00113	AGL200050_TG_F00113		Common hawthorn (Crataegus monogyna)	C	2	single	70		0.8	Retain	Unknown	Design proposals unknown. No comments
T	F00114	AGL200050_T_F00114		Common ash (Fraxinus excelsior)	B	3	single	600		7.2	Retain	Unknown	Design proposals unknown. No comments
TG	F00115	AGL200050_TG_F00115		Crack willow (Salix fragilis)	A	2	single	715		8.6	Retain	Unknown	Design proposals unknown. No comments
T	F00116	AGL200050_T_F00116		Field maple (Acer campestre)	C	1	single	385		4.6	Retain	Unknown	Design proposals unknown. No comments
TG	F00119	AGL200050_TG_F00119		Bay willow (Salix pentandra)	B	2	single	480		5.8	Retain	Unknown	Design proposals unknown. No comments
TG	F00121	AGL200050_TG_F00121		Common ash (Fraxinus excelsior)	C	2	single	250		3	Retain	Unknown	Design proposals unknown. No comments
TG	F00123	AGL200050_TG_F00123		Aspen (Populus tremula)	B	2	single	300		3.6	Retain	Unknown	Design proposals unknown. No comments
T	F00124	AGL200050_T_F00124		Red alder (Alnus rubra)	C	1	single	100		1.2	Retain	Unknown	Design proposals unknown. No comments
T	F00126	AGL200050_T_F00126		Common alder (Alnus glutinosa)	C	1	single	250		3	Retain	Unknown	Design proposals unknown. No comments
T	F00127	AGL200050_T_F00127		Red alder (Alnus rubra)	C	1	multi (2-5)	110		1.9	Retain	Unknown	Design proposals unknown. No comments
T	F00129	AGL200050_T_F00129		Common alder (Alnus glutinosa)	C	1	single	200		2.4	Retain	Unknown	Design proposals unknown. No comments

TS2 Baseline Tree Survey

Land Parcel Reference			Ruislip Golf Course	Date undertaken:		02/2018		Consultant Name:		The Ecology Consultancy		Surveyor Names:	James Potts
Stage 1 survey information										Stage 2 survey information			
Unique Tree ID Number				Species	Main Cat.	Sub Cat.	Trunk/ Stem Cat.	Trunk/Stem Diameter		Root Protection Area	Status	HS2 Asset Information Register (AIR) Code	Management & Protections Recommendations
Tree Type *(T/TG/ W/H)*	**Tree No**	**Tree ID**		Common Name *(scientific name)*	*(A,B,C or U)*	*(1, 2 or 3)*	*single / multi stem*	*(mm)*		*(RPA) radius of nominal circle (m)*	*Retain / Remove*		*(retention, protection or management comments & notable constraints)*
TG	F00133	AGL200050_TG_F00133		Common ash (Fraxinus excelsior)	C	1	single	235		2.8	Retain	Unknown	Design proposals unknown. No comments
T	F00134	AGL200050_T_F00134		Red alder (Alnus rubra)	C	1	single	100		1.2	Retain	Unknown	Design proposals unknown. No comments
T	F00136	AGL200050_T_F00136		Common ash (Fraxinus excelsior)	A	1	single	1025		12.3	Retain	Unknown	Design proposals unknown. No comments
TG	F00137	AGL200050_TG_F00137		Crack willow (Salix fragilis)	C	2	single	300		3.6	Retain	Unknown	Design proposals unknown. No comments
TG	F00138	AGL200050_TG_F00138		Pedunculate oak (Quercus robur)	A	2	single	570		6.8	Retain	Unknown	Design proposals unknown. No comments
T	F00139	AGL200050_T_F00139		Pedunculate oak (Quercus robur)	A	2	single	1220		14.6	Retain	Unknown	Design proposals unknown. No comments
T	F00140	AGL200050_T_F00140		Common hawthorn (Crataegus monogyna)	C	1	multi (5+)	270		7.9	Retain	Unknown	Design proposals unknown. No comments
TG	F00141	AGL200050_TG_F00141		Goat willow (Salix caprea)	C	2	single	300		3.6	Retain	Unknown	Design proposals unknown. No comments
TG	F00142	AGL200050_TG_F00142		Common ash (Fraxinus excelsior)	B	2	single	250		3	Retain	Unknown	Design proposals unknown. No comments
T	F00143	AGL200050_T_F00143		Pedunculate oak (Quercus robur)	A	1	single	1100		13.2	Retain	Unknown	Design proposals unknown. No comments
TG	F00144	AGL200050_TG_F00144		European hornbeam (Carpinus betulus)	B	2	single	200		2.4	Retain	Unknown	Design proposals unknown. No comments
T	F00145	AGL200050_T_F00145		Pedunculate oak (Quercus robur)	A	2	single	770		9.2	Retain	Unknown	Design proposals unknown. No comments
TG	F00146	AGL200050_TG_F00146		Common hawthorn (Crataegus monogyna)	C	2	single	200		2.4	Retain	Unknown	Design proposals unknown. No comments
T	F00147	AGL200050_T_F00147		Common ash (Fraxinus excelsior)	A	3	single	1000		12	Retain	Unknown	Design proposals unknown. No comments
T	F00148	AGL200050_T_F00148		Common hawthorn (Crataegus monogyna)	C	1	single	270		3.2	Retain	Unknown	Design proposals unknown. No comments
TG	F00149	AGL200050_TG_F00149		Silver birch (Betula pendula)	A	2	single	340		4.1	Retain	Unknown	Design proposals unknown. No comments
T	F00150	AGL200050_T_F00150		Silver birch (Betula pendula)	C	1	single	300		3.6	Retain	Unknown	Design proposals unknown. No comments

TS2 Baseline Tree Survey

Land Parcel Reference			Ruislip Golf Course	Date undertaken:		02/2018		Consultant Name:	The Ecology Consultancy		Surveyor Names:	James Potts
Stage 1 survey information									Stage 2 survey information			
Unique Tree ID Number			Species	Main Cat.	Sub Cat.	Trunk/ Stem Cat.	Trunk/Stem Diameter		Root Protection Area	Status	HS2 Asset Information Register (AIR) Code	Management & Protections Recommendations
Tree Type (T/TG/ W/H)	Tree No	Tree ID	Common Name *(scientific name)*	*(A,B,C or U)*	*(1, 2 or 3)*	*single / multi stem*	*(mm)*		*(RPA) radius of nominal circle (m)*	*Retain / Remove*		*(retention, protection or management comments & notable constraints)*
T	F00151	AGL200050_T_F00151	Norway maple 'Crimson King' (Acer platanoides 'Crimson King')	C	1	single	80		1	Retain	Unknown	Design proposals unknown. No comments
T	F00152	AGL200050_T_F00152	Common ash (Fraxinus excelsior)	B	3	single	700		8.4	Retain	Unknown	Design proposals unknown. No comments
T	F00153	AGL200050_T_F00153	Red alder (Alnus rubra)	U	U	multi (2-5)	245		4.2	Retain	Unknown	Design proposals unknown. No comments
T	F00156	AGL200050_T_F00156	Norway maple 'Crimson King' (Acer platanoides 'Crimson King')	C	1	single	80		1	Retain	Unknown	Design proposals unknown. No comments
T	F00157	AGL200050_T_F00157	Red alder (Alnus rubra)	U	U	multi (2-5)	130		2.7	Retain	Unknown	Design proposals unknown. No comments
TG	F00158	AGL200050_TG_F00158	Lawson cypress (Chamaecyparis lawsoniana)	B	2	multi (2-5)	350		9.4	Retain	Unknown	Design proposals unknown. No comments
T	F00159	AGL200050_T_F00159	Silver birch (Betula pendula)	C	1	single	280		3.4	Retain	Unknown	Design proposals unknown. No comments
T	F00160	AGL200050_T_F00160	Pedunculate oak (Quercus robur)	A	3	single	1045		12.5	Retain	Unknown	Design proposals unknown. No comments
T	F00161	AGL200050_T_F00161	Common alder (Alnus glutinosa)	B	1	single	283		3.4	Retain	Unknown	Design proposals unknown. No comments
TG	F00162	AGL200050_TG_F00162	Pedunculate oak (Quercus robur)	B	2	single	890		10.7	Retain	Unknown	Design proposals unknown. No comments
TG	F00164	AGL200050_TG_F00164	Blackthorn (Prunus spinosa)	C	3	single	75		0.9	Retain	Unknown	Design proposals unknown. No comments
TG	F00165	AGL200050_TG_F00165	Pedunculate oak (Quercus robur)	C	2	single	250		3	Retain	Unknown	Design proposals unknown. No comments
TG	F00167	AGL200050_TG_F00167	Blackthorn (Prunus spinosa)	C	1	single	70		0.8	Retain	Unknown	Design proposals unknown. No comments
T	F00169	AGL200050_T_F00169	Pedunculate oak (Quercus robur)	C	1	single	470		5.6	Retain	Unknown	Design proposals unknown. No comments
TG	F00170	AGL200050_TG_F00170	Small leaved lime (Tilia cordata)	B	2	single	370		4.4	Retain	Unknown	Design proposals unknown. No comments
T	F00171	AGL200050_T_F00171	Common hawthorn (Crataegus monogyna)	C	1	multi (2-5)	150		3.6	Retain	Unknown	Design proposals unknown. No comments
TG	F00172	AGL200050_TG_F00172	Common ash (Fraxinus excelsior)	C	1	single	210		2.5	Retain	Unknown	Design proposals unknown. No comments

TS2 Baseline Tree Survey

Land Parcel Reference			Ruislip Golf Course	Date undertaken:		02/2018		Consultant Name:		The Ecology Consultancy		Surveyor Names:	James Potts
Stage 1 survey information										Stage 2 survey information			
Unique Tree ID Number			Species	Main Cat.	Sub Cat.	Trunk/ Stem Cat.	Trunk/Stem Diameter			Root Protection Area	Status	HS2 Asset Information Register (AIR) Code	Management & Protections Recommendations
Tree Type (T/TG/ W/H)	Tree No	Tree ID	Common Name *(scientific name)*	*(A,B,C or U)*	*(1, 2 or 3)*	*single / multi stem*	*(mm)*			*(RPA) radius of nominal circle (m)*	*Retain / Remove*		*(retention, protection or management comments & notable constraints)*
T	F00173	AGL200050_T_F00173	Common ash (Fraxinus excelsior)	C	1	single	620			7.4	Retain	Unknown	Design proposals unknown. No comments
TG	F00174	AGL200050_TG_F00174	Common ash (Fraxinus excelsior)	C	2	single	255			3.1	Retain	Unknown	Design proposals unknown. No comments
T	F00177	AGL200050_T_F00177	Weeping willow (Salix babylonica)	B	1	single	500			6	Retain	Unknown	Design proposals unknown. No comments
TG	F00179	AGL200050_TG_F00179	Pedunculate oak (Quercus robur)	A	3	single	380			4.6	Retain	Unknown	Design proposals unknown. No comments
T	F00182	AGL200050_T_F00182	Pedunculate oak (Quercus robur)	A	1	single	745			8.9	Retain	Unknown	Design proposals unknown. No comments
TG	F00183	AGL200050_TG_F00183	Common ash (Fraxinus excelsior)	C	2	single	310			3.7	Retain	Unknown	Design proposals unknown. No comments
TG	F00184	AGL200050_TG_F00184	Pedunculate oak (Quercus robur)	A	2	single	29.1			3.5	Retain	Unknown	Design proposals unknown. No comments
T	F00185	AGL200050_T_F00185	Common ash (Fraxinus excelsior)	C	1	single	630			7.6	Retain	Unknown	Design proposals unknown. No comments
TG	F00186	AGL200050_TG_F00186	Goat willow (Salix caprea)	B	2	single	250			3	Retain	Unknown	Design proposals unknown. No comments
TG	F00187	AGL200050_TG_F00187	Common ash (Fraxinus excelsior)	A	2	single	301			3.6	Retain	Unknown	Design proposals unknown. No comments
TG	F00189	AGL200050_TG_F00189	Goat willow (Salix caprea)	C	2	single	150			1.8	Retain	Unknown	Design proposals unknown. No comments
TG	F00190	AGL200050_TG_F00190	Common ash (Fraxinus excelsior)	B	2	single	380			4.6	Retain	Unknown	Design proposals unknown. No comments
T	F00192	AGL200050_T_F00192	Common ash (Fraxinus excelsior)	C	1	single	260			3.1	Retain	Unknown	Design proposals unknown. No comments
T	F00193	AGL200050_T_F00193	European hornbeam (Carpinus betulus)	A	1	single	900			10.8	Retain	Unknown	Design proposals unknown. No comments
TG	F00194	AGL200050_TG_F00194	Norway maple (Acer platanoides)	C	2	single	285			3.4	Retain	Unknown	Design proposals unknown. No comments
T	F00195	AGL200050_T_F00195	Pedunculate oak (Quercus robur)	A	2	single	605			7.3	Retain	Unknown	Design proposals unknown. No comments
T	F00196	AGL200050_T_F00196	Common alder (Alnus glutinosa)	C	1	single	290			3.5	Retain	Unknown	Design proposals unknown. No comments

TS2 Baseline Tree Survey

Land Parcel Reference			Ruislip Golf Course	Date undertaken:		02/2018		Consultant Name:		The Ecology Consultancy		Surveyor Names:	James Potts
Stage 1 survey information										Stage 2 survey information			
Unique Tree ID Number				Species	Main Cat.	Sub Cat.	Trunk/ Stem Cat.	Trunk/Stem Diameter		Root Protection Area	Status	HS2 Asset Information Register (AIR) Code	Management & Protections Recommendations
Tree Type *(T/TG/ W/H)*	**Tree No**	**Tree ID**		Common Name *(scientific name)*	*(A,B,C or U)*	*(1, 2 or 3)*	*single / multi stem*	*(mm)*		*(RPA) radius of nominal circle (m)*	*Retain / Remove*		*(retention, protection or management comments & notable constraints)*
TG	F00197	AGL200050_TG_F00197		Lawson cypress (Chamaecyparis lawsoniana)	B	2	single	350		4.2	Retain	Unknown	Design proposals unknown. No comments
T	F00198	AGL200050_T_F00198		Common alder (Alnus glutinosa)	C	1	single	290		3.5	Retain	Unknown	Design proposals unknown. No comments
T	F00199	AGL200050_T_F00199		Common hawthorn (Crataegus monogyna)	C	1	single	500		6	Retain	Unknown	Design proposals unknown. No comments
T	F00200	AGL200050_T_F00200		Crack willow (Salix fragilis)	A	1	multi (2-5)	450		12.1	Retain	Unknown	Design proposals unknown. No comments
TG	F00201	AGL200050_TG_F00201		Common hawthorn (Crataegus monogyna)	C	2	single	200		2.4	Retain	Unknown	Design proposals unknown. No comments
T	F00202	AGL200050_T_F00202		Common ash (Fraxinus excelsior)	C	1	single	70		0.8	Retain	Unknown	Design proposals unknown. No comments
TG	F00203	AGL200050_TG_F00203		Pedunculate oak (Quercus robur)	B	2	single	320		3.8	Retain	Unknown	Design proposals unknown. No comments
T	F00204	AGL200050_T_F00204		Common ash (Fraxinus excelsior)	C	1	single	70		0.8	Retain	Unknown	Design proposals unknown. No comments
TG	F00205	AGL200050_TG_F00205		Common ash (Fraxinus excelsior)	C	1	single	180		2.2	Retain	Unknown	Design proposals unknown. No comments
TG	F00206	AGL200050_TG_F00206		Common ash (Fraxinus excelsior)	B	2	single	320		3.8	Retain	Unknown	Design proposals unknown. No comments
T	F00207	AGL200050_T_F00207		Pedunculate oak (Quercus robur)	B	2	multi (2-5)	460		7.8	Retain	Unknown	Design proposals unknown. No comments
T	F00208	AGL200050_T_F00208		Field maple (Acer campestre)	A	3	single	1430		15	Retain	Unknown	Design proposals unknown. No comments
TG	F00209	AGL200050_TG_F00209		Common ash (Fraxinus excelsior)	C	2	single	345		4.1	Retain	Unknown	Design proposals unknown. No comments
TG	F00210	AGL200050_TG_F00210		Pedunculate oak (Quercus robur)	B	2	single	450		5.4	Retain	Unknown	Design proposals unknown. No comments
T	F00211	AGL200050_T_F00211		Crack willow (Salix fragilis)	B	2	single	225		2.7	Retain	Unknown	Design proposals unknown. No comments
T	F00212	AGL200050_T_F00212		Crack willow (Salix fragilis)	B	2	single	500		6	Retain	Unknown	Design proposals unknown. No comments
T	F00213	AGL200050_T_F00213		Pedunculate oak (Quercus robur)	B	2	single	450		5.4	Retain	Unknown	Design proposals unknown. No comments

TS2 Baseline Tree Survey

Land Parcel Reference			Ruislip Golf Course	Date undertaken:		02/2018		Consultant Name:		The Ecology Consultancy		Surveyor Names:	James Potts
Stage 1 survey information										Stage 2 survey information			
Unique Tree ID Number				Species	Main Cat.	Sub Cat.	Trunk/ Stem Cat.	Trunk/Stem Diameter		Root Protection Area	Status	HS2 Asset Information Register (AIR) Code	Management & Protections Recommendations
Tree Type (T/TG/ W/H)	Tree No	Tree ID		Common Name *(scientific name)*	*(A,B,C or U)*	*(1, 2 or 3)*	*single / multi stem*	*(mm)*		*(RPA) radius of nominal circle (m)*	*Retain / Remove*		*(retention, protection or management comments & notable constraints)*
T	F00214	AGL200050_T_F00214		Pedunculate oak (Quercus robur)	A	3	single	1350		15	Retain	Unknown	Design proposals unknown. No comments
T	F00215	AGL200050_T_F00215		Crack willow (Salix fragilis)	A	2	multi (2-5)	660		11.2	Retain	Unknown	Design proposals unknown. No comments
T	F00216	AGL200050_T_F00216		Pedunculate oak (Quercus robur)	A	1	single	1200		14.4	Retain	Unknown	Design proposals unknown. No comments
T	F00217	AGL200050_T_F00217		Crack willow (Salix fragilis)	B	2	single	660		7.9	Retain	Unknown	Design proposals unknown. No comments
T	F00218	AGL200050_T_F00218		Common ash (Fraxinus excelsior)	B	1	single	600		7.2	Retain	Unknown	Design proposals unknown. No comments
T	F00219	AGL200050_T_F00219		Swedish whitebeam (Sorbus x intermedia) (Sorbus x intermedia)	C	1	single	320		3.8	Retain	Unknown	Design proposals unknown. No comments
T	F00220	AGL200050_T_F00220		Field maple (Acer campestre)	B	3	multi (2-5)	520		8.8	Retain	Unknown	Design proposals unknown. No comments
T	F00221	AGL200050_T_F00221		Crack willow (Salix fragilis)	B	2	single	650		7.8	Retain	Unknown	Design proposals unknown. No comments
TG	F00222	AGL200050_TG_F00222		Black poplar (Populus nigra)	B	2	single	460		5.5	Retain	Unknown	Design proposals unknown. No comments
T	F00223	AGL200050_T_F00223		Common ash (Fraxinus excelsior)	C	1	single	380		4.6	Retain	Unknown	Design proposals unknown. No comments
T	F00224	AGL200050_T_F00224		Common ash (Fraxinus excelsior)	C	1	single	350		4.2	Retain	Unknown	Design proposals unknown. No comments
T	F00225	AGL200050_T_F00225		Pedunculate oak (Quercus robur)	A	1	single	1500		15	Retain	Unknown	Design proposals unknown. No comments
T	F00226	AGL200050_T_F00226		Crack willow (Salix fragilis)	B	2	single	555		6.7	Retain	Unknown	Design proposals unknown. No comments
T	F00227	AGL200050_T_F00227		Common ash (Fraxinus excelsior)	C	1	single	400		4.8	Retain	Unknown	Design proposals unknown. No comments
T	F00228	AGL200050_T_F00228		Common elder (Sambucus nigra)	C	1	multi (2-5)	90		2.2	Retain	Unknown	Design proposals unknown. No comments
T	F00230	AGL200050_T_F00230		Field maple (Acer campestre)	B	1	single	380		4.6	Retain	Unknown	Design proposals unknown. No comments
T	F00231	AGL200050_T_F00231		Common ash (Fraxinus excelsior)	C	1	single	445		5.3	Retain	Unknown	Design proposals unknown. No comments

TS2 Baseline Tree Survey

Land Parcel Reference			Ruislip Golf Course	Date undertaken:		02/2018		Consultant Name:		The Ecology Consultancy		Surveyor Names:	James Potts
Stage 1 survey information										Stage 2 survey information			
Unique Tree ID Number				Species	Main Cat.	Sub Cat.	Trunk/ Stem Cat.	Trunk/Stem Diameter		Root Protection Area	Status	HS2 Asset Information Register (AIR) Code	Management & Protections Recommendations
Tree Type (T/TG/ W/H)	Tree No	Tree ID		Common Name *(scientific name)*	*(A,B,C or U)*	*(1, 2 or 3)*	*single / multi stem*	*(mm)*		*(RPA) radius of nominal circle (m)*	*Retain / Remove*		*(retention, protection or management comments & notable constraints)*
T	F00232	AGL200050_T_F00232		Red ash (Fraxinus pennsylvanica)	B	1	single	440		5.3	Retain	Unknown	Design proposals unknown. No comments
T	F00233	AGL200050_T_F00233		Weeping willow (Salix babylonica)	B	1	single	550		6.6	Retain	Unknown	Design proposals unknown. No comments
T	F00234	AGL200050_T_F00234		Field maple (Acer campestre)	C	1	single	230		2.8	Retain	Unknown	Design proposals unknown. No comments
T	F00235	AGL200050_T_F00235		Pedunculate oak (Quercus robur)	A	1	single	605		7.3	Retain	Unknown	Design proposals unknown. No comments
T	F00236	AGL200050_T_F00236		Downy birch (Betula pubescens)	C	1	single	200		2.4	Retain	Unknown	Design proposals unknown. No comments
T	F00237	AGL200050_T_F00237		Pedunculate oak (Quercus robur)	A	2	single	1000		12	Retain	Unknown	Design proposals unknown. No comments
TG	F00238	AGL200050_TG_F00238		European hornbeam (Carpinus betulus)	B	2	multi (2-5)	223		3.8	Retain	Unknown	Design proposals unknown. No comments
T	F00239	AGL200050_T_F00239		Common ash (Fraxinus excelsior)	B	2	single	550		6.6	Retain	Unknown	Design proposals unknown. No comments
TG	F00240	AGL200050_TG_F00240		Common ash (Fraxinus excelsior)	B	2	single	500		6	Retain	Unknown	Design proposals unknown. No comments
T	F00241	AGL200050_T_F00241		Common ash (Fraxinus excelsior)	C	1	single	250		3	Retain	Unknown	Design proposals unknown. No comments
T	F00242	AGL200050_T_F00242		Small leaved lime (Tilia cordata)	B	1	single	480		5.8	Retain	Unknown	Design proposals unknown. No comments
T	F00243	AGL200050_T_F00243		Red ash (Fraxinus pennsylvanica)	B	1	single	360		4.3	Retain	Unknown	Design proposals unknown. No comments
T	F00244	AGL200050_T_F00244		Red oak (Quercus rubra)	B	1	single	680		8.2	Retain	Unknown	Design proposals unknown. No comments
T	F00245	AGL200050_T_F00245		Pedunculate oak (Quercus robur)	B	1	single	460		5.5	Retain	Unknown	Design proposals unknown. No comments
T	F00246	AGL200050_T_F00246		Swedish whitebeam (Sorbus x intermedia) (Sorbus x intermedia)	C	1	single	440		5.3	Retain	Unknown	Design proposals unknown. No comments
T	F00247	AGL200050_T_F00247		Swedish whitebeam (Sorbus x intermedia) (Sorbus x intermedia)	B	1	single	450		5.4	Retain	Unknown	Design proposals unknown. No comments
T	F00248	AGL200050_T_F00248		Common lime (Tilia x europaea)	B	1	single	470		5.6	Retain	Unknown	Design proposals unknown. No comments

TS2 Baseline Tree Survey

Land Parcel Reference			Ruislip Golf Course	Date undertaken:		02/2018		Consultant Name:		The Ecology Consultancy		Surveyor Names:	James Potts
Stage 1 survey information										Stage 2 survey information			
Unique Tree ID Number				Species	Main Cat.	Sub Cat.	Trunk/ Stem Cat.	Trunk/Stem Diameter		Root Protection Area	Status	HS2 Asset Information Register (AIR) Code	Management & Protections Recommendations
Tree Type *(T/TG/ W/H)*	**Tree No**	**Tree ID**		Common Name *(scientific name)*	*(A,B,C or U)*	*(1, 2 or 3)*	*single / multi stem*	*(mm)*		*(RPA) radius of nominal circle (m)*	*Retain / Remove*		*(retention, protection or management comments & notable constraints)*
TG	F00249	AGL200050_TG_F00249		Blackthorn (Prunus spinosa)	B	2	single	200		2.4	Retain	Unknown	Design proposals unknown. No comments
T	F00250	AGL200050_T_F00250		Pedunculate oak (Quercus robur)	B	1	single	460		5.5	Retain	Unknown	Design proposals unknown. No comments
T	F00251	AGL200050_T_F00251		Red oak (Quercus rubra)	B	1	single	560		6.7	Retain	Unknown	Design proposals unknown. No comments
TG	F00253	AGL200050_TG_F00253		Common ash (Fraxinus excelsior)	B	2	single	183		2.2	Retain	Unknown	Design proposals unknown. No comments
T	F00254	AGL200050_T_F00254		Small leaved lime (Tilia cordata)	A	1	single	530		6.4	Retain	Unknown	Design proposals unknown. No comments
T	F00255	AGL200050_T_F00255		Red oak (Quercus rubra)	B	1	single	680		8.2	Retain	Unknown	Design proposals unknown. No comments
T	F00256	AGL200050_T_F00256		Common ash (Fraxinus excelsior)	B	2	single	500		6	Retain	Unknown	Design proposals unknown. No comments
T	F00258	AGL200050_T_F00258		Swedish whitebeam (Sorbus x intermedia) (Sorbus x intermedia)	C	1	single	440		5.3	Retain	Unknown	Design proposals unknown. No comments
T	F00259	AGL200050_T_F00259		Red alder (Alnus rubra)	C	1	multi (2-5)	120		2.5	Retain	Unknown	Design proposals unknown. No comments
T	F00260	AGL200050_T_F00260		Small leaved lime (Tilia cordata)	A	1	single	590		7.1	Retain	Unknown	Design proposals unknown. No comments
T	F00261	AGL200050_T_F00261		Swedish whitebeam (Sorbus x intermedia) (Sorbus x intermedia)	C	1	single	410		4.9	Retain	Unknown	Design proposals unknown. No comments
T	F00262	AGL200050_T_F00262		Common lime (Tilia x europaea)	B	1	single	470		5.6	Retain	Unknown	Design proposals unknown. No comments
TG	F00263	AGL200050_TG_F00263		Pedunculate oak (Quercus robur)	B	2	single	600		7.2	Retain	Unknown	Design proposals unknown. No comments
T	F00264	AGL200050_T_F00264		Common hawthorn (Crataegus monogyna)	C	1	single	100		1.2	Retain	Unknown	Design proposals unknown. No comments
T	F00265	AGL200050_T_F00265		Red oak (Quercus rubra)	A	2	single	725		8.7	Retain	Unknown	Design proposals unknown. No comments
T	F00267	AGL200050_T_F00267		Common ash (Fraxinus excelsior)	B	1	single	560		6.7	Retain	Unknown	Design proposals unknown. No comments
T	F00270	AGL200050_T_F00270		Crack willow (Salix fragilis)	B	3	single	1000		12	Retain	Unknown	Design proposals unknown. No comments

TS2 Baseline Tree Survey

Land Parcel Reference			Ruislip Golf Course	Date undertaken:		02/2018		Consultant Name:		The Ecology Consultancy		Surveyor Names:	James Potts
Stage 1 survey information										Stage 2 survey information			
Unique Tree ID Number				Species	Main Cat.	Sub Cat.	Trunk/ Stem Cat.	Trunk/Stem Diameter		Root Protection Area	Status	HS2 Asset Information Register (AIR) Code	Management & Protections Recommendations
Tree Type *(T/TG/ W/H)*	**Tree No**	**Tree ID**		Common Name *(scientific name)*	*(A,B,C or U)*	*(1, 2 or 3)*	*single / multi stem*	*(mm)*		*(RPA) radius of nominal circle (m)*	*Retain / Remove*		*(retention, protection or management comments & notable constraints)*
T	F00271	AGL200050_T_F00271		Field maple (Acer campestre)	B	3	single	290		3.5	Retain	Unknown	Design proposals unknown. No comments
TG	F00272	AGL200050_TG_F00272		Pedunculate oak (Quercus robur)	A	3	single	1210		14.5	Retain	Unknown	Design proposals unknown. No comments
TG	F00273	AGL200050_TG_F00273		Common ash (Fraxinus excelsior)	A	2	single	240		2.9	Retain	Unknown	Design proposals unknown. No comments
T	F00274	AGL200050_T_F00274		Crack willow (Salix fragilis)	A	3	single	1280		15	Retain	Unknown	Design proposals unknown. No comments
T	F00275	AGL200050_T_F00275		Common hawthorn (Crataegus monogyna)	C	2	single	70		0.8	Retain	Unknown	Design proposals unknown. No comments
TG	F00276	AGL200050_TG_F00276		Blackthorn (Prunus spinosa)	C	2	single	70		0.8	Retain	Unknown	Design proposals unknown. No comments
TG	F00277	AGL200050_TG_F00277		Common ash (Fraxinus excelsior)	A	2	single	240		2.9	Retain	Unknown	Design proposals unknown. No comments
T	F00278	AGL200050_T_F00278		Pedunculate oak (Quercus robur)	A	3	single	1250		15	Retain	Unknown	Design proposals unknown. No comments
TG	F00279	AGL200050_TG_F00279		Common hawthorn (Crataegus monogyna)	C	2	single	70		0.8	Retain	Unknown	Design proposals unknown. No comments
TG	F00280	AGL200050_TG_F00280		Common ash (Fraxinus excelsior)	C	2	single	305		3.7	Retain	Unknown	Design proposals unknown. No comments
TG	F00281	AGL200050_TG_F00281		Pedunculate oak (Quercus robur)	A	3	single	730		8.8	Retain	Unknown	Design proposals unknown. No comments
T	F00282	AGL200050_T_F00282		Pedunculate oak (Quercus robur)	A	3	single	1160		13.9	Retain	Unknown	Design proposals unknown. No comments
TG	F00283	AGL200050_TG_F00283		English elm (Ulmus procera)	C	2	single	17.1		0.2	Retain	Unknown	Design proposals unknown. No comments
T	F00284	AGL200050_T_F00284		Pedunculate oak (Quercus robur)	B	1	multi (2-5)	400		6.8	Retain	Unknown	Design proposals unknown. No comments
TG	F00285	AGL200050_TG_F00285		Crack willow (Salix fragilis)	B	1	single	560		6.7	Retain	Unknown	Design proposals unknown. No comments
T	F00286	AGL200050_T_F00286		Pedunculate oak (Quercus robur)	B	1	single	370		4.4	Retain	Unknown	Design proposals unknown. No comments
T	F00287	AGL200050_T_F00287		Common ash (Fraxinus excelsior)	C	1	single	380		4.6	Retain	Unknown	Design proposals unknown. No comments

TS2 Baseline Tree Survey

Land Parcel Reference			Ruislip Golf Course	Date undertaken:		02/2018		Consultant Name:		The Ecology Consultancy		Surveyor Names:	James Potts
Stage 1 survey information										Stage 2 survey information			
Unique Tree ID Number				Species	Main Cat.	Sub Cat.	Trunk/ Stem Cat.	Trunk/Stem Diameter		Root Protection Area	Status	HS2 Asset Information Register (AIR) Code	Management & Protections Recommendations
Tree Type *(T/TG/ W/H)*	**Tree No**	**Tree ID**		Common Name *(scientific name)*	*(A,B,C or U)*	*(1, 2 or 3)*	*single / multi stem*	*(mm)*		*(RPA) radius of nominal circle (m)*	*Retain / Remove*		*(retention, protection or management comments & notable constraints)*
T	F00288	AGL200050_T_F00288		Pedunculate oak (Quercus robur)	A	1	single	460		5.5	Retain	Unknown	Design proposals unknown. No comments
T	F00289	AGL200050_T_F00289		Common ash (Fraxinus excelsior)	C	1	single	90		1.1	Retain	Unknown	Design proposals unknown. No comments
T	F00290	AGL200050_T_F00290		Pedunculate oak (Quercus robur)	C	1	single	105		1.3	Retain	Unknown	Design proposals unknown. No comments
T	F00291	AGL200050_T_F00291		Pedunculate oak (Quercus robur)	C	1	single	75		0.9	Retain	Unknown	Design proposals unknown. No comments
TG	F00292	AGL200050_TG_F00292		Crack willow (Salix fragilis)	B	2	single	180		2.2	Retain	Unknown	Design proposals unknown. No comments
T	F00293	AGL200050_T_F00293		Pedunculate oak (Quercus robur)	C	1	single	105		1.3	Retain	Unknown	Design proposals unknown. No comments
T	F00294	AGL200050_T_F00294		Goat willow (Salix caprea)	C	1	multi (5+)	100		2.9	Retain	Unknown	Design proposals unknown. No comments
T	F00295	AGL200050_T_F00295		Goat willow (Salix caprea)	C	1	multi (5+)	70		2.9	Retain	Unknown	Design proposals unknown. No comments
T	F00296	AGL200050_T_F00296		Pedunculate oak (Quercus robur)	A	1	single	1100		13.2	Retain	Unknown	Design proposals unknown. No comments
TG	F00297	AGL200050_TG_F00297		Crack willow (Salix fragilis)	C	2	single	250		3	Retain	Unknown	Design proposals unknown. No comments
T	F00298	AGL200050_T_F00298		Pedunculate oak (Quercus robur)	A	2	single	1380		15	Retain	Unknown	Design proposals unknown. No comments
T	F00299	AGL200050_T_F00299		Pedunculate oak (Quercus robur)	C	1	single	120		1.4	Retain	Unknown	Design proposals unknown. No comments
TG	F00300	AGL200050_TG_F00300		Crack willow (Salix fragilis)	C	2	single	70		0.8	Retain	Unknown	Design proposals unknown. No comments
TG	F00301	AGL200050_TG_F00301		Common ash (Fraxinus excelsior)	B	2	single	200		2.4	Retain	Unknown	Design proposals unknown. No comments
TG	F00302	AGL200050_TG_F00302		Crack willow (Salix fragilis)	C	2	single	100		1.2	Retain	Unknown	Design proposals unknown. No comments
TG	F00303	AGL200050_TG_F00303		Pedunculate oak (Quercus robur)	C	2	single	200		2.4	Retain	Unknown	Design proposals unknown. No comments
TG	F00304	AGL200050_TG_F00304		Pedunculate oak (Quercus robur)	B	2	single	370		4.4	Retain	Unknown	Design proposals unknown. No comments

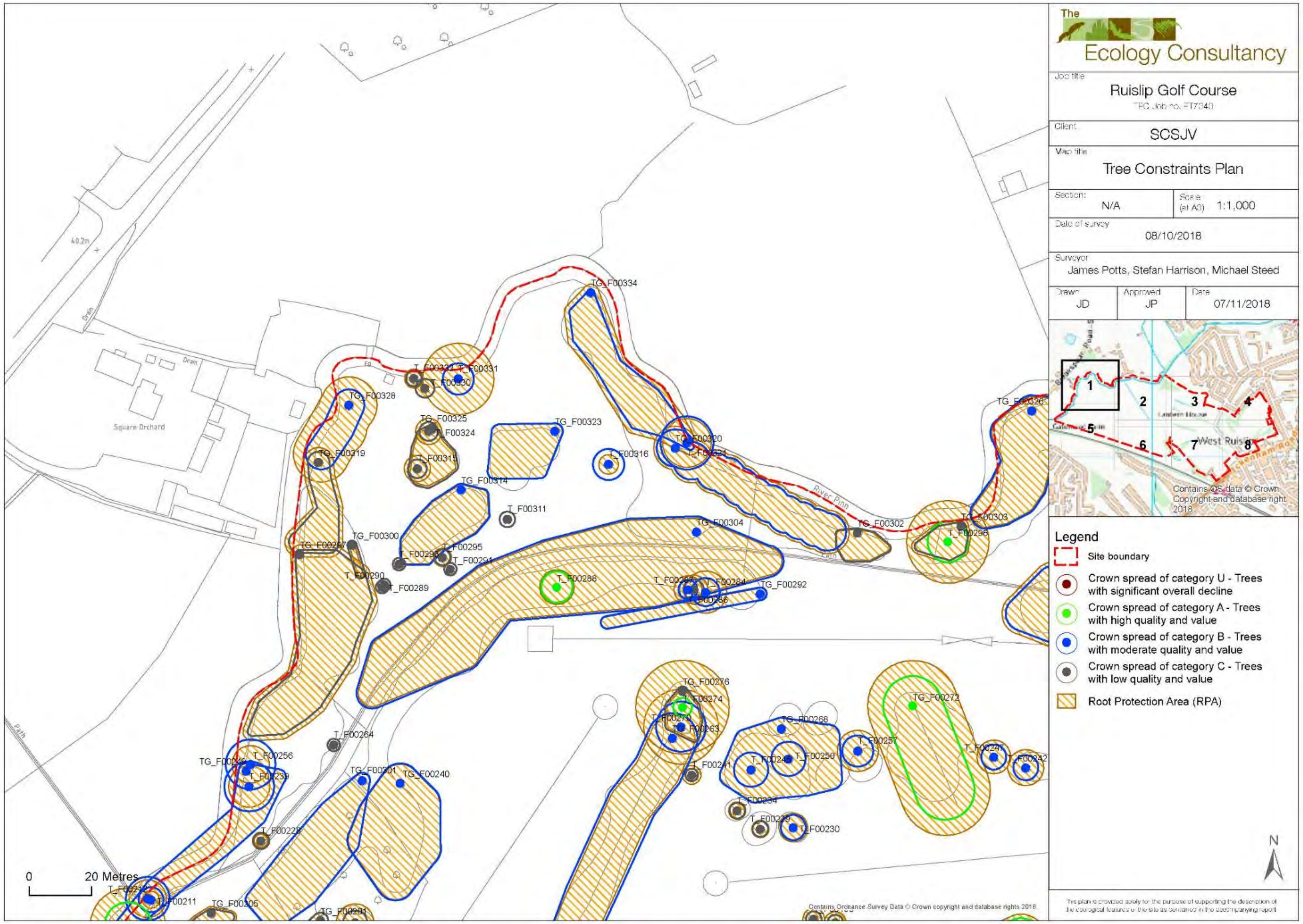
TS2 Baseline Tree Survey

Land Parcel Reference			Ruislip Golf Course	**Date undertaken:**		02/2018		**Consultant Name:**	The Ecology Consultancy		**Surveyor Names:**	James Potts
Stage 1 survey information									**Stage 2 survey information**			
Unique Tree ID Number			**Species**	**Main Cat.**	**Sub Cat.**	**Trunk/ Stem Cat.**	**Trunk/Stem Diameter**		**Root Protection Area**	**Status**	**HS2 Asset Information Register (AIR) Code**	**Management & Protections Recommendations**
Tree Type *(T/TG/ W/H)*	**Tree No**	**Tree ID**	Common Name *(scientific name)*	*(A,B,C or U)*	*(1, 2 or 3)*	*single / multi stem*	*(mm)*		*(RPA) radius of nominal circle (m)*	*Retain / Remove*		*(retention, protection or management comments & notable constraints)*
T	F00305	AGL200050_T_F00305	Pedunculate oak (Quercus robur)	C	1	single	180		2.2	Retain	Unknown	Design proposals unknown. No comments
T	F00306	AGL200050_T_F00306	Goat willow (Salix caprea)	C	1	multi (5+)	70		2.9	Retain	Unknown	Design proposals unknown. No comments
T	F00307	AGL200050_T_F00307	Pedunculate oak (Quercus robur)	C	1	single	80		1	Retain	Unknown	Design proposals unknown. No comments
T	F00308	AGL200050_T_F00308	Common hawthorn (Crataegus monogyna)	C	1	single	200		2.4	Retain	Unknown	Design proposals unknown. No comments
T	F00309	AGL200050_T_F00309	Goat willow (Salix caprea)	C	1	multi (2-5)	110		3	Retain	Unknown	Design proposals unknown. No comments
T	F00310	AGL200050_T_F00310	Goat willow (Salix caprea)	C	1	multi (5+)	70		2.9	Retain	Unknown	Design proposals unknown. No comments
T	F00311	AGL200050_T_F00311	Pedunculate oak (Quercus robur)	C	1	single	105		1.3	Retain	Unknown	Design proposals unknown. No comments
TG	F00313	AGL200050_TG_F00313	Pedunculate oak (Quercus robur)	A	2	single	330		4	Retain	Unknown	Design proposals unknown. No comments
TG	F00314	AGL200050_TG_F00314	Common hawthorn (Crataegus monogyna)	B	3	single	140		1.7	Retain	Unknown	Design proposals unknown. No comments
T	F00315	AGL200050_T_F00315	Common alder (Alnus glutinosa)	C	1	single	350		4.2	Retain	Unknown	Design proposals unknown. No comments
T	F00316	AGL200050_T_F00316	Common ash (Fraxinus excelsior)	B	1	single	260		3.1	Retain	Unknown	Design proposals unknown. No comments
T	F00317	AGL200050_T_F00317	Pedunculate oak (Quercus robur)	C	1	single	100		1.2	Retain	Unknown	Design proposals unknown. No comments
TG	F00318	AGL200050_TG_F00318	Common ash (Fraxinus excelsior)	C	2	single	500		6	Retain	Unknown	Design proposals unknown. No comments
TG	F00319	AGL200050_TG_F00319	Common ash (Fraxinus excelsior)	C	2	single	400		4.8	Retain	Unknown	Design proposals unknown. No comments
TG	F00320	AGL200050_TG_F00320	Crack willow (Salix fragilis)	B	2	multi (5+)	220		7	Retain	Unknown	Design proposals unknown. No comments
T	F00321	AGL200050_T_F00321	Common ash (Fraxinus excelsior)	B	1	single	650		7.8	Retain	Unknown	Design proposals unknown. No comments
TG	F00322	AGL200050_TG_F00322	Pedunculate oak (Quercus robur)	C	2	single	520		6.2	Retain	Unknown	Design proposals unknown. No comments

TS2 Baseline Tree Survey

Land Parcel Reference			Ruislip Golf Course	Date undertaken:		02/2018		Consultant Name:	The Ecology Consultancy		Surveyor Names:	James Potts
Stage 1 survey information									Stage 2 survey information			
Unique Tree ID Number			Species	Main Cat.	Sub Cat.	Trunk/ Stem Cat.	Trunk/Stem Diameter		Root Protection Area	Status	HS2 Asset Information Register (AIR) Code	Management & Protections Recommendations
Tree Type (T/TG/ W/H)	Tree No	Tree ID	Common Name *(scientific name)*	*(A,B,C or U)*	*(1, 2 or 3)*	*single / multi stem*	*(mm)*		*(RPA) radius of nominal circle (m)*	*Retain / Remove*		*(retention, protection or management comments & notable constraints)*
TG	F00323	AGL200050_TG_F00323	Pedunculate oak (Quercus robur)	B	2	single	200		2.4	Retain	Unknown	Design proposals unknown. No comments
T	F00324	AGL200050_T_F00324	Pedunculate oak (Quercus robur)	C	1	single	350		4.2	Retain	Unknown	Design proposals unknown. No comments
TG	F00325	AGL200050_TG_F00325	Common hawthorn (Crataegus monogyna)	C	2	single	70		0.8	Retain	Unknown	Design proposals unknown. No comments
TG	F00326	AGL200050_TG_F00326	Crack willow (Salix fragilis)	B	2	single	375		4.5	Retain	Unknown	Design proposals unknown. No comments
TG	F00327	AGL200050_TG_F00327	Pedunculate oak (Quercus robur)	C	2	single	325		3.9	Retain	Unknown	Design proposals unknown. No comments
TG	F00328	AGL200050_TG_F00328	Crack willow (Salix fragilis)	B	2	single	750		9	Retain	Unknown	Design proposals unknown. No comments
TG	F00329	AGL200050_TG_F00329	Pedunculate oak (Quercus robur)	A	3	single	291		3.5	Retain	Unknown	Design proposals unknown. No comments
T	F00330	AGL200050_T_F00330	Field maple (Acer campestre)	C	1	multi (2-5)	150		3.1	Retain	Unknown	Design proposals unknown. No comments
T	F00331	AGL200050_T_F00331	Common alder (Alnus glutinosa)	B	3	multi (2-5)	550		11.4	Retain	Unknown	Design proposals unknown. No comments
T	F00332	AGL200050_T_F00332	Common ash (Fraxinus excelsior)	C	1	single	250		3	Retain	Unknown	Design proposals unknown. No comments
TG	F00333	AGL200050_TG_F00333	Blackthorn (Prunus spinosa)	B	3	single	120		1.4	Retain	Unknown	Design proposals unknown. No comments
TG	F00334	AGL200050_TG_F00334	Common hawthorn (Crataegus monogyna)	B	2	single	220		2.6	Retain	Unknown	Design proposals unknown. No comments

Tree Constraints Plan


The Ecology Consultancy
Job title
Ruislip Golf Course
Client
SCSJV
Map title
Tree Constraints Plan
Section:
N/A
Scale (at A3)
1:1,000
Date of survey
08/10/2018
Surveyor
James Potts, Stefan Harrison, Michael Steed
Drawn
JD
Approved
JP
Date
07/11/2018
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Legend
Site boundary
Crown spread of category U - Trees with significant overall decline
Crown spread of category A - Trees with high quality and value
Crown spread of category B - Trees with moderate quality and value
Crown spread of category C - Trees with low quality and value
Root Protection Area (RPA)
N
0
20 Metres
Square Orchard
River Pinn
TG_F00334
T_F00331
TG_F00328
TG_F00325
T_F00324
TG_F00323
T_F00316
TG_F00314
T_F00311
TG_F00304
TG_F00302
TG_F00300
T_F00289
T_F00288
TG_F00292
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TG_F00276
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TG_F00272
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T_F00211
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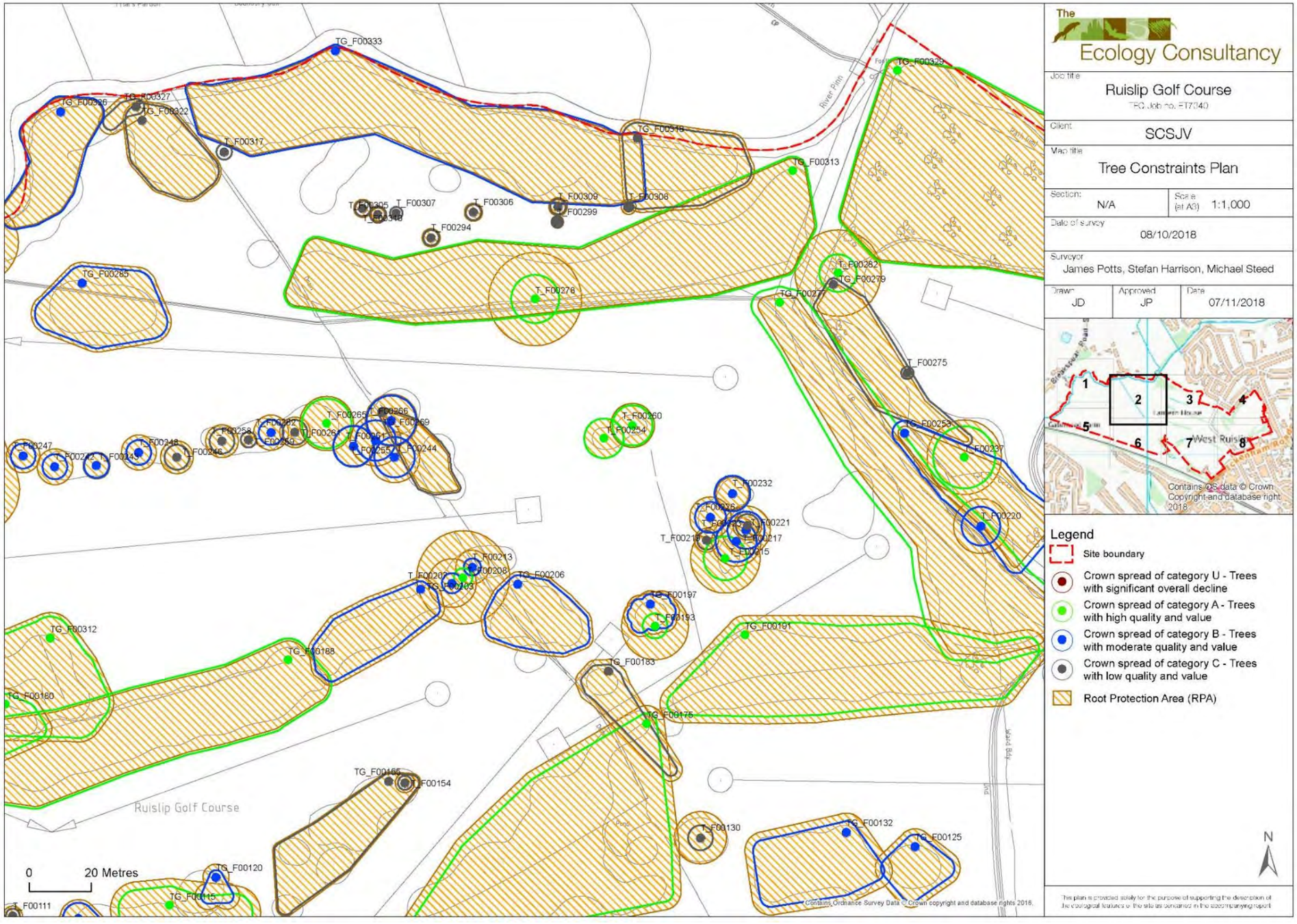
The Ecology Consultancy
Job title
Ruislip Golf Course
TEC Job no. ET7040
Client
SCSJV
Map title
Tree Constraints Plan
Section:
N/A
Scale (at A3)
1:1,000
Date of survey
08/10/2018
Surveyor
James Potts, Stefan Harrison, Michael Steed
Drawn
JD
Approved
JP
Date
07/11/2018
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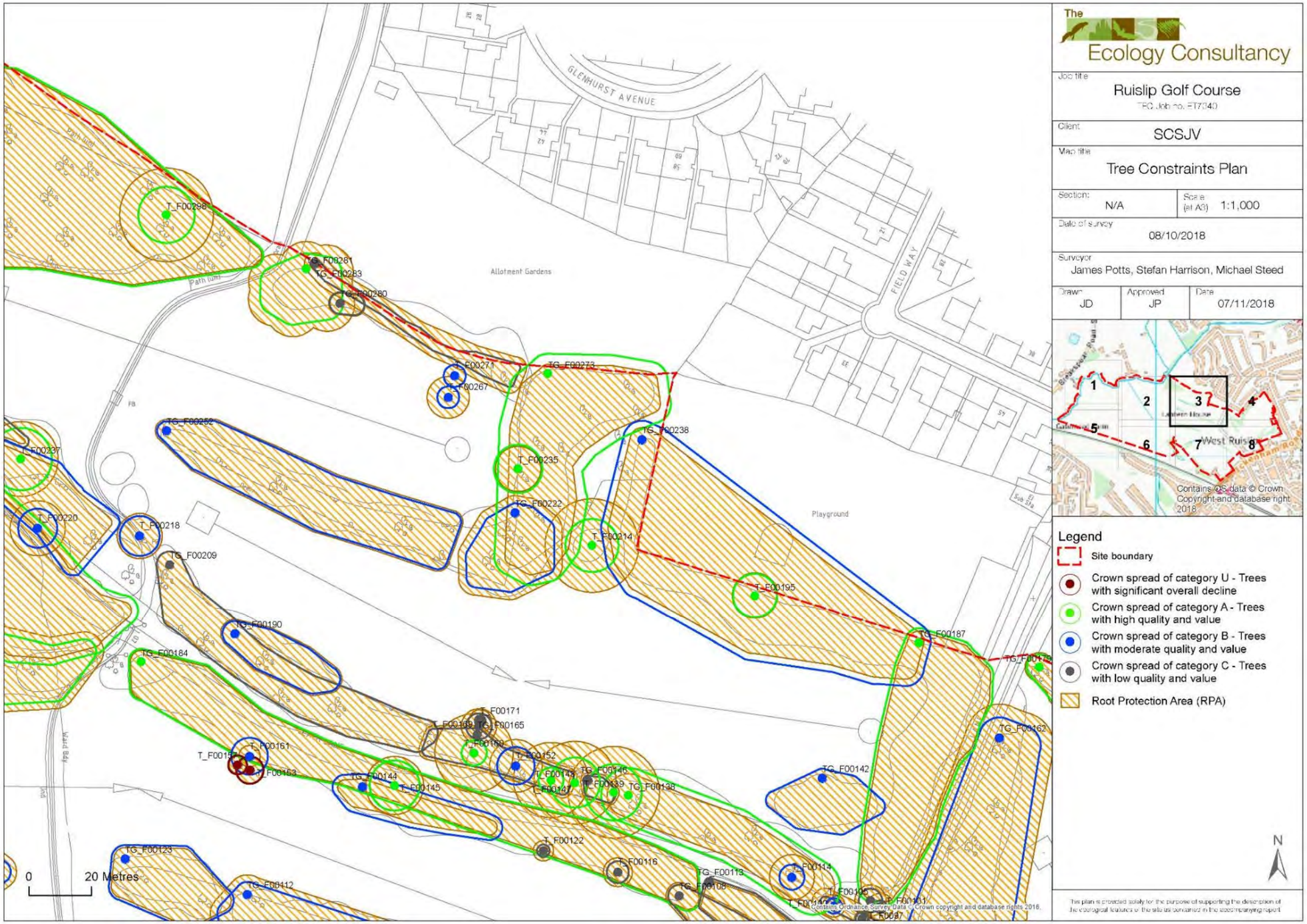
Legend
Site boundary
Crown spread of category U - Trees with significant overall decline
Crown spread of category A - Trees with high quality and value
Crown spread of category B - Trees with moderate quality and value
Crown spread of category C - Trees with low quality and value
Root Protection Area (RPA)
N
This plan is provided solely for the purpose of supporting the description of the ecological features of the site as contained in the accompanying report
Contains Ordnance Survey Data © Crown copyright and database rights 2018.
Ruislip Golf Course
0
20 Metres


GLENHURST AVENUE
FIELD WAY
Allotment Gardens
Playground
Path (um)
FB
Ward Park
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TG_F00283
TG_F00280
T_F00271
T_F00267
TG_F00273
TG_F00238
TG_F00252
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T_F00235
TG_F00232
T_F00220
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TG_F00209
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TG_F00162
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TG_F00123
TG_F00113
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The
Ecology Consultancy
Job title
Ruislip Golf Course
TEC Job no. ET7040
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JP
Date
07/11/2018
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West Ruislip
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Legend
Site boundary
Crown spread of category U - Trees with significant overall decline
Crown spread of category A - Trees with high quality and value
Crown spread of category B - Trees with moderate quality and value
Crown spread of category C - Trees with low quality and value
Root Protection Area (RPA)
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The Ecology Consultancy
Job title
Ruislip Golf Course
TEC Job no.: ET7040
Client:
SCSJV
Map title
Tree Constraints Plan
Section:
N/A
Scale (at A3)
1:1,000
Date of survey
08/10/2018
Surveyor
James Potts, Stefan Harrison, Michael Steed
Drawn
JD
Approved
JP
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Legend
Site boundary
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Crown spread of category C - Trees with low quality and value
Root Protection Area (RPA)
N
This plan is provided solely for the purpose of supporting the description of the ecological features of the site as contained in the accompanying report
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0
20 Metres
Ruislip Golf
HILL RISE
Wallis House
T_F00236
T_F00233
T_F00231
T_F00227
T_F00228
T_F00224
T_F00215
TG_F00210
T_F00204
T_F00202
TG_F00186
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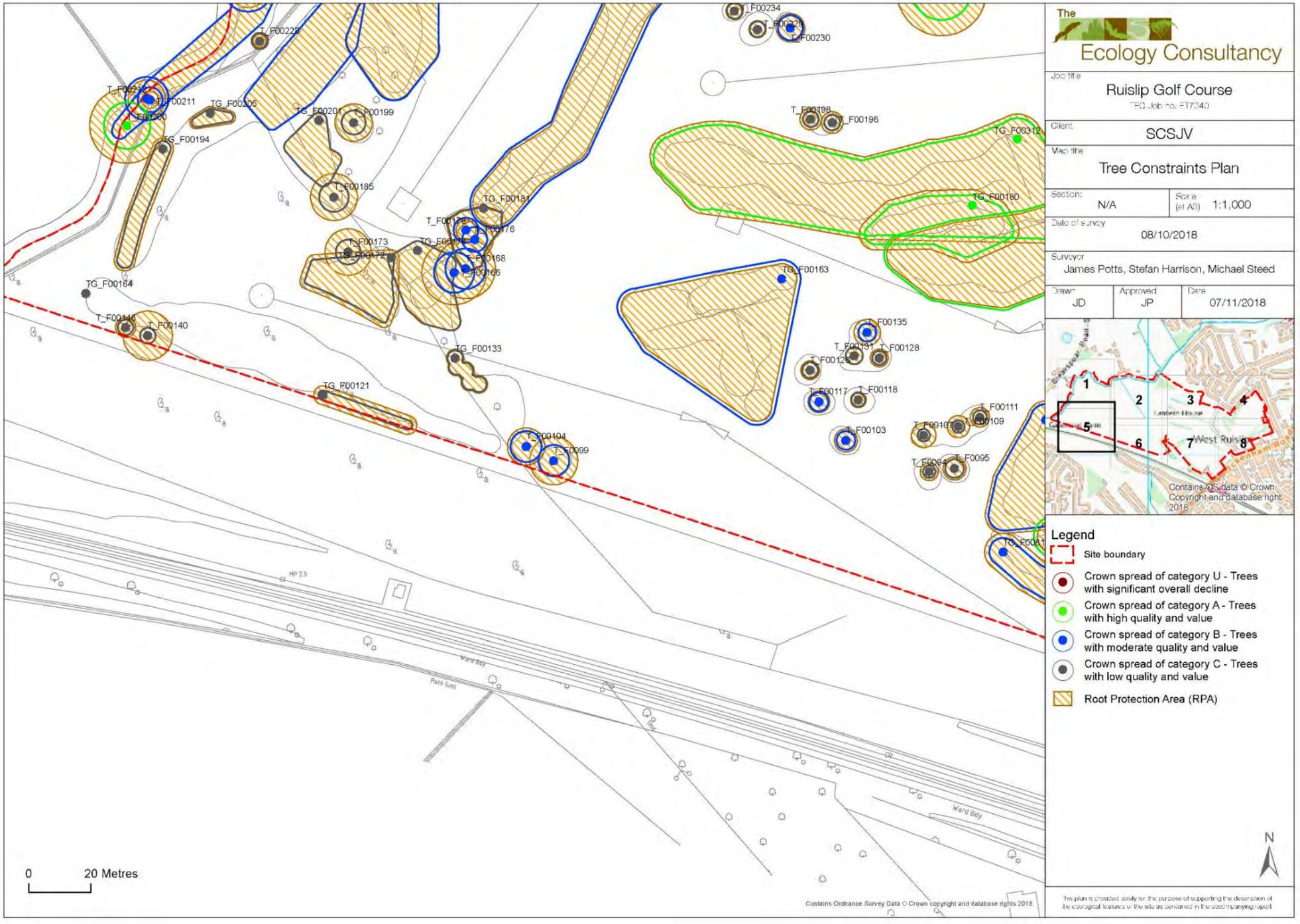
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T_F00103
T_F00104
T_F0099
T_F0095
T_F0094
TG_F0081
HP 2.5
Ward Bdy
Path (un)
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20 Metres
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The
Ecology Consultancy
Job title
Ruislip Golf Course
TEC Job no. ET7040
Client
SCSJV
Map title
Tree Constraints Plan
Section:
N/A
Scale (at A3)
1:1,000
Date of survey
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Date
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West Ruislip
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Legend
Site boundary
Crown spread of category U - Trees with significant overall decline
Crown spread of category A - Trees with high quality and value
Crown spread of category B - Trees with moderate quality and value
Crown spread of category C - Trees with low quality and value
Root Protection Area (RPA)
N
This plan is provided solely for the purpose of supporting the description of the ecological features of the site as contained in the accompanying report


Ruislip Golf Course
T_F00130
TG_F00132
TG_F00125
TG_F00120
TG_F00115
T_F00111
TG_F00110
T_F00100
T_F0096
T_F0098
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TG_F0074
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T_F0043
T_F0034
TG_F0013
T_F0009
HP 2.25
Ward Ditch
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20 Metres
Contains Ordnance Survey Data © Crown copyright and database rights 2018
The
Ecology Consultancy
Job title
Ruislip Golf Course
TEC Job no. ET7040
Client
SCSJV
Map title
Tree Constraints Plan
Section:
N/A
Scale (at A3)
1:1,000
Date of survey
08/10/2018
Surveyor
James Potts, Stefan Harrison, Michael Steed
Drawn
JD
Approved
JP
Date
07/11/2018
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West Ruislip
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Legend
Site boundary
Crown spread of category U - Trees with significant overall decline
Crown spread of category A - Trees with high quality and value
Crown spread of category B - Trees with moderate quality and value
Crown spread of category C - Trees with low quality and value
Root Protection Area (RPA)
N
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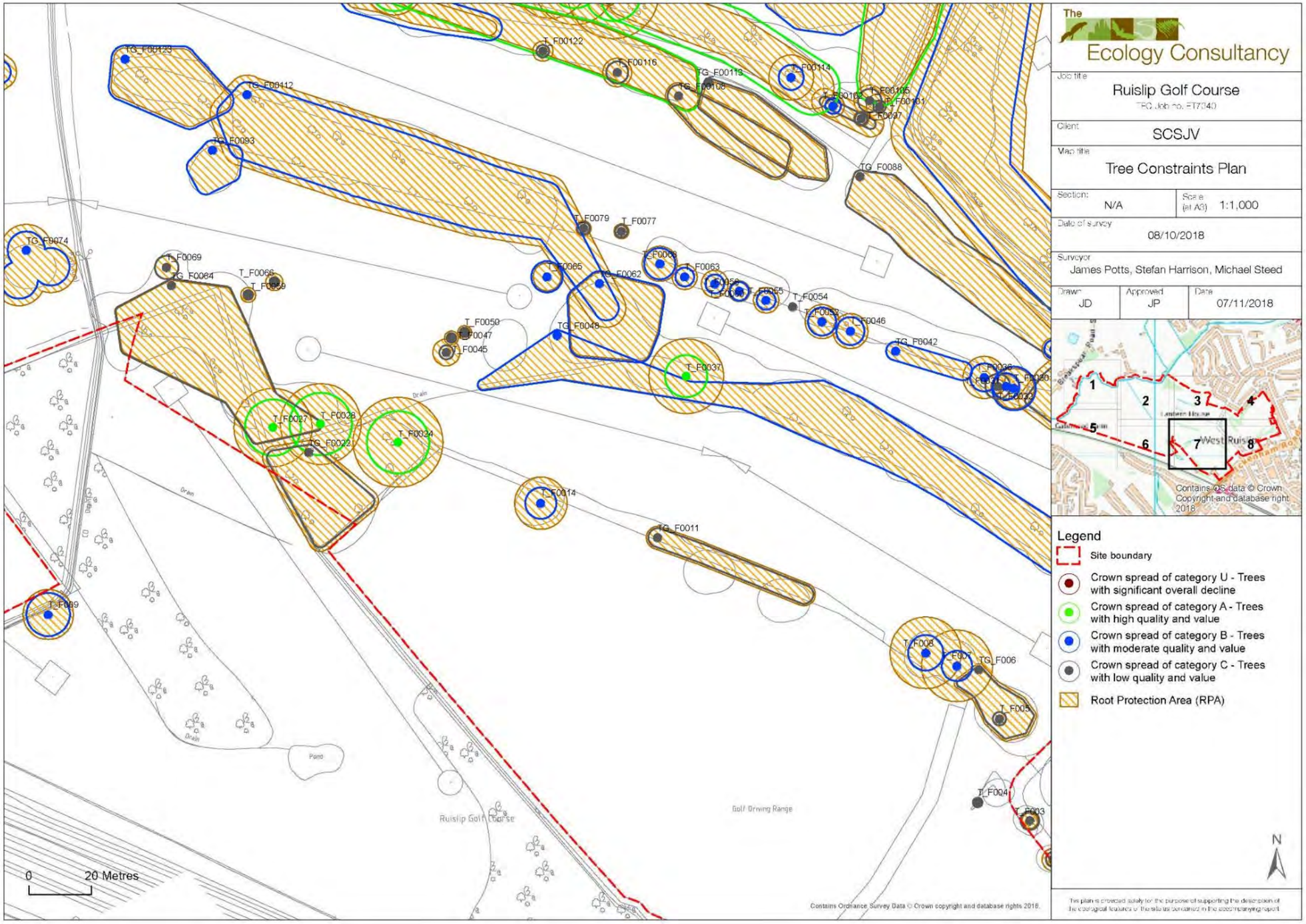
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Ruislip Golf Course
Golf Driving Range
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20 Metres
Contains Ordnance Survey Data © Crown copyright and database rights 2018.
The
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Job title
Ruislip Golf Course
TEC Job no: ET7040
Client
SCSJV
Map title
Tree Constraints Plan
Section:
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Scale (at A3)
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Date of survey
08/10/2018
Surveyor
James Potts, Stefan Harrison, Michael Steed
Drawn
JD
Approved
JP
Date
07/11/2018
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8
West Ruislip
Contains OS data © Crown Copyright and database right 2018
Legend
Site boundary
Crown spread of category U - Trees with significant overall decline
Crown spread of category A - Trees with high quality and value
Crown spread of category B - Trees with moderate quality and value
Crown spread of category C - Trees with low quality and value
Root Protection Area (RPA)
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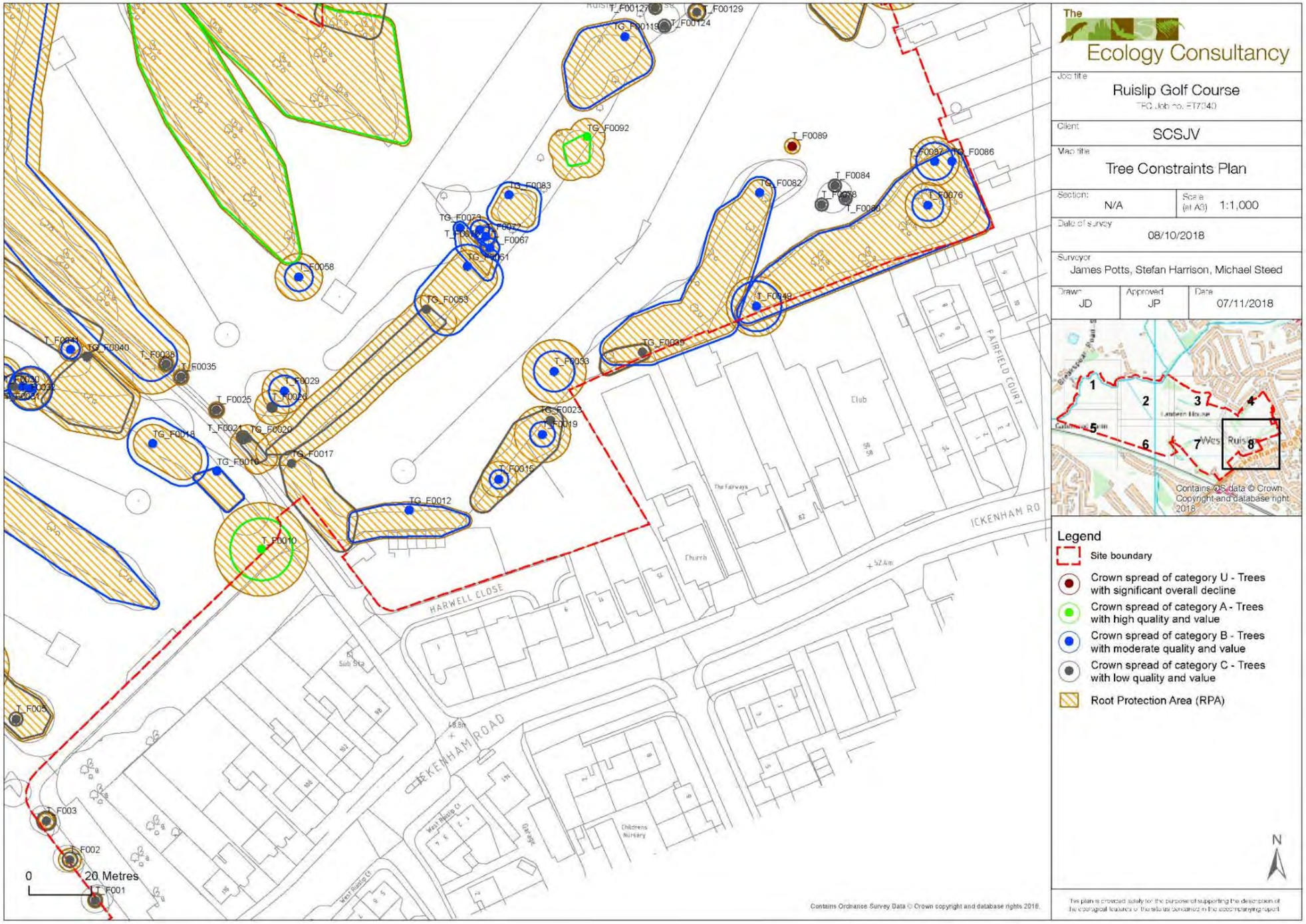
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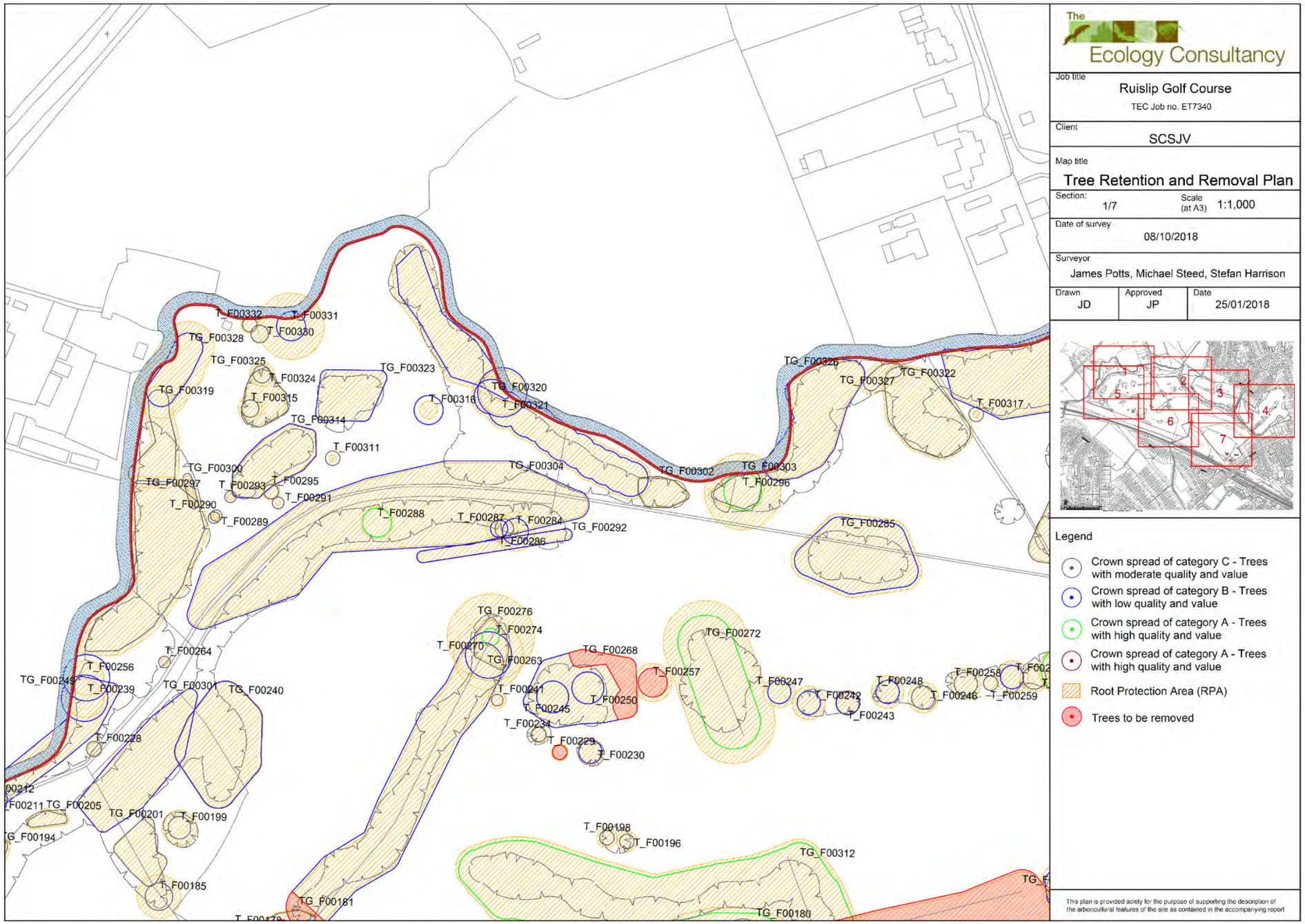
Date of survey
08/10/2018
Surveyor
James Potts, Stefan Harrison, Michael Steed
Drawn
JD
Approved
JP
Date
07/11/2018
Contains OS data © Crown Copyright and database right 2018
Legend
Site boundary
Crown spread of category U - Trees with significant overall decline
Crown spread of category A - Trees with high quality and value
Crown spread of category B - Trees with moderate quality and value
Crown spread of category C - Trees with low quality and value
Root Protection Area (RPA)
N
This plan is provided solely for the purpose of supporting the description of the ecological features of the site as contained in the accompanying report
0
20 Metres
Contains Ordnance Survey Data © Crown copyright and database rights 2018
ICKENHAM RD
ICKENHAM ROAD
HARWELL CLOSE
FAIRFIELD COURT
Church
Club
Childrens Nursery

Appendix 3 Tree Retention and Removal Plan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SCSJV
Map title
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1/7
Scale (at A3)
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08/10/2018
Surveyor
James Potts, Michael Steed, Stefan Harrison
Drawn
JD
Approved
JP
Date
25/01/2018
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Legend
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Crown spread of category B - Trees with low quality and value
Crown spread of category A - Trees with high quality and value
Crown spread of category A - Trees with high quality and value
Root Protection Area (RPA)
Trees to be removed
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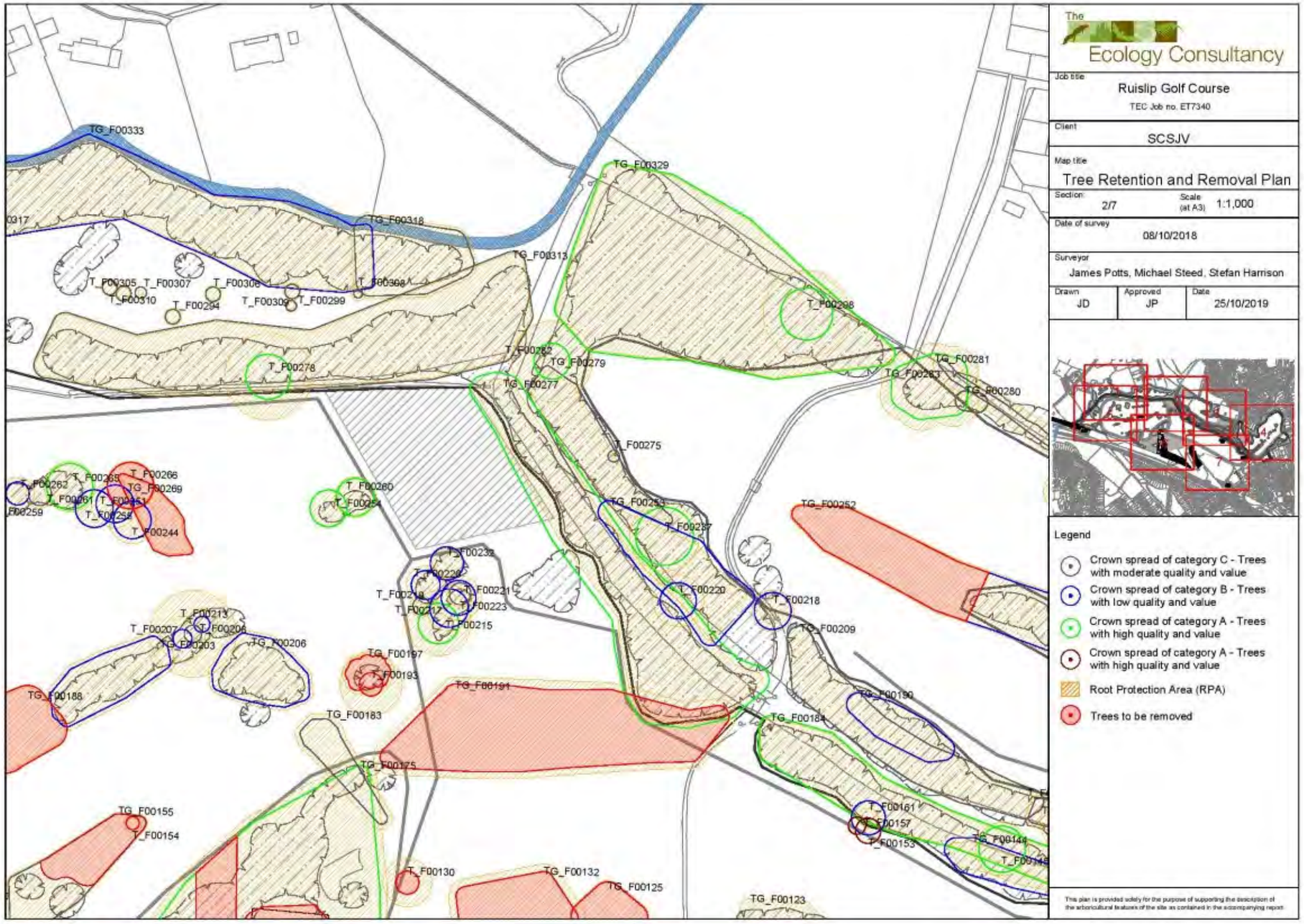
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Client
SCSJV
Map title
Tree Retention and Removal Plan
Section: 2/7
Scale (at A3) 1:1,000
Date of survey
08/10/2018
Surveyor
James Potts, Michael Steed, Stefan Harrison
Drawn JD
Approved JP
Date 25/10/2019
Legend
Crown spread of category C - Trees with moderate quality and value
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Root Protection Area (RPA)
Trees to be removed
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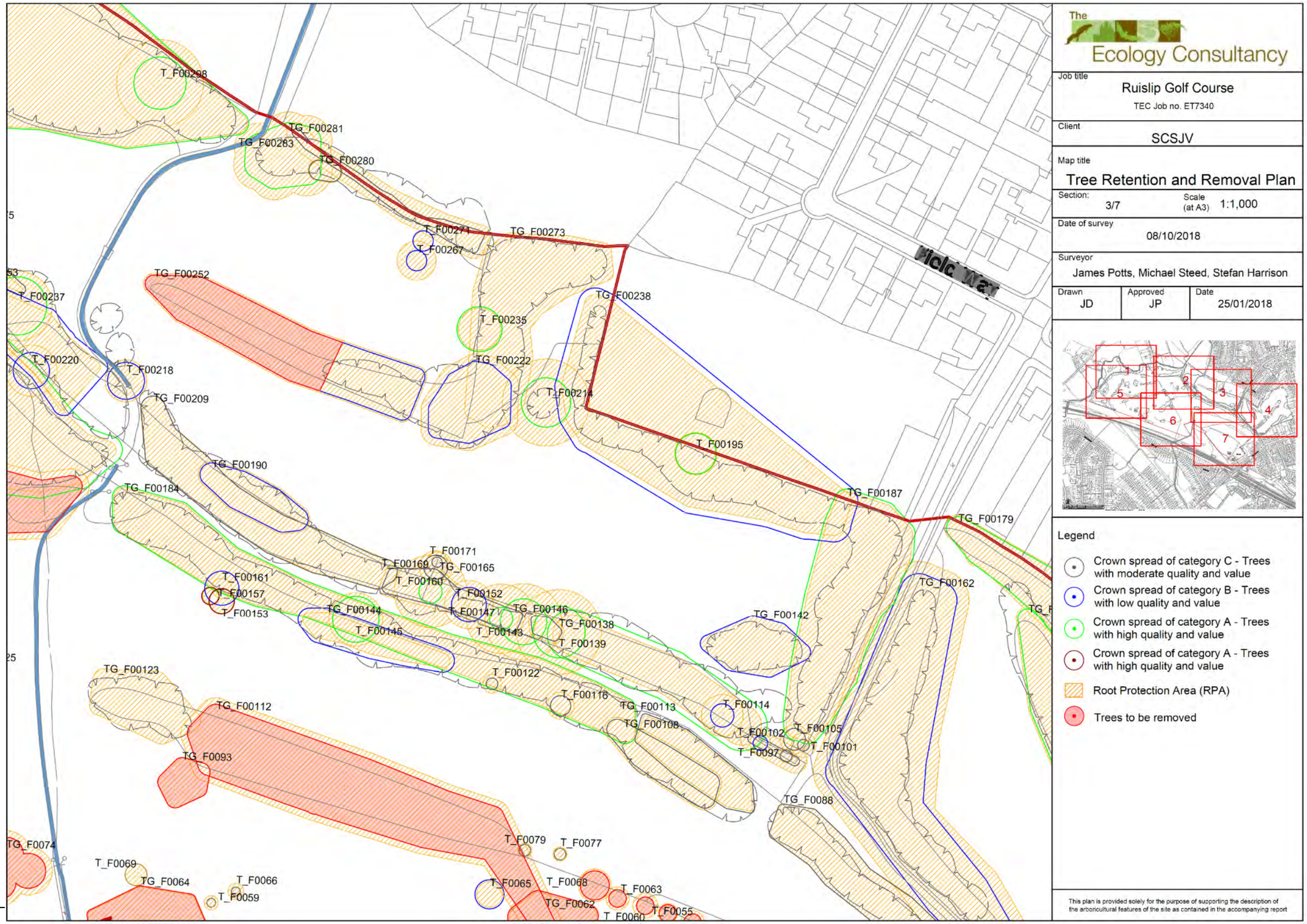
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Client
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Map title
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Section: 3/7
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08/10/2018
Surveyor
James Potts, Michael Steed, Stefan Harrison
Drawn JD
Approved JP
Date 25/01/2018
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Legend
Crown spread of category C - Trees with moderate quality and value
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Root Protection Area (RPA)
Trees to be removed
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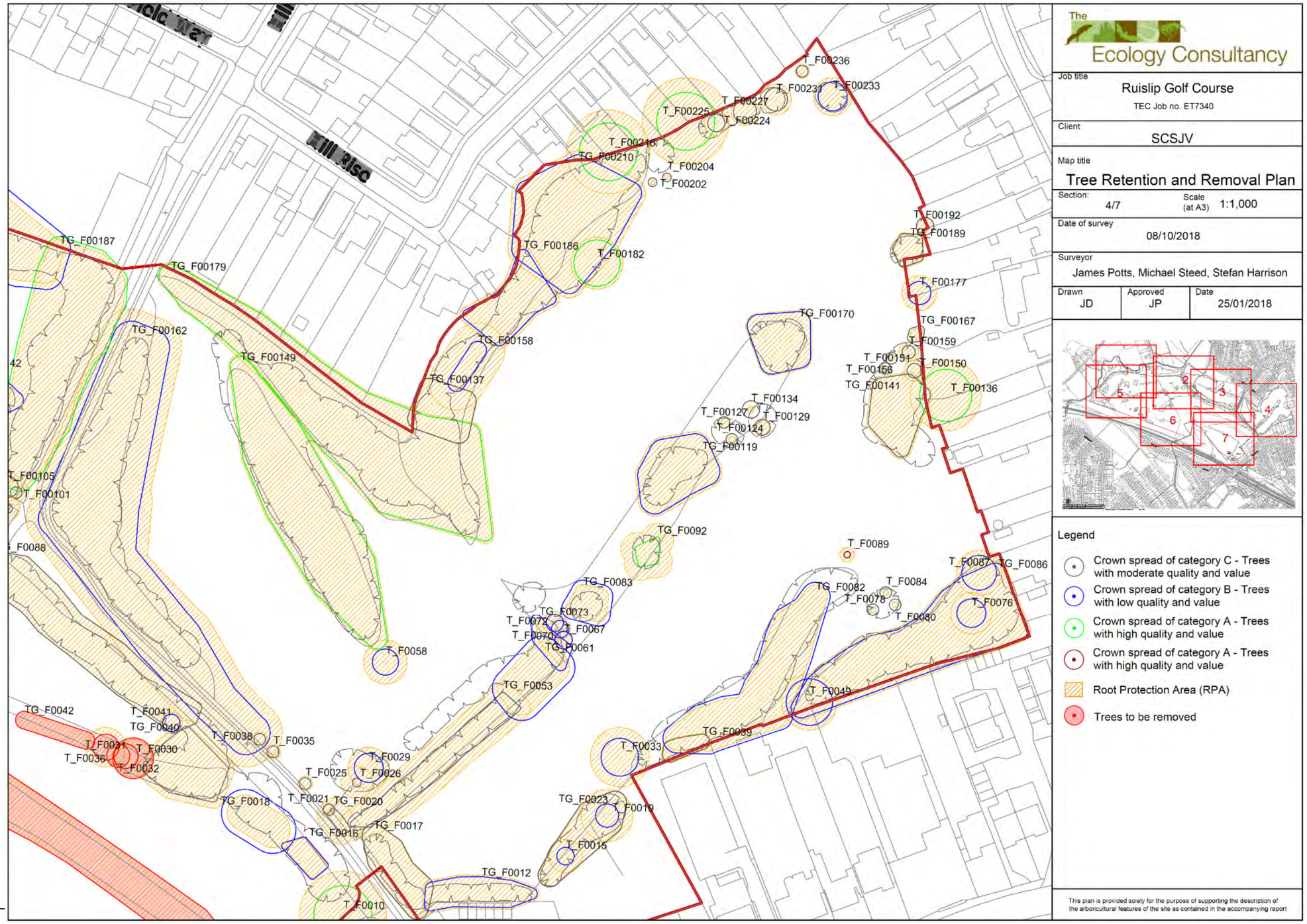
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Section:
4/7
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Surveyor
James Potts, Michael Steed, Stefan Harrison
Drawn
JD
Approved
JP
Date
25/01/2018
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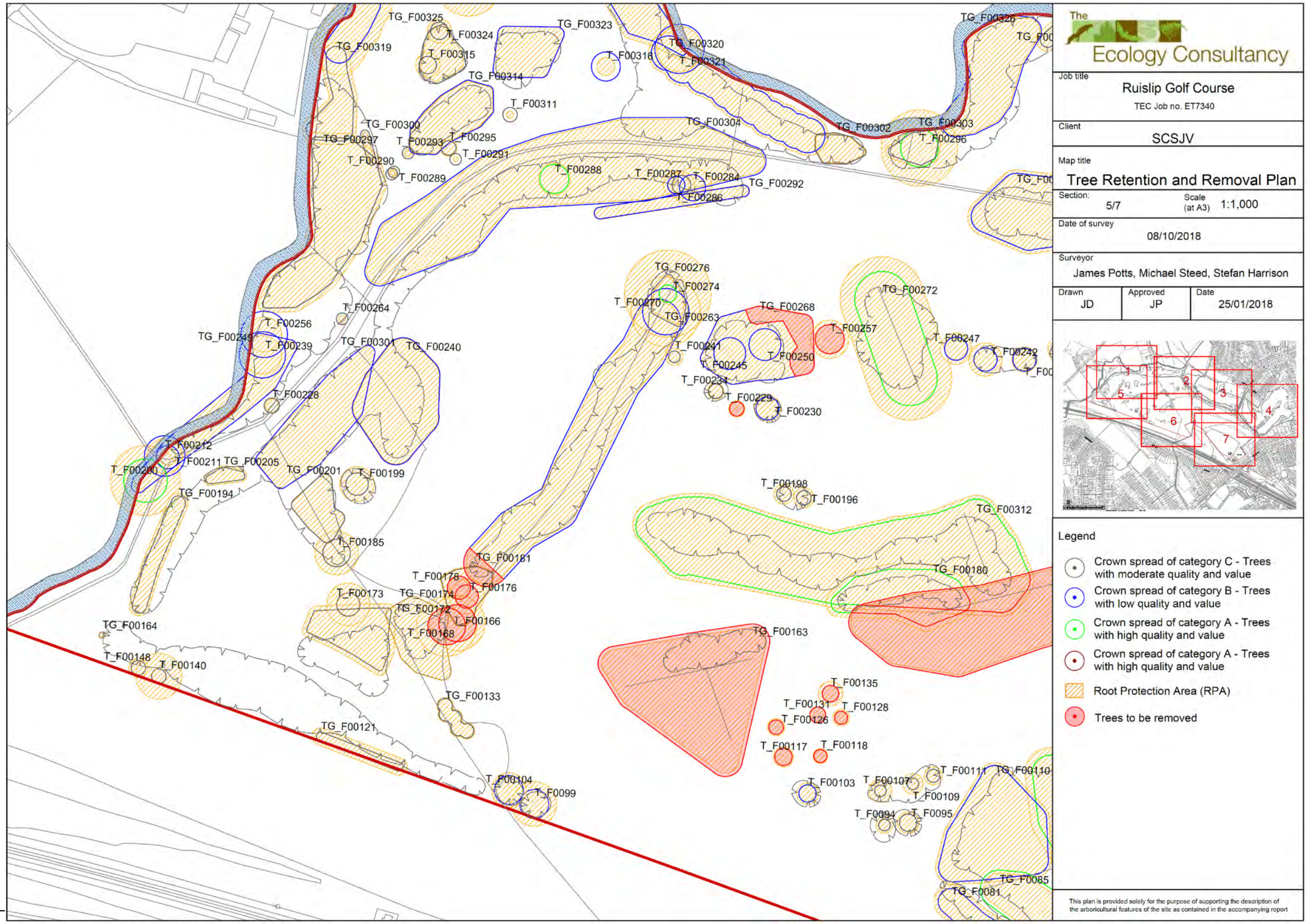
Legend
Crown spread of category C - Trees with moderate quality and value
Crown spread of category B - Trees with low quality and value
Crown spread of category A - Trees with high quality and value
Crown spread of category A - Trees with high quality and value
Root Protection Area (RPA)
Trees to be removed
This plan is provided solely for the purpose of supporting the description of the arboricultural features of the site as contained in the accompanying report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Ruislip Golf Course
TEC Job no. ET7340
Client
SCSJV
Map title
Tree Retention and Removal Plan
Section: 5/7
Scale (at A3) 1:1,000
Date of survey
08/10/2018
Surveyor
James Potts, Michael Steed, Stefan Harrison
Drawn JD
Approved JP
Date 25/01/2018
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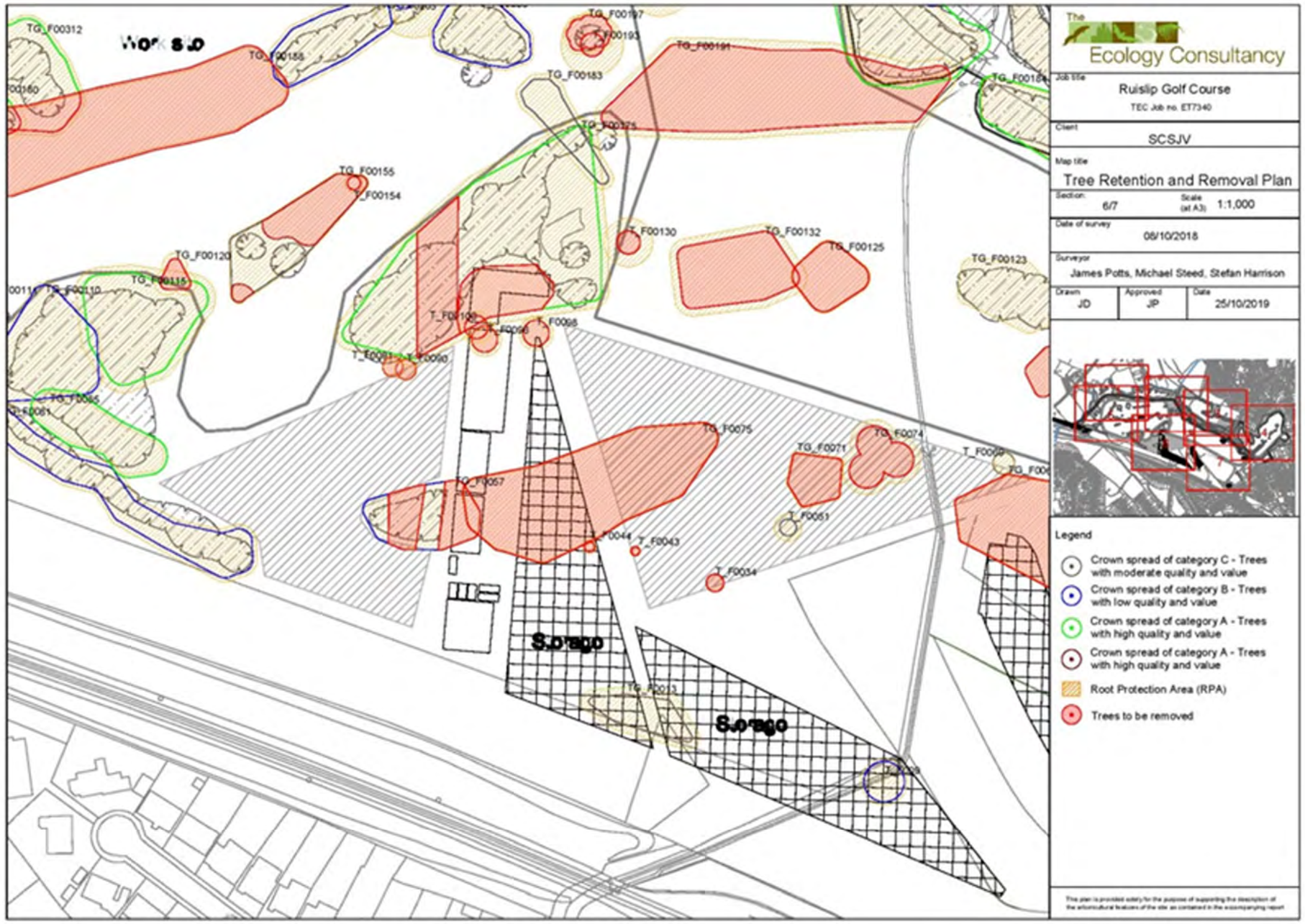
Legend
Crown spread of category C - Trees with moderate quality and value
Crown spread of category B - Trees with low quality and value
Crown spread of category A - Trees with high quality and value
Crown spread of category A - Trees with high quality and value
Root Protection Area (RPA)
Trees to be removed
This plan is provided solely for the purpose of supporting the description of the arboricultural features of the site as contained in the accompanying report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Section
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08/10/2018
Surveyor
James Potts, Michael Steed, Stefan Harrison
Drawn
JD
Approved
JP
Date
25/10/2019
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Crown spread of category B - Trees with low quality and value
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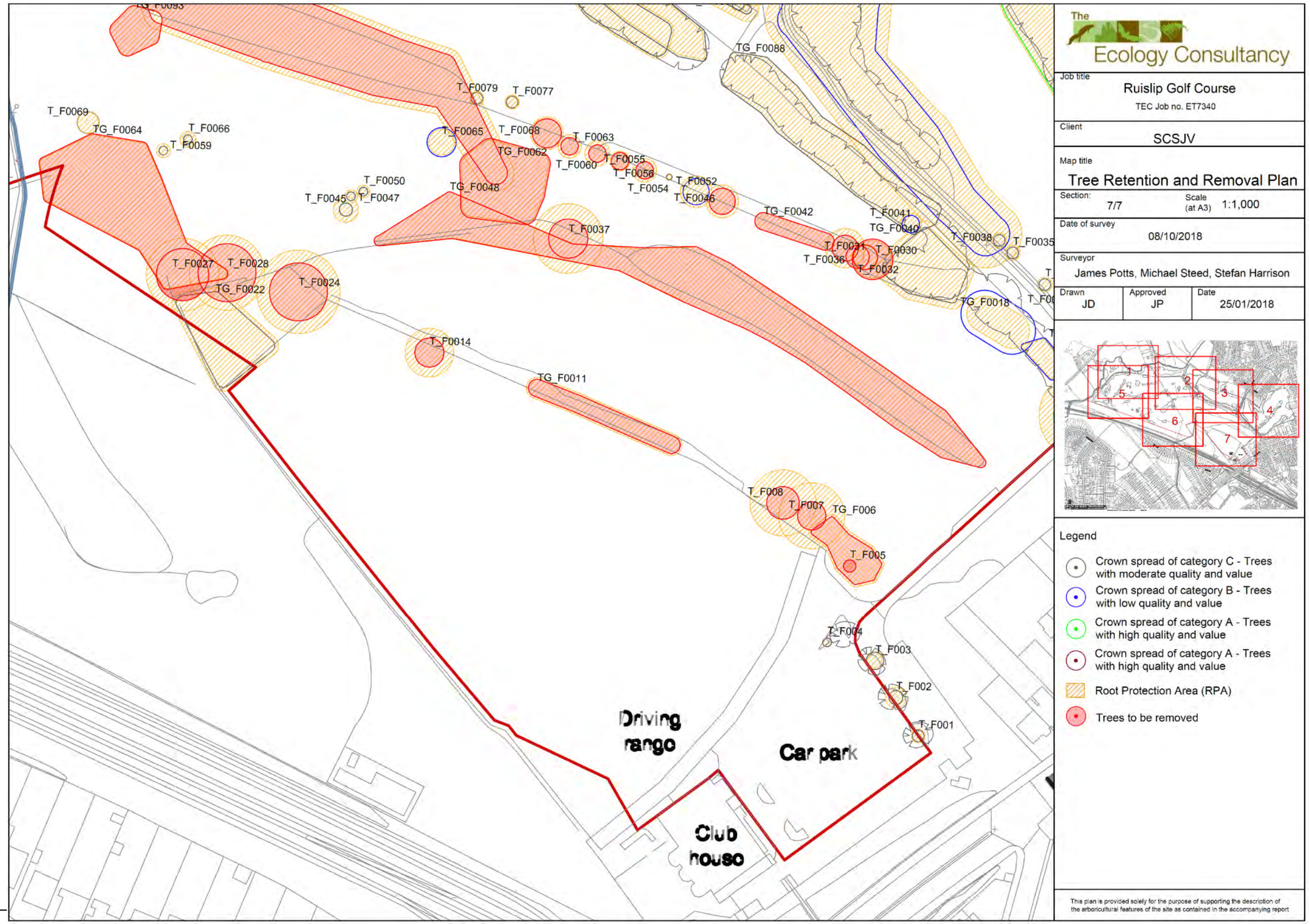
Crown spread of category A - Trees with high quality and value
Root Protection Area (RPA)
Trees to be removed
Spoil
Spoil



The Ecology Consultancy

Job title	Ruislip Golf Course
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Client	SCSJV
Map title	Tree Retention and Removal Plan
Section: 7/7	Scale (at A3) 1:1,000
Date of survey	08/10/2018
Surveyor	James Potts, Michael Steed, Stefan Harrison
Drawn: JD / Approved: JP / Date: 25/01/2018	

Legend

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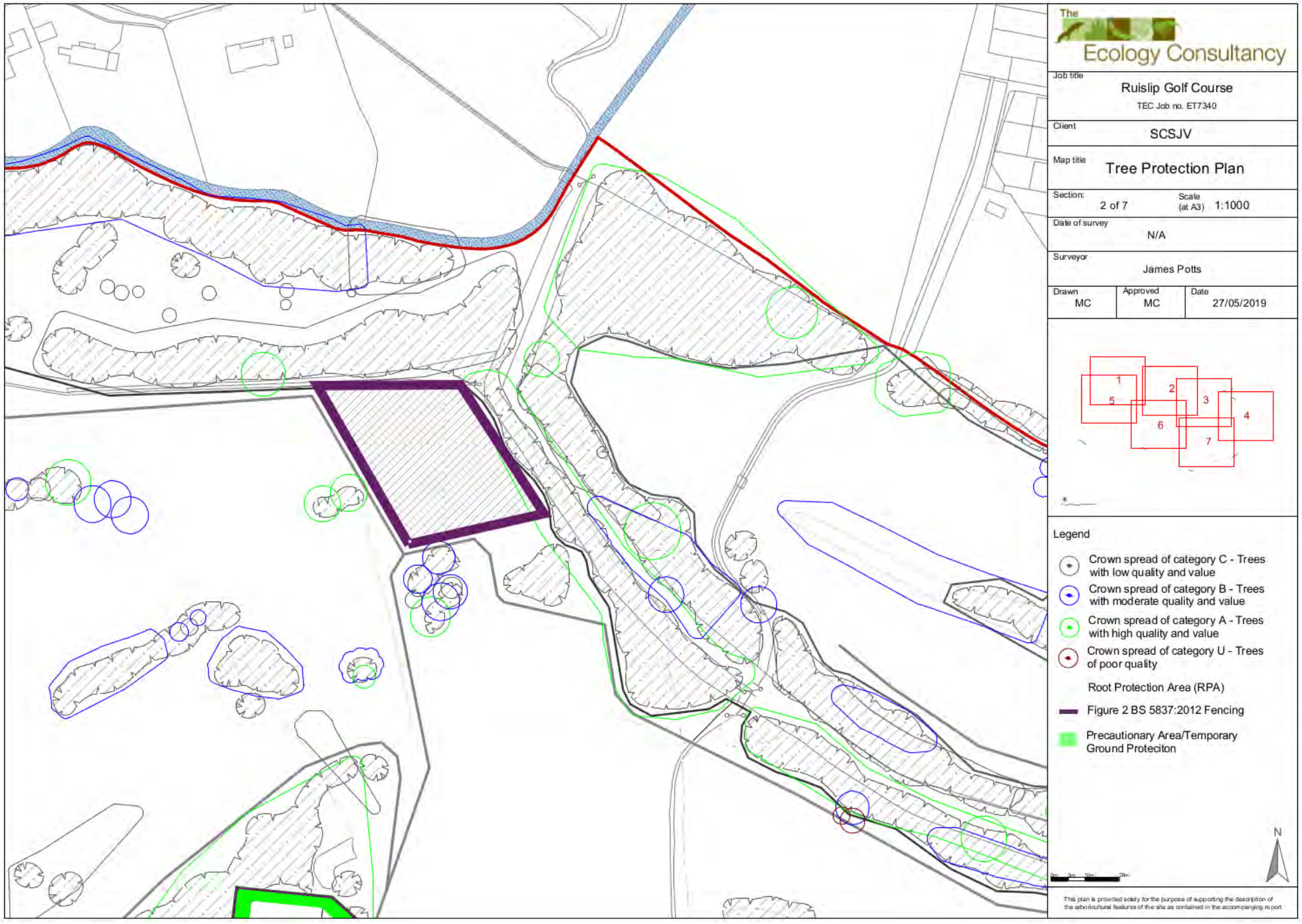
- Crown spread of category B - Trees with low quality and value
- Crown spread of category A - Trees with high quality and value
- Crown spread of category A - Trees with high quality and value
- Root Protection Area (RPA)
- Trees to be removed

This plan is provided solely for the purpose of supporting the description of the arboricultural features of the site as contained in the accompanying report

Appendix 4 Tree Protection Plan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TEC Job no. ET7340
Client
SCSJV
Map title
Tree Protection Plan
Section:
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Scale (at A3) 1:1000
Date of survey
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Surveyor
James Potts
Drawn
MC
Approved
MC
Date
27/05/2019
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Legend
Crown spread of category C - Trees with low quality and value
Crown spread of category B - Trees with moderate quality and value
Crown spread of category A - Trees with high quality and value
Crown spread of category U - Trees of poor quality
Root Protection Area (RPA)
Figure 2 BS 5837:2012 Fencing
Precautionary Area/Temporary Ground Proteciton
N
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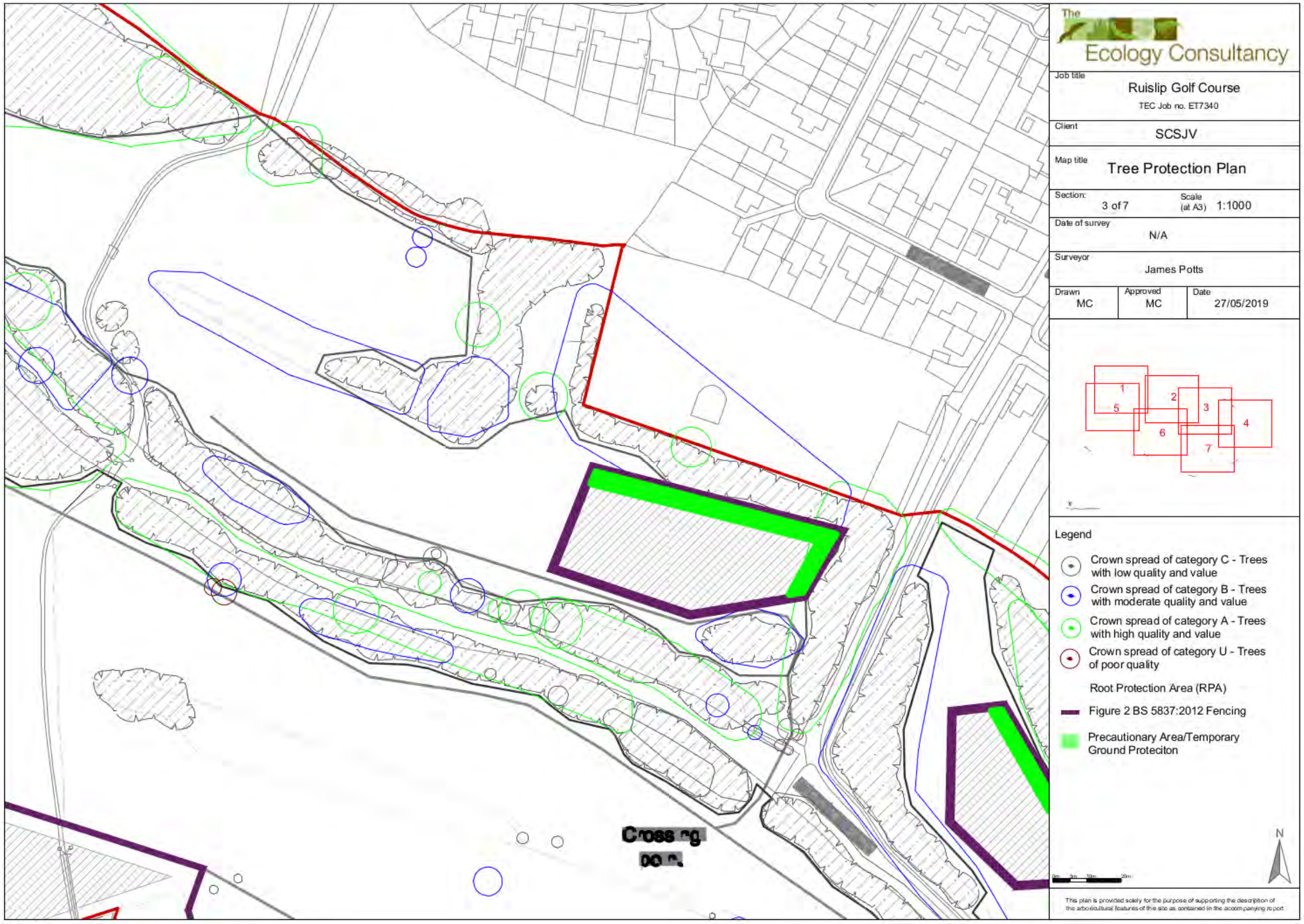
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Map title
Tree Protection Plan
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Date of survey
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Surveyor
James Potts
Drawn
MC
Approved
MC
Date
27/05/2019
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Legend
Crown spread of category C - Trees with low quality and value
Crown spread of category B - Trees with moderate quality and value
Crown spread of category A - Trees with high quality and value
Crown spread of category U - Trees of poor quality
Root Protection Area (RPA)
Figure 2 BS 5837:2012 Fencing
Precautionary Area/Temporary Ground Proteciton
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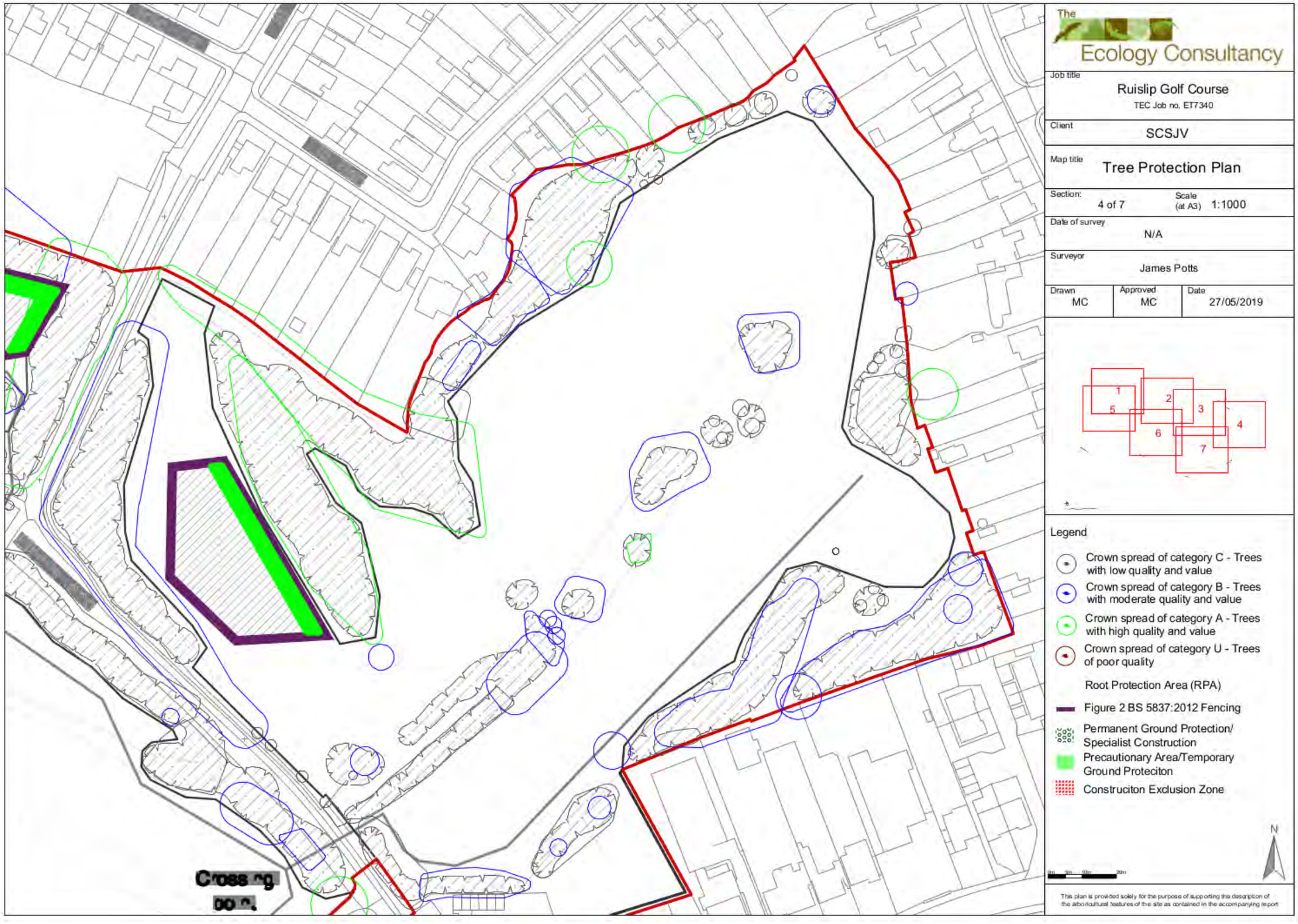
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Surveyor
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Drawn
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Approved
MC
Date
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Legend
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Crown spread of category B - Trees with moderate quality and value
Crown spread of category A - Trees with high quality and value
Crown spread of category U - Trees of poor quality
Root Protection Area (RPA)
Figure 2 BS 5837:2012 Fencing
Permanent Ground Protection/ Specialist Construction
Precautionary Area/Temporary Ground Proteciton
Construciton Exclusion Zone
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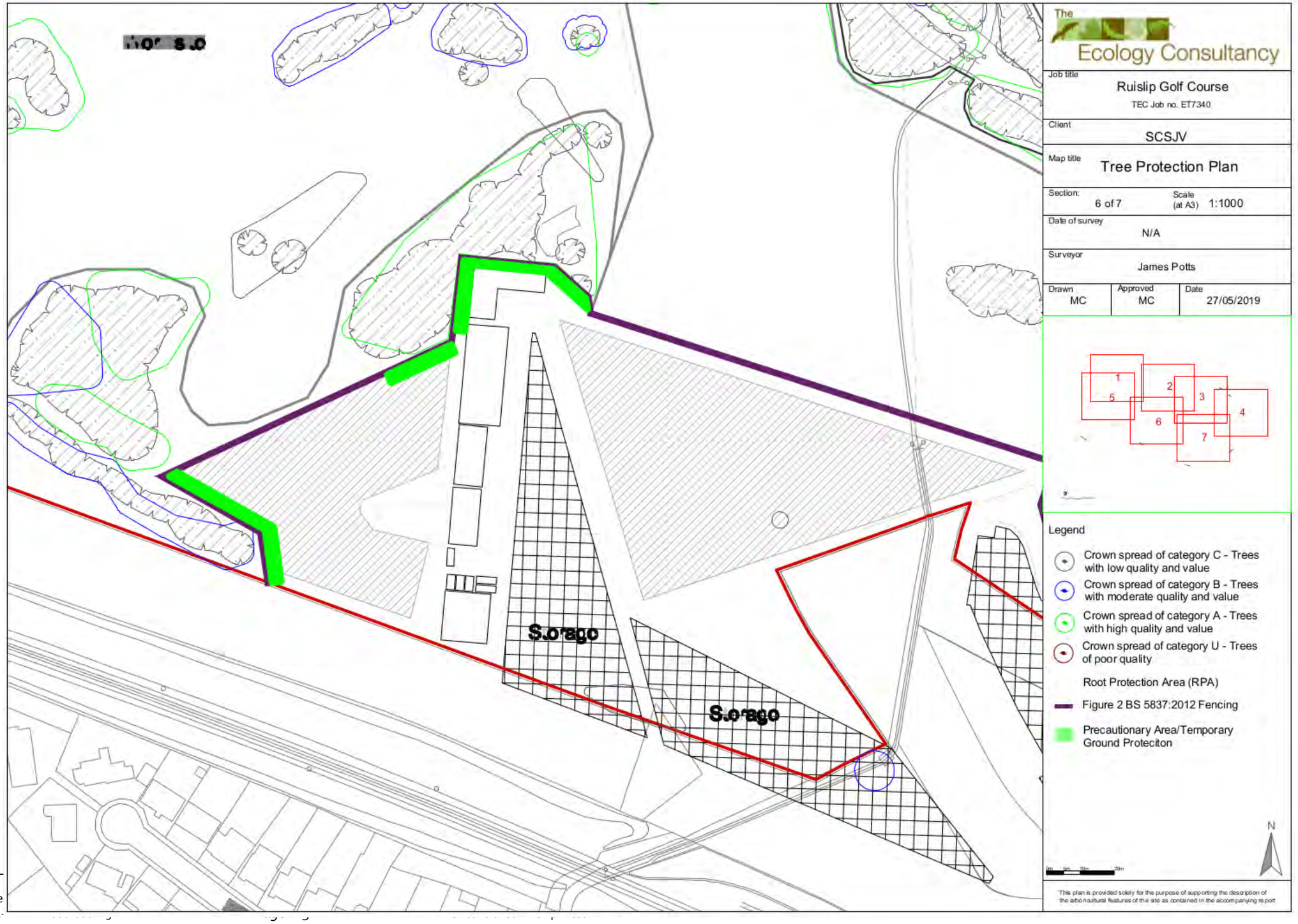
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Section:
6 of 7
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Surveyor
James Potts
Drawn
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Date
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Legend
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Crown spread of category U - Trees of poor quality
Root Protection Area (RPA)
Figure 2 BS 5837:2012 Fencing
Precautionary Area/Temporary Ground Proteciton
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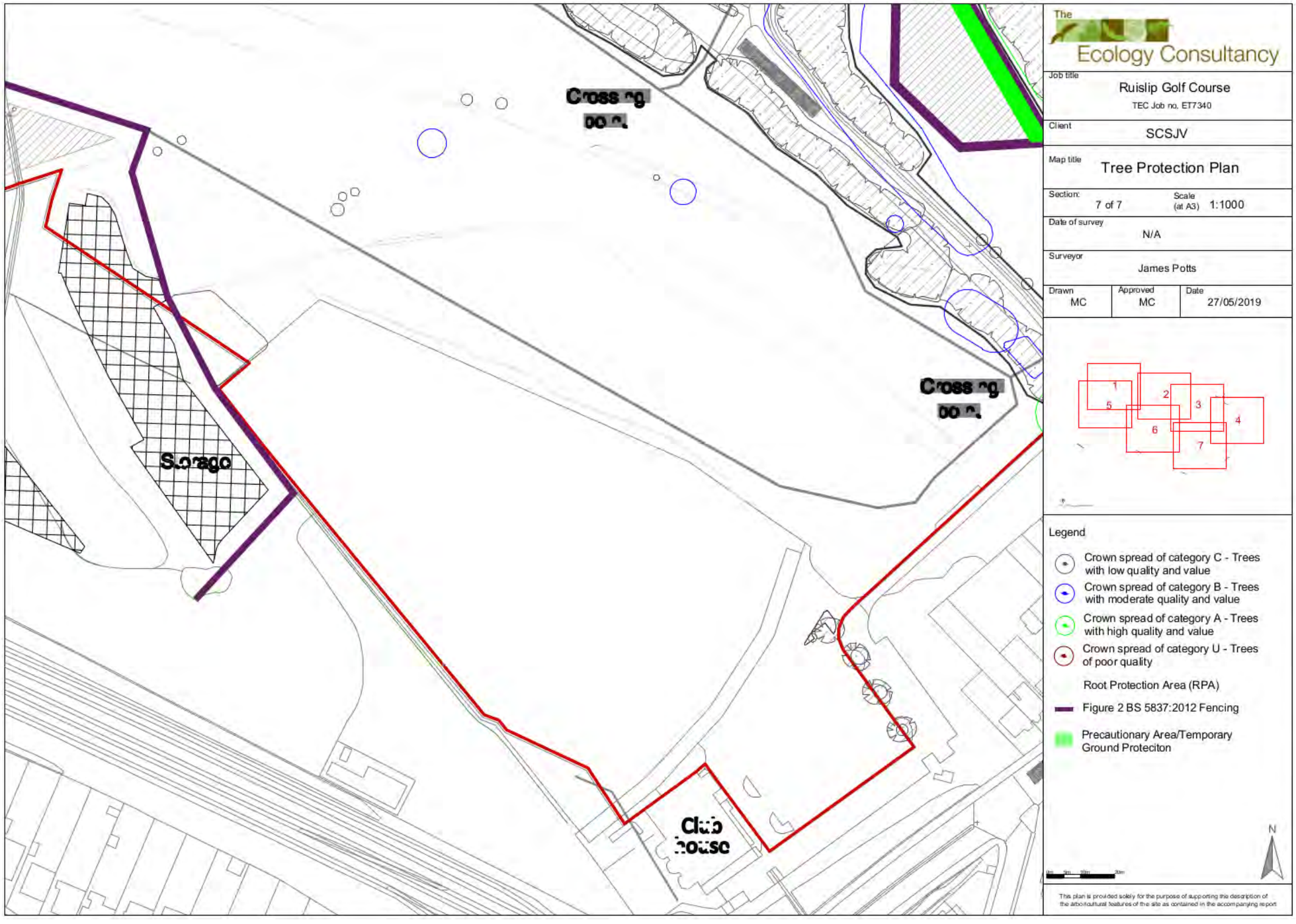
Crossing point
Storage
Crossing point
Club house
The Ecology Consultancy
Job title
Ruislip Golf Course
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Client
SCSJV
Map title
Tree Protection Plan
Section:
7 of 7
Scale (at A3)
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Surveyor
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Drawn
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Approved
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Date
27/05/2019
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Legend
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Crown spread of category B - Trees with moderate quality and value
Crown spread of category A - Trees with high quality and value
Crown spread of category U - Trees of poor quality
Root Protection Area (RPA)
Figure 2 BS 5837:2012 Fencing
Precautionary Area/Temporary Ground Proteciton
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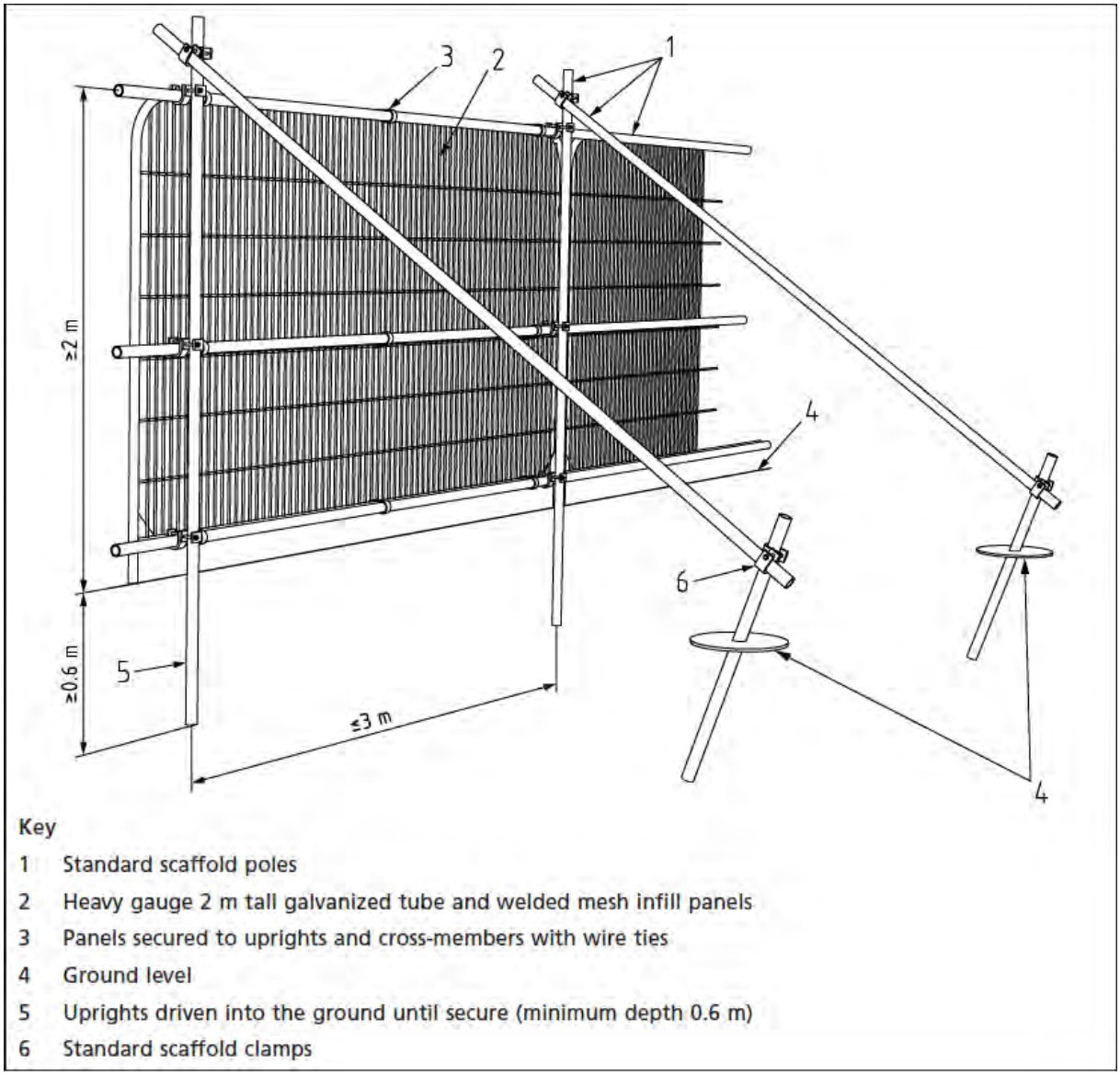
This plan is provided solely for the purpose of supporting the description of the arboricultural features of the site as contained in the accompanying report

Appendix 5 Tree Protection Fencing and Ground Protection

Figure 1. Default specification barrier (BS 5837:2012 figure 2)



Key

1 Standard scaffold poles
2 Heavy gauge 2 m tall galvanized tube and welded mesh infill panels
3 Panels secured to uprights and cross-members with wire ties
4 Ground level
5 Uprights driven into the ground until secure (minimum depth 0.6 m)
6 Standard scaffold clamps

Figure 2. Alternative 'above-ground' barrier system (BS 5837:2012 figure 3)

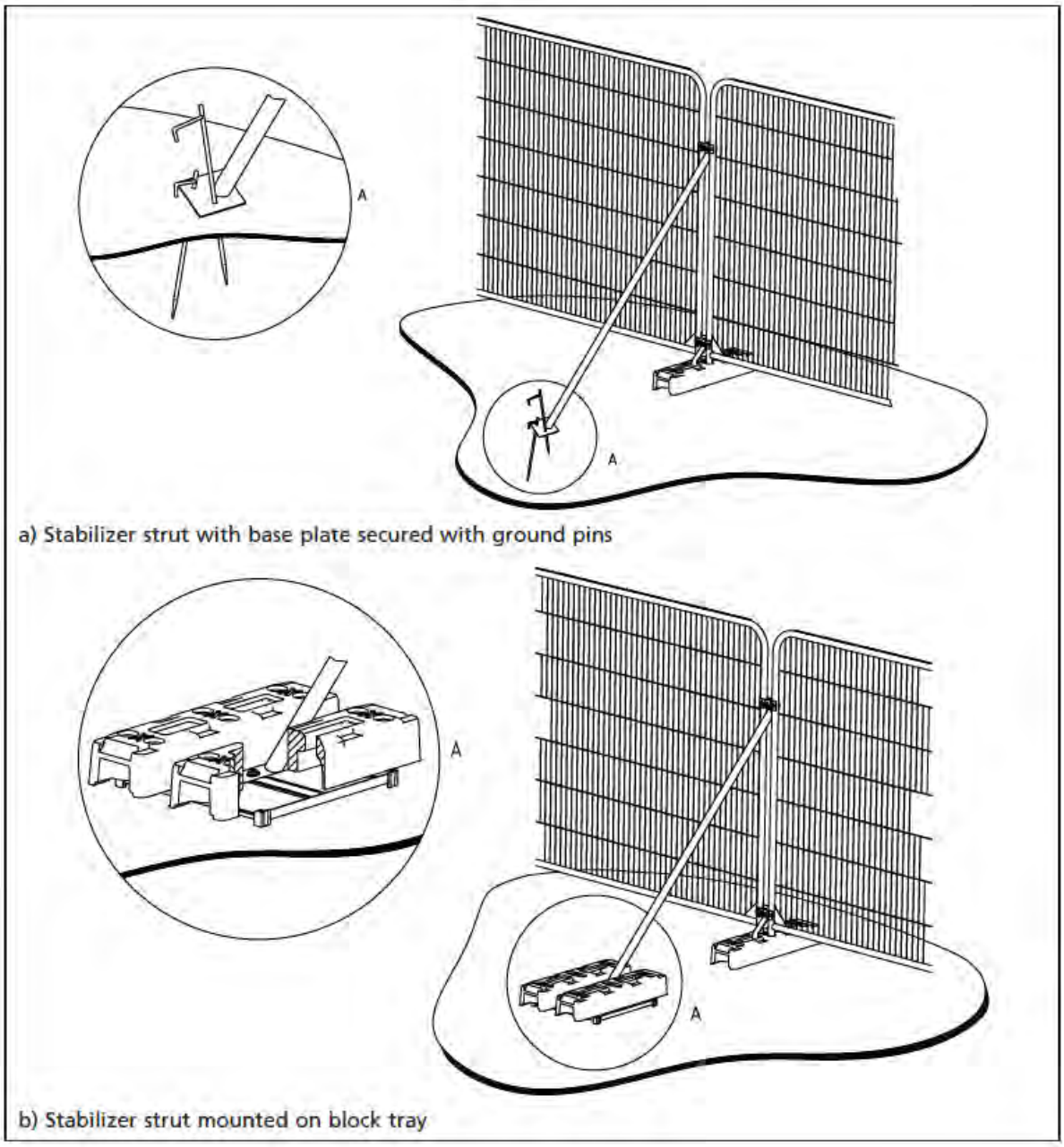
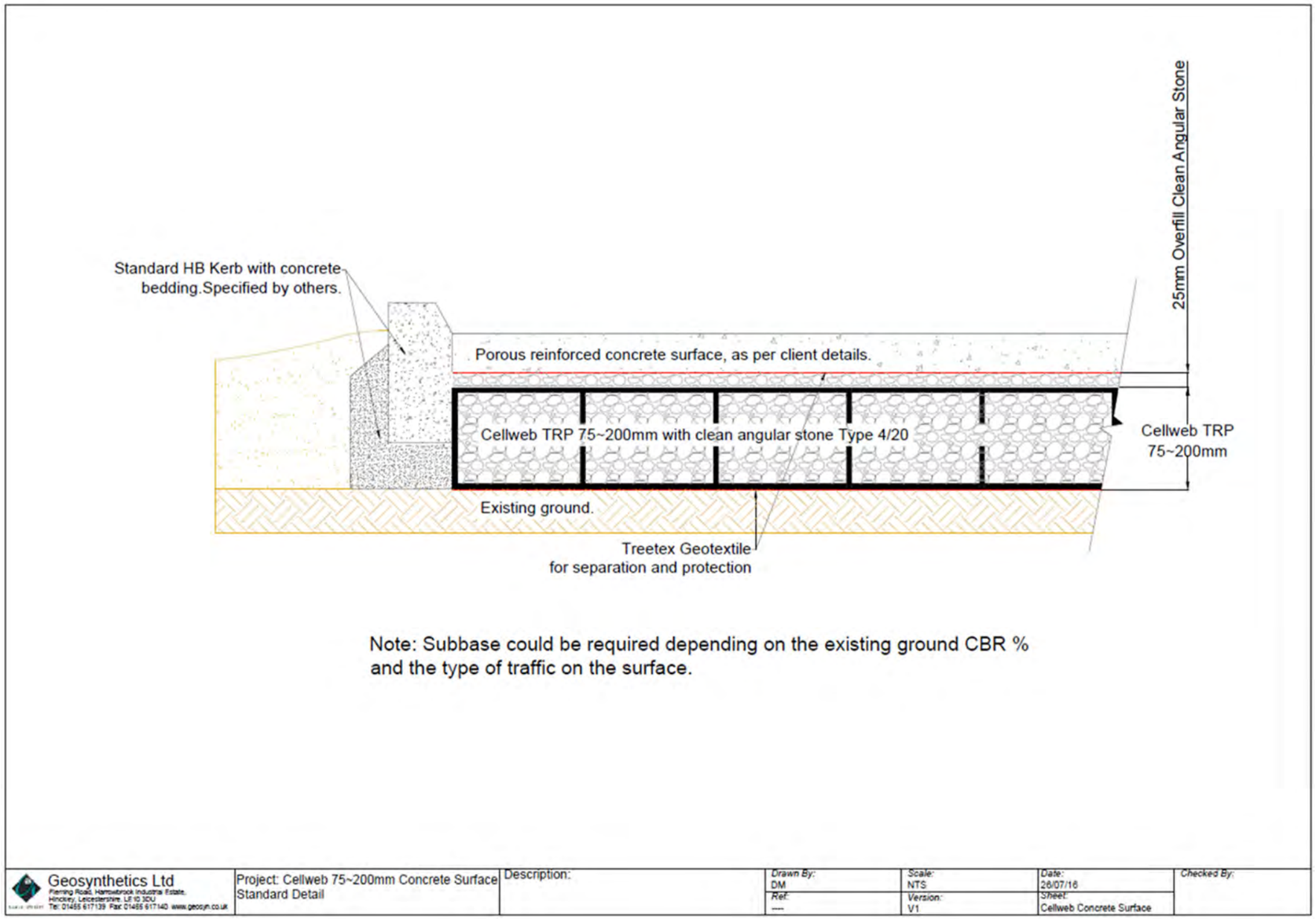


Figure 3. Load bearing cellular confinement system (Cellwebb) with porous concrete surface to be used as the foundation of the 6m buffer during the construction phase (Geosynthetics, 2016)



Appendix 6 Signage

PROTECTIVE FENCING. THIS FENCING MUST BE MAINTAINED IN ACCORDANCE WITH THE APPROVED PLANS AND DRAWINGS FOR THIS DEVELOPMENT.

TREE PROTECTION AREA
KEEP OUT !
(TOWN & COUNTRY PLANNING ACT 1990)
TREES ENCLOSED BY THIS FENCE ARE PROTECTED BY PLANNING CONDITIONS AND/OR ARE THE SUBJECTS OF A TREE PRESERVATION ORDER.
CONTRAVENTION OF A TREE PRESERVATION ORDER MAY LEAD TO CRIMINAL PROSECUTION

ANY INCURSION INTO THE PROTECTED AREA MUST BE WITH THE WRITTEN PERMISSION OF THE LOCAL PLANNING AUTHORITY

Appendix 7 Glossary of Terms

Term	Explanation
Arboricultural Impact Assessment (AIA)	Evaluation of direct and indirect effects of a proposed design and/or construction.
Arboricultural Method Statement (AMS)	Methodology for the implementation of any aspect of development that is in the root protection area or has the potential to result in the loss of or damage to a tree to be retained.
Branch structure	Qualitative description of formation of main framework of limbs and branches.
Canopy face	Orientation of canopy relative to cardinal points of the compass
Canopy radius	A measurement taken from the centre of a tree to the furthest radial extension of tree canopy relative to the cardinal points of the compass.
Competent Person	Person who has training and experience relevant to the matter being addressed and an understanding of the requirements of the particular task being approached.
Conservation Area	Local Planning Authority special designation generally prohibiting tree works without 6 weeks prior written notification.
Construction Exclusion Zone (CEZ)	Area based upon the calculated root protection area prohibiting access.
Cavity	Open and exposed aperture where wood tissue has internally degraded.
Constraints check	Formal search of local authority records to determine legal and statutory constraints on tree works.
Crown lifting	Removal of lower branches to achieve a stated vertical clearance above ground level or other surface.
Crown reduction	Pruning of a trees canopy in both height and width.
Decay	Deterioration and breakdown of tree wood fibres resulting in structural and/or physiological dysfunction of a tree.
Dieback	Continual decline and death of wood tissue including twigs and branches.
Failure	Description of structural failure or wood fibres including fracture of branches, limbs and main stems.
Fork	Area or point of union between one or more limbs or branches.
Hazard Risk Assessment	Qualitative and quantitative appraisal of the potential for tree failure and the possible risk of harm or damage to persons or property.
Local Planning Authority	Body responsible for the administration of Statutory duties relating to Development Management.
Multi-stem	A single tree formed from 2 or more codominant main stems
Occlusion	Wood development enclosing an extant wound or pruning cut.
Pruning	The targeted removal of branches or limbs using saws or other tools.

Physiological Condition	Observation relating to a trees physiology for example vigour, leaf area, growth rate, the presence of pests or disease.
Root Protection Area	Root Protection Area (RPA). Indicative area around a tree deemed to contain sufficient rooting volume to maintain the viability of a tree.
Shelter belt	A wind break normally made up of one or more trees planted in such a way to provide cover from the wind.
Structural Condition	Observation relating to a trees structural integrity and the presence of any physical defects.
Suppressed	Where a trees development has been influenced or effected by the presence of competing vegetation.
Tree Constraints Plan	A scaled plan indicating above and below ground constraints relating to the protection of trees
Tree Preservation Order	A legal order made by the local planning authority protecting specific trees in the interests of amenity.
Visual Tree Assessment (VTA)	A method of assessment based upon the research developed to recognise dynamic responses of a tree to its surroundings.