ARBORICULTURAL REPORT

SUTTON BRIDGE SOLAR DEVELOPMENT

EDF ENERGY RENEWABLES

NOVEMBER 2020



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1 INTRODUCTION

1.1 Instructions and Brief

1.1.1 Arcus was instructed by EDF Renewables to carry out a tree survey and prepare an Arboricultural report.

1.1.2 The report is written in accordance with BS 5837:2012 Trees in relation to design, demolition and construction – Recommendations, to provide detailed, independent, Arboricultural advice on the trees present, in the context of potential development.

1.2 Survey Details

1.2.1 The survey took place during August 2020.

1.2.2 The trees were surveyed visually from the ground using "Visual Tree Assessment" techniques and in accordance with the guiding principles of British Standard 5837:2012.

1.2.3 Any additional off-site trees that could impact a new development design have been included in the tree survey parameters.

1.2.4 Arcus were provided with a topographical survey which plotted tree positions. Where surveyed trees were not included on the topographical survey, the tree positions were plotted using enhanced GPS technology (1- 2 m accuracy) and laser distance measurer.

1.2.5 Explanatory details regarding the survey methodology are included within Appendix 1. A full explanation of the tree data can be found at Appendix 2. Full details of all the trees surveyed are found in Appendix 3. For tree locations please refer to the Tree Constraints Plans at Appendix 4.

2 THE SITE

2.1 Location and Description

2.1.1 The Site is located to the south of Sutton Bridge, a village and civil parish in the South Holland district of Lincolnshire (the Site).

2.1.2 The Site comprises several large arable fields, divided by drainage channels and dense lines of tree and shrub cover. Sutton Bridge power station and several commercial properties are located to the north, agricultural fields are located to the east and south, and the River Nene to the west. Several informal access roads cross the site, generally close to field boundaries.

2.1.3 The approximate area of the survey is highlighted in the image below. Since the original survey was carried out, the extent of the planning application boundary has been further refined. The survey area below has been kept for the purpose of this report.

(Google Earth, 2018):



3 THE TREES

3.1 Legal

3.1.1 An online search has been carried out with South Holland District Council on 17/08/20 to ascertain whether any trees at the Site are located within a Conservation area or are protected by a Tree Preservation Order (TPO). The Site is situated within the Crowland Area TPO (Ref: TPO/002/04/1985), and as such all trees within the site are legally protected.

3.1.2 Before carrying out any works to protected trees the permission of the local planning authority must be sought. There are large potential penalties for illegally carrying out work to protected trees. Statutory permission is not required for the removal of deadwood.

3.1.3 When appointing a tree surgeon, only properly qualified and experienced companies should be used, who have adequate Public Liability and Employer's Liability Insurance.

3.1.4 All tree work should be carried out according to British Standard 3998:2010 Tree Work - Recommendations.

3.2 Tree Survey Results

3.2.1 The tree survey identified 198 items of woody vegetation, comprised of 175 individual trees and 23 groups of trees or shrubs or hedges.

3.2.2 Of the surveyed trees: 145 trees and 9 groups are retention category 'B', and the remaining 30 trees and 14 groups are retention category 'C' (explanatory details regarding the retention categories are included at Appendix 2).

3.2.3 The significant tree cover within the Site consists primarily of three linear groups of Poplar trees surrounded by a dense understory of smaller trees, saplings and shrubs. The occasional smaller individual tree or small tree group is located throughout the site, generally close to the boundary lines. Large and dense groups of tree cover are also located close to the boundaries beyond the site, mainly to the north west.

3.2.4 The central areas of the Site contain very little of Arboricultural significance, generally consisting of open field areas.

3.2.5 Species diversity at the site is fair. The vast majority of trees are Poplar, with several Alder, Birch and Hawthorn and the occasional Apple, Ash, Beech, Blackthorn, Cherry, Cypress, Hazel, Holly, Horse Chestnut, Lime, Sycamore and Willow.

3.2.6 The Site's trees had a good age diversity with many young to early mature trees and the occasional mature tree.

3.2.7 The most significant trees within the Site are the large Poplars, G16, T17, T19, T21 to T60, T110 to T150 and T152 to T194, split into three long linear groups. The southernmost group is relatively dense with the trees spaced approximately 5 m apart, whereas the northern two groups are both spaced at approximately 12 m. The occasional tree is in a relatively poor condition (as detailed at Appendix 3), however the vast majority have reasonable future prospects and provide some good amenity value. The groups as a whole are collectively of high amenity, forming significant landscape features that are visible for a significant distance in all directions.

3.2.8 The understory to these linear groups of Poplars is formed either by dense groups of younger trees or recently planted Hawthorn shrubs (G18, G20, G109 and G151). Although these groups are of relatively low value, they provide comprehensive screening between the Site and the surrounding areas or between different areas within the Site.

3.2.9 Two further Poplar groups are located beyond the Site boundaries (T72 to T82 to the west and G195 to the east). Both of these dense groups are much shorter than the groups within the site, however they are still visually prominent landscape features that provide a good level of amenity value.

3.2.10 Several groups of relatively large trees are located beyond the Site to the north west and to the east, generally growing on an embankment between the Site and the neighbouring power station or its access road, Centenary Way (G62 to G66, G196 and G197). These groups consist predominantly of larger Poplar trees with a dense understory of smaller trees and shrubs of various species. These prominent groups provide good amenity and screening between the site and the land beyond.

3.2.11 The only other trees of any individual significance are located near the western boundary, either in a small cluster by an area of hard standing or close to a residential property and several storage barns. These are the Poplars T83, T88 and T90, Sycamores T92, T102 and T105, and Cherry T107.

3.2.12 The remaining trees at the Site are of low value and should not pose any significant constraint on the development potential of the Site.

3.2.13 The Poplar T85 and Sycamore T101 are both in a particularly poor condition, as detailed at Appendix 3, and are likely to be unsuitable for retention if close to any future development at the Site. As such it may be deemed appropriate that these trees are removed prior to the commencement of any construction works depending on their proximity to the development.

3.2.14 Many Ash trees in the wider region are being impacted by Chalara Dieback of Ash. Once a tree is infected this disease is usually fatal, either directly or indirectly. While the identified Ash trees may continue to provide landscape and wildlife benefits for some time, their long-term prospects are likely to be limited as a result of Ash Dieback.

3.2.15 Some trees were covered in dense Ivy or were inaccessible (as detailed in appendix 3) in such cases measurements were estimated and the condition values are indicative only.

3.2.16 The tree Root Protection Area (RPA) for each tree has been plotted as a polygon centred on the base of the stem. Due to the presence of roads, structures, topography (and past tree management) the RPA is likely to be a simplified representation of the tree roots actual morphology and disposition. However, detailed modifications to the shape of the RPA would largely be based on conjecture and so have been avoided.

3.2.17 The lower value tree, hedge and shrub groups within the Site, and the larger groups where the RPA would fall outside of the Site boundary, do not have RPAs detailed on tree plans. The detailed extent and spread of these groups, in conjunction with the tree schedule, is sufficient to assess the associated potential constraints.

3.3 Arboricultural Development Advice

3.3.1 Most of the Site's central areas have no significant trees and so are free of any significant Arboricultural impacts for any new development.

3.3.2 The higher value retention category 'B' trees and groups should be retained, where possible, and incorporated into any new development design.

3.3.3 Where suitable, those category 'C' trees and groups with reasonable future prospects (as detailed at Appendix 3) should be retained as part of any new development. However, care should be taken to avoid misplaced tree retention. Attempts to retain too many or unsuitable trees on a site can result in excessive pressure on the trees during demolition or construction work, or post-completion demands for their removal.

3.3.4 If required by the development proposals, occasional lower value, retention category 'C' trees and groups could be removed, and replacement planting would largely mitigate their losses.

3.3.5 The tree Root Protection Area (RPA), detailed on the Tree Constraints Plans at Appendix 4, should be used as a layout design tool, to inform on the area around trees where the protection of the roots and soil structure is treated as a priority.

3.3.6 If construction of new buildings or structures are required within the RPA of retained trees it may be possible to employ special foundation design such as mini/micro pile and suspended beam or a cantilevered foundation.

3.3.7 Construction of hard surfaces, for drives and paths, within the RPA can have negative impacts on tree roots. However, the potential negative impacts can often be overcome or minimised by employing a 'no-dig' type construction method with a porous final surface.

3.3.8 The design of the new development should consider the trees' crown position in relation to any new structures that require direct sunlight. The tree shadow for the larger trees with the potential to shade areas within the Site been plotted as a shaded polygon on the tree plans at Appendix 4. This is an estimate of the shade likely to be cast by each tree during periods of bright sunlight, and does not take into account latitude, time of year or site topography. Whilst either shade or sunlight might be desirable, depending on the potential use of the area affected, the design should avoid excessive obstruction of light and should give adequate provision for future tree growth.

4 ARBORICULTURAL IMPACT ASSESSMENT

4.1 4.1. Proposed New Development

4.1.1 The proposed new Development comprises of an area of Solar photovoltaic (PV) arrays and associated infrastructure including access tracks and substation. For the proposed Site layout please refer to Drawing 3630_DR_LAN_100 'Site Layout Plan' within Appendix 5.

4.1.2 The Site Layout proposes to retain all trees.

4.1.3 The RPA illustrated on the Tree Constraints Plan at Appendix 4, has been used as a layout design tool, to inform the area around a tree where the protection of the roots and soil structure is treated as a priority. All proposed tracks are located outside of the RPA in order to avoid impacts upon tree roots.

4.2 Direct Impacts

4.2.1 All trees within the Planning Application Boundary are proposed to be retained.

4.2.2 One Category B tree, G16, will require minor crown reduction work to the north of the canopy, in order to maintain a clear visibility splay at the main site access onto Centenary Way. This work should be undertaken in line with BS3998:2010. This clearance would be maintained throughout the operational period of the Development.

4.3 Indirect Impacts

There are several indirect impacts that have been identified. Firstly, during construction there is the potential to track within the RPA of existing trees. Any such potential impacts can be avoided if the works are constrained to the current agricultural land which forms the majority of the Site. Secondly, a positive impact has been identified post construction and following the establishment of the grassland proposed across the site. The change of use to grassland from intensive arable land will remove the below ground agricultural activity currently operating on site and therefore create an improved situation for existing trees where a larger undisturbed rooting area will be available to trees on Site.

4.4 Protection of the Retained Trees

4.4.1 Retained trees would not require any specific tree protection; however to reduce the risk of any incursion into the RPA's of trees during construction, the site fencing could be installed as a primary construction phase, alongside construction and operation in accordance with BS 5837:2012 recommendations and guidance.

APPENDIX 1: SURVEY METHODOLOGY AND LIMITATIONS

The survey was undertaken in accordance with British Standard 5837:2012 Trees in relation to design, demolition and construction – Recommendations. The trees were assessed objectively and without reference to any proposed site layout. The trees were surveyed from the ground using 'Visual Tree Assessment' (VTA) methodology. VTA is appropriate and is endorsed by industry guidance. It is used by arboriculturists to evaluate the structural integrity of a tree, relying on observation of trees biomechanical and physiological features. Measurements are obtained using a diameter tape, clinometer, laser distometer and loggers' tape. Where this is not practical measurements are estimated. Tree groups have been identified in instances as defined in BS 5837:2012. Shrubs and insignificant trees may have been omitted from the survey.

This report represents a BS5837 tree survey and should not be accepted as a detailed tree safety inspection report; however, tree related hazards are recorded and commented upon where observed, yet no guarantee can be given as to the absolute safety or otherwise of any individual tree. All recommended tree work must be to BS 3998:2010 - 'Tree Work: Recommendations'.

The findings and recommendations contained within this report are valid for a period of twelve months from the date of survey. The author shall not be responsible for events which happen after this time due to factors which were not apparent at the time, and the acceptance of this report constitutes an agreement with these guidelines and terms

APPENDIX 2: EXPLANATION OF TREE DESCRIPTIONS

HEIGHT of the tree is measured from the stem base in metres. Where the ground has a significant slope, the higher ground is selected. a significant slope the higher ground is selected.

CROWN HEIGHT is an indication of the average height at which the crown begins and includes information of the first significant branch and direction of growth.

STEM DIAMETER is measured at 1.5 metres above (higher) ground level. Where the tree is multi-stemmed at this point; the diameter is measured close to ground level or else a combined stem diameter is calculated.

CROWN SPREAD is measured from the centre of the stem base to the tips of the branches in all four cardinal points.

AGE CLASS of the tree is described as young, semi-mature, early-mature, mature, or over mature.

PHYSIOLOGICAL CONDITION is classed as good, fair, poor, or dead. This is an indication of the health of the tree and takes into account vigour, presence of disease and dieback.

STRUCTURAL CONDITION is classed as good, fair or poor. This is an indication of the structural integrity of the tree and takes into account significant wounds, decay and quality of branch junctions.

LIFE EXPECTANCY is classed as; less than 10 years, 10-20 years, 20-40 years, or more than 40 years. This is an indication of the number of years before removal of the tree is likely to be required.

Retention Categories

A (marked in green on Appendix 5) = retention most desirable. These trees are of very high quality and value with a good life expectancy.

B (marked in blue on Appendix 5) = retention desirable. These trees are of good quality and value with a significant life expectancy.

C (marked in grey on Appendix 5) = trees which could be retained. These trees are of low or average quality and value, and are in adequate condition to remain until new planting could be established.

U (marked in red on Appendix 5) = trees for removal. These trees are in such a condition that any existing value would be lost within 10 years.

APPENDIX 3: TREE DATA

Appendix 3

TREE DATA

	Tree Species			Measurements				Crown (m)					Tree Condition							Value		Management
Tree ID	*Common Name*	*Latin Name*	*Maturity*	*Height (m)*	*Stems*	*Stem Diameter (mm)*	*Estimated*	*Ave Height*	*N*	*E*	*S*	*W*	*Roots*	*Stem*	*Crown*	*Comments*	*Physiological*	*Structural*	*Life Expectancy*	*Amenity*	*Category*	*Works*
G1	Alder	*Alnus cordata*	Semi-mature	8.5	8	240 avg	Yes	1	See Plan				Soil compaction, Soil erosion	Single stemmed, Vertical, Tight union	No visual defects	Dense group growing on either side of a drainage channel. Inaccessible due to dense undergrowth.	Good	Fair	>40 yrs	Moderate	**C**	No works required in current site context.
G2	Alder	*Alnus cordata*	Semi-mature	8	10+	170 avg	No	0.5	See Plan				No visual defects	Single stemmed or Multiple stemmed at base, Vertical, Tight union	Minor deadwood	Linear group at the edge of the drainage channel. Occasional smaller Hawthorn within group.	Good	Good	>40 yrs	Moderate	**C**	No works required in current site context.
T3	Alder	*Alnus cordata*	Semi-mature	8.5	2	180, 160	No	0.5	3	3	2.5	3	No visual defects	Twin stemmed at base, Vertical, Tight union, Stubs	No visual defects		Good	Good	>40 yrs	Low	**C**	No works required in current site context.
T4	Alder	*Alnus cordata*	Semi-mature	7.5	2	140, 70	No	0.5	2.5	2	2.5	2.5	No visual defects	Twin stemmed at base, Vertical	No visual defects		Good	Good	>40 yrs	Low	**C**	No works required in current site context.
T5	Pine	*Pinus sylvestris*	Semi-mature	6	2	160, 130	No	0.5	3	3	2.5	3	No visual defects	Twin stemmed at 1m, Vertical, Tight union	Minor deadwood		Good	Good	>40 yrs	Low	**C**	No works required in current site context.
T6	Alder	*Alnus glutinosa*	Semi-mature	6	4	130, 100, 70, 60	No	0	2.5	2.5	2	3	No visual defects	Multiple stemmed at base, Tight union, Partially included bark	No visual defects	Small Apple at base.	Good	Fair	>40 yrs	Low	**C**	No works required in current site context.

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Tree ID	*Common Name*	*Latin Name*	*Maturity*	*Height (m)*	*Stems*	*Stem Diameter (mm)*	*Estimated*	*Ave Height*	*N*	*E*	*S*	*W*	*Roots*	*Stem*	*Crown*	*Comments*	*Physiological*	*Structural*	*Life Expectancy*	*Amenity*	*Category*	*Works*
G7	Alder	*Alnus glutinosa*	Semi-mature	7	10+	150 avg	No	0.5	See Plan				No visual defects	Single stemmed or Multiple stemmed at base, Vertical, Tight union	No visual defects	Linear group along the edge of the drainage ditch.	Good	Good	>40 yrs	Low	**C**	No works required in current site context.
T8	Alder	*Alnus glutinosa*	Young	5	2	70, 60	No	0.5	1.5	1.5	1.5	1.5	No visual defects	Twin stemmed at base, Vertical, Tight union	No visual defects		Good	Good	>40 yrs	Low	**C**	No works required in current site context.
G9	Beech	*Fagus sylvatica*	Semi-mature	4	10+	50 avg	No	0	See Plan				Soil compaction	Multiple stemmed at 1m, Vertical, Old pruning wounds, Stubs, Epicormic growths, Tight union	Old pruning wounds, Minor deadwood	Overgrown hedge, previously managed at 1.5m. Occasional Elder.	Good	Fair	>40 yrs	Moderate	**C**	No works required in current site context.
G10	Hawthorn	*Crataegus monogyna*	Semi-mature	2.5	10+	40 avg	No	0.5	See Plan				Soil compaction	Multiple stemmed at base, Vertical, Old pruning wounds, Stubs	Old pruning wounds, Minor deadwood	Overgrown hedge, previously managed at 1.5m.	Fair	Fair	>40 yrs	Low	**C**	No works required in current site context.
T11	Leyland Cypress	*X Cuprocyparis leylandii*	Early-mature	10	8	170 avg	Yes	1	4	3	4	4	No visual defects	Multiple stemmed at base, Vertical, Old pruning wounds, Tight union, Partially included bark	Minor deadwood	Inaccessible as growing in neighbouring land.	Good	Fair	20 to 40 yrs	Moderate	**C**	No works required in current site context.

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Tree ID	*Common Name*	*Latin Name*	*Maturity*	*Height (m)*	*Stems*	*Stem Diameter (mm)*	*Estimated*	*Ave Height*	*N*	*E*	*S*	*W*	*Roots*	*Stem*	*Crown*	*Comments*	*Physiological*	*Structural*	*Life Expectancy*	*Amenity*	*Category*	*Works*
T12	Ash	*Fraxinus excelsior*	Early-mature	13	3	410, 390, 340	No	2	5.5	6	5	5.5	Soil compaction	Multiple stemmed at base, Vertical, Old pruning wounds, Stubs, Epicormic growths, Tight union, Partially included bark, Ivy covered	Minor dieback, Moderate deadwood		Fair	Fair	10 to 20 yrs	Moderate	C	No works required in current site context.
G13	Willow	*Salix caprea*	Semi-mature	6	10+	100 avg	No	0.5	See Plan				No visual defects	Multiple stemmed at base, Vertical, Stubs, Tight union	No visual defects	Dense group on bank of drainage channel. Occasional Cherry & Hawthorn.	Good	Fair	>40 yrs	Low	C	No works required in current site context.
G14	Willow	*Salix caprea*	Semi-mature	6	10+	100 avg	No	0.5	See Plan				No visual defects	Multiple stemmed at base, Vertical, Stubs, Tight union	No visual defects	Dense group on bank of drainage channel. Occasional Hazel.	Good	Fair	>40 yrs	Low	C	No works required in current site context.
T15	Willow	*Salix caprea*	Early-mature	7	10+	120 avg	Yes	0.5	4	7.5	5	5.5	Soil erosion	Multiple stemmed at base, Significant lean, Stubs, Bark damage, Tight union	Stubs, Minor deadwood	Growing within the drainage channel. Stems inaccessible due to the dense crown. Several stems have partially failed at the base.	Good	Poor	>40 yrs	Moderate	C	No works required in current site context.

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	Tree Species			Measurements				Crown (m)					Tree Condition							Value		Management
Tree ID	*Common Name*	*Latin Name*	*Maturity*	*Height (m)*	*Stems*	*Stem Diameter (mm)*	*Estimated*	*Ave Height*	*N*	*E*	*S*	*W*	*Roots*	*Stem*	*Crown*	*Comments*	*Physiological*	*Structural*	*Life Expectancy*	*Amenity*	*Category*	*Works*
G16	Poplar	*Populus x canadensis*	Early-mature	17	8	400 avg	Yes	2	See Plan				Limited access around base, Soil compaction	Single stemmed or Multiple stemmed, Slight lean, Bark damage, Tight union	Minor deadwood	3 larger trees with an understory of Blackthorn, Elder, Hawthorn & smaller Poplars. Innaccessible due to earth mounds, dense understory & surrounding vegetation. Limited visibility of lower stems.	Good	Fair	20 to 40 yrs	High	**B**	No works required in current site context.
T17	Poplar	*Populus x canadensis*	Early-mature	17	1	530	No	4	7.5	7.5	5	8	No visual defects	Multiple stemmed at 4m, Vertical, Stubs	Minor deadwood	Surrounded by dense undergrowth & smaller trees.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
G18	Alder, Birch, Hawthorn, Hazel, Poplar, Willow	*Alnus sp. Betula sp. Crataegus sp. Corylus sp. Populus sp. Salix sp.*	Semi-mature	9	10+	160 avg	No	0.5	See Plan				Soil compaction	Single stemmed or Multiple stemmed at base, Vertical, Stubs, Tight union	Old pruning wounds, Minor deadwood	Dense group of young to semi mature trees & shrubs.	Good	Fair	>40 yrs	Moderate	**C**	No works required in current site context.
T19	Poplar	*Populus x canadensis*	Early-mature	17	1	500	Yes	3	4	5	3.5	4.5	Soil compaction	Single stemmed, Vertical, Tight union	Minor deadwood	Inaccessible due to dense surrounding trees.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.

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G20	Alder, Ash, Birch, Blackthorn, Hawthorn, Hazel, Poplar, Willow	*Alnus sp. Fraxinus sp. Betula sp. Prunus sp. Crataegus sp. Corylus sp. Populus sp. Salix sp.*	Semi-mature	12	10+	190 avg	No	0.5	See Plan				Soil compaction	Single stemmed or Multiple stemmed at base, Vertical, Stubs, Tight union	Old pruning wounds, Minor deadwood	Dense group of young to semi mature trees & shrubs. Occasional dead stem.	Good	Good	>40 yrs	Moderate	**C**	No works required in current site context.
T21	Poplar	*Populus x canadensis*	Mature	19	1	640	No	2	4.5	6	5	5.5	Soil compaction	Single stemmed, Vertical, Stubs, Tight union	Minor deadwood	Surrounded by dense smaller trees & shrubs.	Good	Good	20 to 40 yrs	Moderate	**B**	No works required in current site context.
T22	Poplar	*Populus x canadensis*	Early-mature	19	1	460	No	2.5	5	5	2	3	Soil compaction	Single stemmed, Vertical, Stubs, Tight union	Minor deadwood	Surrounded by dense smaller trees & shrubs.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T23	Poplar	*Populus x canadensis*	Early-mature	19	1	570	No	2.5	4.5	5	4	4	Soil compaction	Twin stemmed at 2m, Vertical, Stubs, Tight union	Minor deadwood	Surrounded by dense smaller trees & shrubs.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T24	Poplar	*Populus x canadensis*	Early-mature	19	1	520	No	2.5	6	5	5.5	5	Soil compaction	Single stemmed, Vertical, Stubs, Tight union	Minor deadwood	Surrounded by dense smaller trees & shrubs.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T25	Poplar	*Populus x canadensis*	Early-mature	19	1	520	No	2.5	3.5	6	5	5	Soil compaction	Single stemmed, Vertical, Stubs, Tight union	Minor deadwood	Surrounded by dense smaller trees & shrubs.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.

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T26	Poplar	*Populus x canadensis*	Early-mature	18	1	470	No	2.5	5	5	4	4	Soil compaction	Single stemmed, Vertical, Stubs, Tight union	Minor deadwood	Surrounded by dense smaller trees & shrubs.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T27	Poplar	*Populus x canadensis*	Early-mature	18	1	460	Yes	2.5	4	4.5	4	3	Soil compaction	Single stemmed, Vertical, Stubs, Tight union	Minor deadwood	Surrounded by dense smaller trees & shrubs. Inaccessible due to dense undergrowth.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T28	Poplar	*Populus x canadensis*	Early-mature	18	1	460	Yes	2.5	4	4.5	4	3.5	Soil compaction	Single stemmed, Vertical, Stubs, Tight union	Minor deadwood	Surrounded by dense smaller trees & shrubs. Inaccessible due to dense undergrowth.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T29	Poplar	*Populus x canadensis*	Early-mature	18	1	460	No	2.5	4	4.5	4	3.5	Soil compaction	Single stemmed, Vertical, Stubs, Tight union	Minor deadwood	Surrounded by dense smaller trees & shrubs.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T30	Poplar	*Populus x canadensis*	Early-mature	18	1	460	No	2.5	3	4	4	4	Soil compaction	Single stemmed, Vertical, Stubs, Tight union	Minor deadwood	Surrounded by dense smaller trees & shrubs.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T31	Poplar	*Populus x canadensis*	Early-mature	18	1	480	Yes	2.5	4.5	5.5	5	5	Soil compaction	Single stemmed, Vertical, Stubs, Tight union	Minor deadwood	Surrounded by dense smaller trees & shrubs. Inaccessible due to dense undergrowth.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.

Appendix 3

TREE DATA

	Tree Species			Measurements				Crown (m)					Tree Condition							Value		Management
Tree ID	*Common Name*	*Latin Name*	*Maturity*	*Height (m)*	*Stems*	*Stem Diameter (mm)*	*Estimated*	*Ave Height*	*N*	*E*	*S*	*W*	*Roots*	*Stem*	*Crown*	*Comments*	*Physiological*	*Structural*	*Life Expectancy*	*Amenity*	*Category*	*Works*
T32	Poplar	*Populus x canadensis*	Early-mature	18	1	500	No	2.5	5.5	5.5	4.5	4	Soil compaction	Single stemmed, Vertical, Stubs, Tight union	Minor deadwood	Surrounded by dense smaller trees & shrubs.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T33	Poplar	*Populus x canadensis*	Early-mature	18	1	520	No	2.5	4	4.5	4	4	Soil compaction	Single stemmed, Vertical, Stubs, Tight union	Minor deadwood	Surrounded by dense smaller trees & shrubs.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T34	Poplar	*Populus x canadensis*	Early-mature	18	1	560	No	2.5	5	4.5	5	5.5	Soil compaction	Single stemmed, Vertical, Stubs, Tight union	Minor deadwood	Surrounded by dense smaller trees & shrubs.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T35	Poplar	*Populus x canadensis*	Early-mature	18	1	460	Yes	2.5	4.5	4	5	5	Soil compaction	Single stemmed, Vertical, Stubs, Tight union	Minor deadwood	Surrounded by dense smaller trees & shrubs. Inaccessible due to dense undergrowth.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T36	Poplar	*Populus x canadensis*	Early-mature	18	1	490	Yes	2.5	5.5	5	5.5	5	Soil compaction	Multiple stemmed at 2m, Vertical, Stubs, Tight union	Minor deadwood	Surrounded by dense smaller trees & shrubs. Inaccessible due to dense undergrowth.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T37	Poplar	*Populus x canadensis*	Early-mature	16	1	430	Yes	2.5	4	4.5	4	3	Soil compaction	Single stemmed, Vertical, Stubs, Tight union	Minor deadwood	Surrounded by dense smaller trees & shrubs. Inaccessible due to dense undergrowth.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.

Appendix 3

TREE DATA

	Tree Species			Measurements				Crown (m)					Tree Condition							Value		Management
Tree ID	*Common Name*	*Latin Name*	*Maturity*	*Height (m)*	*Stems*	*Stem Diameter (mm)*	*Estimated*	*Ave Height*	*N*	*E*	*S*	*W*	*Roots*	*Stem*	*Crown*	*Comments*	*Physiological*	*Structural*	*Life Expectancy*	*Amenity*	*Category*	*Works*
T38	Poplar	*Populus x canadensis*	Early-mature	18	1	480	Yes	2.5	6	6	5	5.5	Soil compaction	Single stemmed, Vertical, Stubs, Tight union	Minor deadwood	Surrounded by dense smaller trees & shrubs. Inaccessible due to dense undergrowth.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T39	Poplar	*Populus x canadensis*	Early-mature	18	1	490	No	2.5	4.5	4.5	4.5	3.5	Soil compaction	Single stemmed, Vertical, Stubs, Tight union	Minor deadwood	Surrounded by dense smaller trees & shrubs.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T40	Poplar	*Populus x canadensis*	Early-mature	18	1	570	No	2.5	5.5	5	4	4	Soil compaction	Single stemmed, Vertical, Stubs, Tight union	Minor deadwood	Surrounded by dense smaller trees & shrubs.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T41	Poplar	*Populus x canadensis*	Early-mature	18	1	500	Yes	2.5	4.5	5.5	4.5	4	Soil compaction	Single stemmed, Vertical, Stubs, Tight union	Minor deadwood	Surrounded by dense smaller trees & shrubs. Inaccessible due to dense undergrowth.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T42	Poplar	*Populus x canadensis*	Early-mature	18	1	460	Yes	2.5	5	5	4.5	4	Soil compaction	Single stemmed, Vertical, Stubs, Tight union	Minor deadwood	Surrounded by dense smaller trees & shrubs. Inaccessible due to dense undergrowth.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T43	Poplar	*Populus x canadensis*	Early-mature	18	1	600	No	2.5	5	5.5	4.5	4.5	Soil compaction	Single stemmed, Vertical, Stubs, Tight union	Minor deadwood	Surrounded by dense smaller trees & shrubs.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.

Appendix 3

TREE DATA

	Tree Species			Measurements				Crown (m)					Tree Condition							Value		Management
Tree ID	*Common Name*	*Latin Name*	*Maturity*	*Height (m)*	*Stems*	*Stem Diameter (mm)*	*Estimated*	*Ave Height*	*N*	*E*	*S*	*W*	*Roots*	*Stem*	*Crown*	*Comments*	*Physiological*	*Structural*	*Life Expectancy*	*Amenity*	*Category*	*Works*
T44	Poplar	*Populus x canadensis*	Early-mature	18	1	480	Yes	2.5	4	5	6	3.5	Soil compaction	Single stemmed, Vertical, Stubs, Tight union	Minor deadwood	Surrounded by dense smaller trees & shrubs. Inaccessible due to dense undergrowth.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T45	Poplar	*Populus x canadensis*	Early-mature	16	1	380	Yes	2.5	4	5	4	3.5	Soil compaction	Single stemmed, Vertical, Stubs, Tight union	Minor deadwood	Surrounded by dense smaller trees & shrubs. Inaccessible due to dense undergrowth.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T46	Poplar	*Populus x canadensis*	Early-mature	17	1	420	Yes	2.5	4.5	5	4.5	4.5	Soil compaction	Single stemmed, Vertical, Stubs, Tight union	Minor deadwood	Surrounded by dense smaller trees & shrubs. Inaccessible due to dense undergrowth.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T47	Poplar	*Populus x canadensis*	Early-mature	17	1	460	Yes	2.5	5.5	5	4	4	Soil compaction	Single stemmed, Vertical, Stubs, Tight union	Minor deadwood	Surrounded by dense smaller trees & shrubs. Inaccessible due to dense undergrowth.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T48	Poplar	*Populus x canadensis*	Early-mature	17	1	460	Yes	2.5	5.5	5	4	3.5	Soil compaction	Single stemmed, Vertical, Stubs, Tight union	Minor deadwood	Surrounded by dense smaller trees & shrubs. Inaccessible due to dense undergrowth.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T49	Poplar	*Populus x canadensis*	Early-mature	17	1	480	Yes	2.5	4	4.5	3	4	Soil compaction	Single stemmed, Vertical, Stubs, Tight union	Small / sparse, Moderate deadwood, Snapped / hanging branches	Surrounded by dense smaller trees & shrubs. Inaccessible due to dense undergrowth.	Fair	Fair	20 to 40 yrs	Moderate	**C**	No works required in current site context.

Appendix 3

TREE DATA

	Tree Species			Measurements				Crown (m)					Tree Condition							Value		Management
Tree ID	*Common Name*	*Latin Name*	*Maturity*	*Height (m)*	*Stems*	*Stem Diameter (mm)*	*Estimated*	*Ave Height*	*N*	*E*	*S*	*W*	*Roots*	*Stem*	*Crown*	*Comments*	*Physiological*	*Structural*	*Life Expectancy*	*Amenity*	*Category*	*Works*
T50	Poplar	*Populus x canadensis*	Early-mature	17	1	490	Yes	2.5	4.5	5	5	4	Soil compaction	Single stemmed, Vertical, Stubs, Tight union	Minor deadwood	Surrounded by dense smaller trees & shrubs. Inaccessible due to dense undergrowth.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T51	Poplar	*Populus x canadensis*	Early-mature	17	1	420	Yes	2.5	5	4.5	4.5	4.5	Soil compaction	Single stemmed, Vertical, Stubs, Epicormic growths, Tight union	Minor deadwood	Surrounded by dense smaller trees & shrubs. Inaccessible due to dense undergrowth.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T52	Poplar	*Populus x canadensis*	Early-mature	17	2	450, 350	No	2.5	3.5	5	4.5	4.5	Soil compaction	Twin stemmed at 1.5m, Vertical, Stubs, Epicormic growths, Tight union, Partially included bark	Minor deadwood	Surrounded by dense smaller trees & shrubs.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T53	Poplar	*Populus x canadensis*	Early-mature	17	1	460	Yes	2.5	5	5	4	5	Soil compaction	Single stemmed, Vertical, Stubs, Tight union	Minor deadwood	Surrounded by dense smaller trees & shrubs. Inaccessible due to dense undergrowth.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T54	Poplar	*Populus x canadensis*	Early-mature	17	1	460	Yes	2.5	4	4.5	5	5	Soil compaction	Single stemmed, Vertical, Stubs, Tight union	Minor deadwood	Surrounded by dense smaller trees & shrubs. Inaccessible due to dense undergrowth.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T55	Poplar	*Populus x canadensis*	Early-mature	17	1	400	Yes	2.5	5	5	5	5	Soil compaction	Single stemmed, Vertical, Stubs, Tight union	Minor deadwood	Surrounded by dense smaller trees & shrubs. Inaccessible due to dense undergrowth.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.

Appendix 3

TREE DATA

	Tree Species			Measurements				Crown (m)					Tree Condition							Value		Management
Tree ID	*Common Name*	*Latin Name*	*Maturity*	*Height (m)*	*Stems*	*Stem Diameter (mm)*	*Estimated*	*Ave Height*	*N*	*E*	*S*	*W*	*Roots*	*Stem*	*Crown*	*Comments*	*Physiological*	*Structural*	*Life Expectancy*	*Amenity*	*Category*	*Works*
T56	Poplar	*Populus x canadensis*	Early-mature	16	1	400	Yes	2.5	4.5	5.5	4	4	Soil compaction	Single stemmed, Vertical, Stubs, Tight union	Minor deadwood	Surrounded by dense smaller trees & shrubs. Inaccessible due to dense undergrowth.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T57	Poplar	*Populus x canadensis*	Early-mature	16	1	400	Yes	2.5	4.5	5	4.5	4	Soil compaction	Single stemmed, Vertical, Stubs, Tight union	Minor deadwood	Surrounded by dense smaller trees & shrubs. Inaccessible due to dense undergrowth.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T58	Poplar	*Populus x canadensis*	Early-mature	16	1	430	Yes	2.5	5	5	4	5	Soil compaction	Twin stemmed at 2m, Vertical, Stubs, Tight union	Minor deadwood	Surrounded by dense smaller trees & shrubs. Inaccessible due to dense undergrowth.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T59	Poplar	*Populus x canadensis*	Early-mature	16	1	450	Yes	2.5	5	5.5	5	4	Soil compaction	Single stemmed, Vertical, Stubs, Tight union	Minor deadwood	Surrounded by dense smaller trees & shrubs. Inaccessible due to dense undergrowth.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T60	Poplar	*Populus x canadensis*	Early-mature	16	1	450	No	2.5	4	5	5.5	5	Soil compaction	Single stemmed, Vertical, Stubs, Epicormic growths, Tight union	Minor deadwood	Surrounded by dense smaller trees & shrubs.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
G61	Willow	*Salix viminalis*	Semi-mature	7.5	10+	110 avg	No	0.5	See Plan				No visual defects	Multiple stemmed at base, Slight lean, Old pruning wounds, Stubs, Bark damage, Tight union, Partially included bark	Minor dieback, Minor deadwood		Fair	Fair	20 to 40 yrs	Low	**C**	No works required in current site context.

Appendix 3

TREE DATA

	Tree Species			Measurements				Crown (m)					Tree Condition							Value		Management
Tree ID	*Common Name*	*Latin Name*	*Maturity*	*Height (m)*	*Stems*	*Stem Diameter (mm)*	*Estimated*	*Ave Height*	*N*	*E*	*S*	*W*	*Roots*	*Stem*	*Crown*	*Comments*	*Physiological*	*Structural*	*Life Expectancy*	*Amenity*	*Category*	*Works*
G62	Ash, Birch, Poplar, Willow	*Fraxinus sp. Betula sp. Populus sp. Salix sp.*	Early-mature	15	10+	300 avg	Yes	0	See Plan				No visual defects, Limited access around base	Single stemmed or Multiple stemmed at base, Vertical, Stubs, Bark damage, Tight union	Minor deadwood	Dense inaccessible semi to early mature group situated on an embankment beyond the site boundary. Understory of Blackthorn, Hawthorn, Hazel & various saplings.	Good	Good	>40 yrs	High	**B**	No works required in current site context.
G63	Poplar	*Populus x canadensis*	Early-mature	18	10+	360 avg	No	2	See Plan				Soil erosion	Single stemmed, Vertical, Slight lean, Stubs, Tight union	Minor deadwood	Dense group on embankment beyond site boundary. Approx 2m spacings. Understory of recently planted Ash, Birch & Hawthorn. Occasional snapped stem.	Good	Fair	20 to 40 yrs	High	**B**	No works required in current site context.
G64	Poplar	*Populus tremula*	Semi-mature	14	10+	220 avg	No	0.5	See Plan				No visual defects	Single stemmed or Multiple stemmed, Vertical, Tight union	Minor deadwood	Dense group on embankment beyond site boundary. Occasional Ash, Birch & taller Poplar.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.

Appendix 3

TREE DATA

	Tree Species			Measurements				Crown (m)					Tree Condition							Value		Management
Tree ID	*Common Name*	*Latin Name*	*Maturity*	*Height (m)*	*Stems*	*Stem Diameter (mm)*	*Estimated*	*Ave Height*	*N*	*E*	*S*	*W*	*Roots*	*Stem*	*Crown*	*Comments*	*Physiological*	*Structural*	*Life Expectancy*	*Amenity*	*Category*	*Works*
G65	Poplar	*Populus x canadensis*	Early-mature	18	10+	360 avg	No	2	See Plan				Soil erosion	Single stemmed, Vertical, Slight lean, Stubs, Tight union	Minor deadwood	Dense group on embankment beyond site boundary. Approx 2m spacings. Understory of recently planted Ash, Birch & Hawthorn. Occasional snapped stem.	Good	Fair	20 to 40 yrs	High	**B**	No works required in current site context.
G66	Poplar	*Populus alba*	Early-mature	14	10+	340 avg	No	1.5	See Plan				No visual defects	Multiple stemmed at base, Slight lean, Stubs, Tight union	Moderate deadwood, Snapped / hanging branches	Semi to early mature group situated beyond the site boundary. Occasional Alder & Ash. Dense understory of Elder, Hawthorn, Hazel & various saplings.	Fair	Fair	20 to 40 yrs	Moderate	**B**	No works required in current site context.
T67	Sycamore	*Acer pseudoplatanus*	Early-mature	13	3	380, 370, 280	No	1	2.5	5.5	6	1.5	Soil compaction	Multiple stemmed at base, Significant lean, Old pruning wounds, Epicormic growths, Tight union, Partially included bark, Minor cavities	Minor deadwood		Fair	Fair	20 to 40 yrs	Moderate	**C**	No works required in current site context.

Appendix 3

TREE DATA

	Tree Species			Measurements				Crown (m)					Tree Condition							Value		Management
Tree ID	*Common Name*	*Latin Name*	*Maturity*	*Height (m)*	*Stems*	*Stem Diameter (mm)*	*Estimated*	*Ave Height*	*N*	*E*	*S*	*W*	*Roots*	*Stem*	*Crown*	*Comments*	*Physiological*	*Structural*	*Life Expectancy*	*Amenity*	*Category*	*Works*
T68	Apple	*Malus domestica*	Early-mature	5	1	370	Yes	0.5	4	5.5	4.5	4	No visual defects, Limited access around base	Multiple stemmed at 1m, Vertical, Tight union	Minor deadwood	Stem inaccessible due to dense canopy & surrounding Elder shrubs.	Fair	Fair	>40 yrs	Low	**C**	No works required in current site context.
G69	Hawthorn	*Crataegus monogyna*	Young	3	10+	40 avg	No	0	See Plan				No visual defects	Single stemmed, Vertical	No visual defects	Recently planted, approx 30cm spacings.	Good	Good	>40 yrs	Low	**C**	No works required in current site context.
T70	Poplar	*Populus x canadensis*	Early-mature	19	1	470	No	2.5	4.5	3	4	5	Soil compaction	Single stemmed, Vertical, Epicormic growths, Tight union, Old pruning wounds	Minor deadwood	Growing within recently planted hedgerow.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T71	Poplar	*Populus x canadensis*	Early-mature	19	1	410	No	2.5	3.5	3	4	4	Soil compaction	Single stemmed, Vertical, Epicormic growths, Tight union, Old pruning wounds	Minor deadwood	Growing within recently planted hedgerow.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T72	Poplar	*Populus x canadensis*	Early-mature	19	1	390	No	2.5	2.5	2.5	3.5	3.5	Soil compaction	Single stemmed, Vertical, Epicormic growths, Tight union, Old pruning wounds	Minor deadwood	Growing within recently planted hedgerow.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.

Appendix 3

TREE DATA

	Tree Species			Measurements				Crown (m)					Tree Condition							Value		Management
Tree ID	*Common Name*	*Latin Name*	*Maturity*	*Height (m)*	*Stems*	*Stem Diameter (mm)*	*Estimated*	*Ave Height*	*N*	*E*	*S*	*W*	*Roots*	*Stem*	*Crown*	*Comments*	*Physiological*	*Structural*	*Life Expectancy*	*Amenity*	*Category*	*Works*
T73	Poplar	*Populus x canadensis*	Early-mature	19	1	410	No	2.5	4	2.5	4	3	Soil compaction	Single stemmed, Vertical, Epicormic growths, Tight union, Old pruning wounds	Minor deadwood	Growing within recently planted hedgerow.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T74	Poplar	*Populus x canadensis*	Early-mature	19	1	410	No	2.5	4	2.5	3.5	3	Soil compaction	Single stemmed, Vertical, Epicormic growths, Tight union, Old pruning wounds	Minor deadwood	Growing within recently planted hedgerow.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T75	Poplar	*Populus x canadensis*	Early-mature	19	1	380	No	2.5	4.5	2.5	4	3	Soil compaction	Single stemmed, Vertical, Epicormic growths, Tight union, Old pruning wounds	Minor deadwood	Growing within recently planted hedgerow.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T76	Poplar	*Populus x canadensis*	Early-mature	19	1	390	No	2.5	5	3	3.5	2.5	Soil compaction	Single stemmed, Vertical, Epicormic growths, Tight union, Old pruning wounds	Minor deadwood	Growing within recently planted hedgerow.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T77	Poplar	*Populus x canadensis*	Early-mature	19	1	340	No	2.5	4	3	2.5	3	Soil compaction	Single stemmed, Vertical, Epicormic growths, Tight union, Old pruning wounds	Minor deadwood	Growing within recently planted hedgerow.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.

Appendix 3

TREE DATA

	Tree Species			Measurements				Crown (m)					Tree Condition							Value		Management
Tree ID	*Common Name*	*Latin Name*	*Maturity*	*Height (m)*	*Stems*	*Stem Diameter (mm)*	*Estimated*	*Ave Height*	*N*	*E*	*S*	*W*	*Roots*	*Stem*	*Crown*	*Comments*	*Physiological*	*Structural*	*Life Expectancy*	*Amenity*	*Category*	*Works*
T78	Poplar	*Populus x canadensis*	Early-mature	19	1	450	No	2.5	4.5	3	4	3	Soil compaction	Single stemmed, Vertical, Epicormic growths, Tight union, Old pruning wounds	Minor deadwood	Growing within recently planted hedgerow.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T79	Poplar	*Populus x canadensis*	Early-mature	19	1	430	No	2.5	5	3	4	2.5	Soil compaction	Multiple stemmed at 3m, Vertical, Epicormic growths, Tight union, Old pruning wounds	Minor deadwood	Growing within recently planted hedgerow.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T80	Poplar	*Populus x canadensis*	Early-mature	19	1	430	No	2.5	5	3	4.5	3	Soil compaction	Single stemmed, Vertical, Epicormic growths, Tight union, Old pruning wounds	Minor deadwood	Growing within recently planted hedgerow.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T81	Poplar	*Populus x canadensis*	Early-mature	19	1	450	No	2.5	5.5	2.5	3.5	3	Soil compaction	Single stemmed, Vertical, Epicormic growths, Tight union, Old pruning wounds	Minor deadwood	Growing within recently planted hedgerow.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T82	Poplar	*Populus x canadensis*	Early-mature	19	1	500	No	2.5	5.5	5.5	3.5	2.5	Soil compaction	Single stemmed, Vertical, Epicormic growths, Tight union, Old pruning wounds	Minor deadwood	Growing within recently planted hedgerow.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.

Appendix 3

TREE DATA

	Tree Species			Measurements				Crown (m)					Tree Condition							Value		Management
Tree ID	*Common Name*	*Latin Name*	*Maturity*	*Height (m)*	*Stems*	*Stem Diameter (mm)*	*Estimated*	*Ave Height*	*N*	*E*	*S*	*W*	*Roots*	*Stem*	*Crown*	*Comments*	*Physiological*	*Structural*	*Life Expectancy*	*Amenity*	*Category*	*Works*
T83	Poplar	*Populus canescens*	Early-mature	14	1	520	No	1	6	6	4.5	5.5	No visual defects	Single stemmed, Vertical, Stubs	Minor deadwood		Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T84	Hazel	*Corylus avellana*	Young	4.5	10+	50 avg	No	1	2	2	2	2	No visual defects	Multiple stemmed at base, Vertical, Tight union, Partially included bark	Minor deadwood		Good	Fair	>40 yrs	Low	**C**	No works required in current site context.
T85	Poplar	*Populus x canadensis*	Semi-mature	12	1	290	No	2.5	4	4	2	2.5	Soil compaction	Single stemmed, Slight lean, Stubs, Epicormic growths	50% dead / absent, Small / sparse, Low vigour, Moderate dieback, Moderate deadwood	Unsuitable for retention close to any future development.	Poor	Fair	<10 yrs	Low	**C**	No works required in current site context.
T86	Ash	*Fraxinus excelsior*	Young	5	1	120	No	1	1.5	1	2	2	No visual defects	Single stemmed, Slight lean, Stubs	Small / sparse, Minor dieback, Minor deadwood, Snapped / hanging branches		Fair	Fair	10 to 20 yrs	Low	**C**	No works required in current site context.
T87	Poplar	*Populus x canadensis*	Early-mature	14	1	380	No	2.5	4.5	3	1.5	3	No visual defects	Single stemmed, Slight lean, Epicormic growths, Tight union	Small / sparse, Minor dieback, Minor deadwood		Fair	Fair	20 to 40 yrs	Moderate	**C**	No works required in current site context.
T88	Poplar	*Populus canescens*	Early-mature	14	1	490	No	1	5	4.5	5.5	4.5	No visual defects	Multiple stemmed at 2.5m, Vertical, Tight union	Minor deadwood, Stubs		Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.

Appendix 3

TREE DATA

	Tree Species			Measurements				Crown (m)					Tree Condition							Value		Management
Tree ID	*Common Name*	*Latin Name*	*Maturity*	*Height (m)*	*Stems*	*Stem Diameter (mm)*	*Estimated*	*Ave Height*	*N*	*E*	*S*	*W*	*Roots*	*Stem*	*Crown*	*Comments*	*Physiological*	*Structural*	*Life Expectancy*	*Amenity*	*Category*	*Works*
T89	Hazel	*Corylus avellana*	Young	4.5	10+	50 avg	No	1	2	2	2	2	No visual defects	Multiple stemmed at base, Vertical, Tight union, Partially included bark	Minor deadwood		Good	Fair	>40 yrs	Low	**C**	No works required in current site context.
T90	Poplar	*Populus canescens*	Early-mature	10	1	450	No	1	6	4.5	5.5	5	No visual defects	Multiple stemmed at 2.5m, Vertical, Tight union	Minor deadwood		Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T91	Horse Chestnut	*Aesculus hippocastanum*	Semi-mature	9	1	390	No	1.5	3.5	4.5	4	3.5	No visual defects	Multiple stemmed at 2m, Vertical, Tight union, Partially included bark	Minor deadwood		Good	Fair	>40 yrs	Low	**C**	No works required in current site context.
T92	Sycamore	*Acer pseudoplatanus*	Early-mature	11	1	470	No	1.5	5	3	3.5	4	Soil compaction	Single stemmed, Vertical, Old pruning wounds, Tight union	No visual defects		Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T93	Hazel	*Corylus avellana*	Young	4.5	10+	50 avg	No	1	2.5	2.5	2.5	2.5	No visual defects	Multiple stemmed at base, Vertical, Tight union, Partially included bark	Minor deadwood		Good	Fair	>40 yrs	Low	**C**	No works required in current site context.
T94	Ash	*Fraxinus excelsior*	Early-mature	12	1	470	No	2	4.5	4	3.5	3	Soil compaction	Multiple stemmed at 2m, Old pruning wounds, Epicormic growths, Stubs	Old pruning wounds, Stubs, Minor dieback, Minor deadwood		Fair	Good	20 to 40 yrs	Moderate	**C**	No works required in current site context.

Appendix 3

TREE DATA

	Tree Species			Measurements				Crown (m)					Tree Condition							Value		Management
Tree ID	*Common Name*	*Latin Name*	*Maturity*	*Height (m)*	*Stems*	*Stem Diameter (mm)*	*Estimated*	*Ave Height*	*N*	*E*	*S*	*W*	*Roots*	*Stem*	*Crown*	*Comments*	*Physiological*	*Structural*	*Life Expectancy*	*Amenity*	*Category*	*Works*
T95	Lime	*Tilia cordata*	Semi-mature	7.5	1	280	No	1.5	3.5	3.5	2	3	Soil compaction	Twin stemmed at 2m, Old pruning wounds, Epicormic growths	No visual defects		Good	Fair	>40 yrs	Low	C	No works required in current site context.
T96	Ash	*Fraxinus excelsior*	Semi-mature	8.5	1	220	No	1	4	2.5	2.5	1.5	No visual defects	Multiple stemmed at 2m, Slight lean, Old pruning wounds, Stubs	Small / sparse, Stubs, Minor deadwood, Minor dieback		Fair	Fair	20 to 40 yrs	Low	C	No works required in current site context.
T97	Ash	*Fraxinus excelsior*	Early-mature	12	3	310, 270, 240	No	2	4	4	5	3.5	No visual defects	Multiple stemmed at 1.5m, Vertical, Old pruning wounds, Stubs	Minor dieback, Moderate deadwood, Snapped / hanging branches		Fair	Fair	20 to 40 yrs	Moderate	C	No works required in current site context.
T98	Horse Chestnut	*Aesculus hippocastanum*	Semi-mature	10	1	340	No	1.5	3	2.5	1.5	3	No visual defects	Twin stemmed at 1.5m, Slight lean, Old pruning wounds, Bark damage, Tight union, Partially included bark	Stubs, Minor deadwood		Fair	Good	>40 yrs	Moderate	C	No works required in current site context.
T99	Horse Chestnut	*Aesculus hippocastanum*	Early-mature	12	1	360	No	1.5	3	3.5	3.5	2.5	No visual defects	Multiple stemmed at 2m, Slight lean, Stubs, Tight union	Minor deadwood		Good	Good	>40 yrs	Moderate	C	No works required in current site context.
T100	Horse Chestnut	*Aesculus hippocastanum*	Early-mature	12	2	320, 230	No	1.5	4	3.5	2.5	3.5	No visual defects	Twin stemmed at 1.5m, Multiple stemmed at 2m, Slight lean, Stubs, Tight union	Minor deadwood		Good	Good	>40 yrs	Moderate	C	No works required in current site context.

Appendix 3

TREE DATA

	Tree Species			Measurements				Crown (m)					Tree Condition							Value		Management
Tree ID	*Common Name*	*Latin Name*	*Maturity*	*Height (m)*	*Stems*	*Stem Diameter (mm)*	*Estimated*	*Ave Height*	*N*	*E*	*S*	*W*	*Roots*	*Stem*	*Crown*	*Comments*	*Physiological*	*Structural*	*Life Expectancy*	*Amenity*	*Category*	*Works*
T101	Sycamore	*Acer pseudoplatanus*	Mature	16	1	660	No	3	6.5	4.5	5.5	4.5	Soil compaction	Single stemmed, Vertical, Old pruning wounds, Epicormic growths, Major cavity, Major decay	Small / sparse, Minor deadwood	Major central cavity on northern side of stem from base to 5m. Very limited long term value. Unsuitable close to any future development.	Fair	Poor	<10 yrs	Moderate	**C**	No works required in current site context.
T102	Sycamore	*Acer pseudoplatanus*	Mature	17	1	900	No	2	5.5	5.5	6.5	4.5	Soil compaction	Single stemmed, Vertical, Old pruning wounds, Epicormic growths, Bark damage, Moderate cavity, Minor decay	Minor dieback, Moderate deadwood, Snapped / hanging branches	Moderate historical cavity at 5m from the loss of a large limb.	Fair	Fair	>40 yrs	Moderate	**B**	No works required in current site context.
T103	Holly	*Ilex aquifolium*	Semi-mature	5.5	1	120	No	1.5	1.5	2	2	1.5	No visual defects	Single stemmed, Vertical	Minor deadwood		Fair	Good	>40 yrs	Low	**C**	No works required in current site context.
T104	Lawson Cypress	*Chamaecyparis lawsoniana*	Semi-mature	5.5	1	120	No	1.5	2	1.5	2	2	No visual defects	Single stemmed, Vertical	Minor deadwood		Fair	Good	>40 yrs	Low	**C**	No works required in current site context.

Appendix 3

TREE DATA

	Tree Species			Measurements				Crown (m)					Tree Condition							Value		Management
Tree ID	*Common Name*	*Latin Name*	*Maturity*	*Height (m)*	*Stems*	*Stem Diameter (mm)*	*Estimated*	*Ave Height*	*N*	*E*	*S*	*W*	*Roots*	*Stem*	*Crown*	*Comments*	*Physiological*	*Structural*	*Life Expectancy*	*Amenity*	*Category*	*Works*
T105	Sycamore	*Acer pseudoplatanus*	Mature	16	1	800	Yes	2	5	6	6	5	No visual defects, Limited access around base	Multiple stemmed at 1.5m, Vertical, Stubs, Old pruning wounds, Epicormic growths, Tight union	No visual defects	Situated in inaccessible garden area. Limited visibility of base & lower stem due to boundary hedgerow.	Good	Fair	>40 yrs	High	**B**	No works required in current site context.
G106	Lawson Cypress	*Chamaecyparis lawsoniana*	Semi-mature	2	10+	60 avg	No	0	See Plan				No visual defects	Multiple stemmed at base, Tight union, Stubs	Old pruning wounds, Minor dieback, Minor deadwood	Managed hedge, sparse in sections.	Fair	Fair	>40 yrs	Low	**C**	No works required in current site context.
T107	Cherry	*Prunus sp.*	Early-mature	11	1	620	No	2	4.5	5	5	5.5	No visual defects	Multiple stemmed at 1.5m, Slight lean, Old pruning wounds, Tight union, Partially included bark, Bark damage	Old pruning wounds, Minor deadwood		Fair	Fair	20 to 40 yrs	Moderate	**B**	No works required in current site context.
T108	Cherry	*Prunus sp.*	Semi-mature	9	1	340	No	1.5	3	3.5	3	3.5	No visual defects	Multiple stemmed at 1.5m, Vertical, Bark damage, Tight union, Partially included bark	Old pruning wounds, Stubs, Minor deadwood		Good	Fair	>40 yrs	Moderate	**C**	No works required in current site context.
G109	Hawthorn	*Crataegus monogyna*	Young	3	10+	40 avg	No	0	See Plan				No visual defects	Single stemmed, Vertical	No visual defects	Recently planted, approx 30cm spacings. Sparse in sections.	Good	Good	>40 yrs	Low	**C**	No works required in current site context.

Appendix 3

TREE DATA

	Tree Species			Measurements				Crown (m)					Tree Condition							Value		Management
Tree ID	*Common Name*	*Latin Name*	*Maturity*	*Height (m)*	*Stems*	*Stem Diameter (mm)*	*Estimated*	*Ave Height*	*N*	*E*	*S*	*W*	*Roots*	*Stem*	*Crown*	*Comments*	*Physiological*	*Structural*	*Life Expectancy*	*Amenity*	*Category*	*Works*
T110	Poplar	*Populus x canadensis*	Early-mature	21	1	510	Yes	2.5	7	3.5	6	6.5	Soil compaction	Single stemmed, Vertical, Epicormic growths, Tight union, Old pruning wounds, Stubs	Minor deadwood	Growing within recently planted hedgerow. Inaccessible due to dense undergrowth.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T111	Poplar	*Populus x canadensis*	Early-mature	21	1	430	Yes	2.5	7.5	2.5	6	2.5	Soil compaction	Single stemmed, Vertical, Epicormic growths, Tight union, Old pruning wounds, Stubs	Moderate deadwood	Growing within recently planted hedgerow. Inaccessible due to dense undergrowth.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T112	Poplar	*Populus x canadensis*	Semi-mature	15	1	270	Yes	2.5	2.5	2.5	3	2	Soil compaction	Single stemmed, Vertical, Tight union, Old pruning wounds, Stubs	Minor deadwood	Growing within recently planted hedgerow. Inaccessible due to dense undergrowth.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T113	Poplar	*Populus x canadensis*	Early-mature	21	1	470	Yes	2.5	6.5	2.5	6	3	Soil compaction	Single stemmed, Vertical, Epicormic growths, Tight union, Old pruning wounds, Stubs	Moderate deadwood	Growing within recently planted hedgerow. Inaccessible due to dense undergrowth.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T114	Poplar	*Populus x canadensis*	Early-mature	21	1	420	Yes	2.5	7	2.5	6	2	Soil compaction	Single stemmed, Vertical, Epicormic growths, Tight union, Old pruning wounds, Stubs	Moderate deadwood	Growing within recently planted hedgerow. Inaccessible due to dense undergrowth.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.

Appendix 3

TREE DATA

	Tree Species			Measurements				Crown (m)					Tree Condition							Value		Management
Tree ID	*Common Name*	*Latin Name*	*Maturity*	*Height (m)*	*Stems*	*Stem Diameter (mm)*	*Estimated*	*Ave Height*	*N*	*E*	*S*	*W*	*Roots*	*Stem*	*Crown*	*Comments*	*Physiological*	*Structural*	*Life Expectancy*	*Amenity*	*Category*	*Works*
T115	Poplar	*Populus x canadensis*	Early-mature	21	1	480	Yes	2.5	6	4.5	6	2	Soil compaction	Single stemmed, Vertical, Epicormic growths, Tight union, Old pruning wounds, Stubs	Moderate deadwood	Growing within recently planted hedgerow. Inaccessible due to dense undergrowth.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T116	Poplar	*Populus x canadensis*	Early-mature	21	1	420	Yes	2.5	7	4.5	6	2.5	Soil compaction	Single stemmed, Vertical, Epicormic growths, Tight union, Old pruning wounds, Stubs	Moderate deadwood	Growing within recently planted hedgerow. Inaccessible due to dense undergrowth.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T117	Poplar	*Populus x canadensis*	Semi-mature	17	1	280	Yes	2.5	4	2	2.5	1.5	Soil compaction	Single stemmed, Vertical, Tight union, Old pruning wounds, Stubs	No visual defects	Growing within recently planted hedgerow. Inaccessible due to dense undergrowth.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T118	Poplar	*Populus x canadensis*	Semi-mature	18	1	270	Yes	2.5	3	2	4	2.5	Soil compaction	Single stemmed, Vertical, Tight union, Old pruning wounds, Stubs	No visual defects	Growing within recently planted hedgerow. Inaccessible due to dense undergrowth.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T119	Poplar	*Populus x canadensis*	Early-mature	21	1	530	Yes	2.5	5.5	3	6	3.5	Soil compaction	Twin stemmed at 3.5m, Vertical, Epicormic growths, Tight union, Old pruning wounds, Stubs	Minor deadwood	Growing within recently planted hedgerow. Inaccessible due to dense undergrowth.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.

Appendix 3

TREE DATA

	Tree Species			Measurements				Crown (m)					Tree Condition							Value		Management
Tree ID	*Common Name*	*Latin Name*	*Maturity*	*Height (m)*	*Stems*	*Stem Diameter (mm)*	*Estimated*	*Ave Height*	*N*	*E*	*S*	*W*	*Roots*	*Stem*	*Crown*	*Comments*	*Physiological*	*Structural*	*Life Expectancy*	*Amenity*	*Category*	*Works*
T120	Poplar	*Populus x canadensis*	Early-mature	21	1	470	Yes	2.5	7	3	6	3	Soil compaction	Single stemmed, Vertical, Epicormic growths, Tight union, Old pruning wounds, Stubs	Minor deadwood	Growing within recently planted hedgerow. Inaccessible due to dense undergrowth.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T121	Poplar	*Populus x canadensis*	Early-mature	21	1	500	Yes	2.5	5.5	4.5	6	3	Soil compaction	Single stemmed, Vertical, Epicormic growths, Tight union, Old pruning wounds, Stubs	Minor deadwood	Growing within recently planted hedgerow. Inaccessible due to dense undergrowth.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T122	Poplar	*Populus x canadensis*	Early-mature	21	1	450	Yes	2.5	5	7.5	6	2	Soil compaction	Single stemmed, Vertical, Epicormic growths, Tight union, Old pruning wounds, Stubs	Moderate deadwood	Growing within recently planted hedgerow. Inaccessible due to dense undergrowth.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T123	Poplar	*Populus x canadensis*	Early-mature	21	1	370	Yes	2.5	5	3	6	3.5	Soil compaction	Single stemmed, Vertical, Epicormic growths, Tight union, Old pruning wounds, Stubs	Moderate deadwood	Growing within recently planted hedgerow. Inaccessible due to dense undergrowth.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T124	Poplar	*Populus x canadensis*	Early-mature	21	1	360	Yes	2.5	5	2	6	2	Soil compaction	Single stemmed, Vertical, Epicormic growths, Tight union, Old pruning wounds, Stubs	Moderate deadwood	Growing within recently planted hedgerow. Inaccessible due to dense undergrowth.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.

Appendix 3

TREE DATA

	Tree Species			Measurements				Crown (m)					Tree Condition							Value		Management
Tree ID	*Common Name*	*Latin Name*	*Maturity*	*Height (m)*	*Stems*	*Stem Diameter (mm)*	*Estimated*	*Ave Height*	*N*	*E*	*S*	*W*	*Roots*	*Stem*	*Crown*	*Comments*	*Physiological*	*Structural*	*Life Expectancy*	*Amenity*	*Category*	*Works*
T125	Poplar	*Populus x canadensis*	Early-mature	21	1	390	Yes	2.5	5	5	6	2	Soil compaction	Single stemmed, Vertical, Epicormic growths, Tight union, Old pruning wounds, Stubs	Moderate deadwood	Growing within recently planted hedgerow. Inaccessible due to dense undergrowth.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T126	Poplar	*Populus x canadensis*	Early-mature	21	1	380	Yes	2.5	6	4.5	6	2	Soil compaction	Single stemmed, Vertical, Epicormic growths, Tight union, Old pruning wounds, Stubs	Moderate deadwood	Growing within recently planted hedgerow. Inaccessible due to dense undergrowth.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T127	Poplar	*Populus x canadensis*	Early-mature	21	1	380	Yes	2.5	6	4.5	6	2	Soil compaction	Single stemmed, Vertical, Epicormic growths, Tight union, Old pruning wounds, Stubs	Moderate deadwood	Growing within recently planted hedgerow. Inaccessible due to dense undergrowth.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T128	Poplar	*Populus x canadensis*	Early-mature	21	1	400	Yes	2.5	5	3.5	6	2	Soil compaction	Single stemmed, Vertical, Epicormic growths, Tight union, Old pruning wounds, Stubs	Moderate deadwood	Growing within recently planted hedgerow. Inaccessible due to dense undergrowth.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T129	Poplar	*Populus x canadensis*	Early-mature	21	1	410	Yes	2.5	4.5	3.5	6	2	Soil compaction	Single stemmed, Vertical, Epicormic growths, Tight union, Old pruning wounds, Stubs	Moderate deadwood	Growing within recently planted hedgerow. Inaccessible due to dense undergrowth.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.

Appendix 3

TREE DATA

	Tree Species			Measurements				Crown (m)					Tree Condition							Value		Management
Tree ID	*Common Name*	*Latin Name*	*Maturity*	*Height (m)*	*Stems*	*Stem Diameter (mm)*	*Estimated*	*Ave Height*	*N*	*E*	*S*	*W*	*Roots*	*Stem*	*Crown*	*Comments*	*Physiological*	*Structural*	*Life Expectancy*	*Amenity*	*Category*	*Works*
T130	Poplar	*Populus x canadensis*	Early-mature	21	1	400	Yes	2.5	4.5	5	6	1.5	Soil compaction	Single stemmed, Vertical, Epicormic growths, Tight union, Old pruning wounds, Stubs	Moderate deadwood	Growing within recently planted hedgerow. Inaccessible due to dense undergrowth.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T131	Poplar	*Populus x canadensis*	Early-mature	21	1	340	Yes	2.5	3	2	5	2	Soil compaction	Single stemmed, Vertical, Epicormic growths, Tight union, Old pruning wounds, Stubs	Small / sparse, Moderate deadwood	Growing within recently planted hedgerow. Inaccessible due to dense undergrowth.	Fair	Fair	>40 yrs	Moderate	**B**	No works required in current site context.
T132	Poplar	*Populus x canadensis*	Early-mature	21	1	360	Yes	2.5	3.5	2.5	5	1.5	Soil compaction	Single stemmed, Vertical, Epicormic growths, Tight union, Old pruning wounds, Stubs	Moderate deadwood	Growing within recently planted hedgerow. Inaccessible due to dense undergrowth.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T133	Poplar	*Populus x canadensis*	Early-mature	21	1	380	Yes	2.5	5	3	5	2	Soil compaction	Single stemmed, Vertical, Epicormic growths, Tight union, Old pruning wounds, Stubs	Moderate deadwood	Growing within recently planted hedgerow. Inaccessible due to dense undergrowth.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T134	Poplar	*Populus x canadensis*	Early-mature	21	1	380	Yes	2.5	5	3	5	2	Soil compaction	Single stemmed, Vertical, Epicormic growths, Tight union, Old pruning wounds, Stubs	Moderate deadwood	Growing within recently planted hedgerow. Inaccessible due to dense undergrowth.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.

Appendix 3

TREE DATA

	Tree Species			Measurements				Crown (m)					Tree Condition							Value		Management
Tree ID	*Common Name*	*Latin Name*	*Maturity*	*Height (m)*	*Stems*	*Stem Diameter (mm)*	*Estimated*	*Ave Height*	*N*	*E*	*S*	*W*	*Roots*	*Stem*	*Crown*	*Comments*	*Physiological*	*Structural*	*Life Expectancy*	*Amenity*	*Category*	*Works*
T135	Poplar	*Populus x canadensis*	Early-mature	21	1	430	Yes	2.5	5	3.5	5	2.5	Soil compaction	Single stemmed, Vertical, Epicormic growths, Tight union, Old pruning wounds, Stubs	Moderate deadwood	Growing within recently planted hedgerow. Inaccessible due to dense undergrowth.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T136	Poplar	*Populus x canadensis*	Early-mature	21	1	460	Yes	2.5	4.5	3	5	3	Soil compaction	Single stemmed, Vertical, Epicormic growths, Tight union, Old pruning wounds, Stubs	Moderate deadwood	Growing within recently planted hedgerow. Inaccessible due to dense undergrowth.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T137	Poplar	*Populus x canadensis*	Early-mature	21	1	410	Yes	2.5	3.5	3.5	5	2	Soil compaction	Single stemmed, Vertical, Epicormic growths, Tight union, Old pruning wounds, Stubs	Moderate deadwood	Growing within recently planted hedgerow. Inaccessible due to dense undergrowth.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T138	Poplar	*Populus x canadensis*	Early-mature	21	1	340	Yes	2.5	4	3	5	2.5	Soil compaction	Single stemmed, Vertical, Epicormic growths, Tight union, Old pruning wounds, Stubs	Moderate deadwood	Growing within recently planted hedgerow. Inaccessible due to dense undergrowth.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T139	Poplar	*Populus x canadensis*	Early-mature	21	1	390	Yes	2.5	4.5	3	5	3	Soil compaction	Single stemmed, Vertical, Epicormic growths, Tight union, Old pruning wounds, Stubs	Moderate deadwood	Growing within recently planted hedgerow. Inaccessible due to dense undergrowth.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.

Appendix 3

TREE DATA

	Tree Species			Measurements				Crown (m)					Tree Condition							Value		Management
Tree ID	*Common Name*	*Latin Name*	*Maturity*	*Height (m)*	*Stems*	*Stem Diameter (mm)*	*Estimated*	*Ave Height*	*N*	*E*	*S*	*W*	*Roots*	*Stem*	*Crown*	*Comments*	*Physiological*	*Structural*	*Life Expectancy*	*Amenity*	*Category*	*Works*
T140	Poplar	*Populus x canadensis*	Early-mature	21	1	420	Yes	2.5	5	4	5	2.5	Soil compaction	Single stemmed, Vertical, Epicormic growths, Tight union, Old pruning wounds, Stubs	Moderate deadwood	Growing within recently planted hedgerow. Inaccessible due to dense undergrowth.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T141	Poplar	*Populus x canadensis*	Early-mature	21	1	430	Yes	2.5	5.5	2.5	5	4.5	Soil compaction	Single stemmed, Vertical, Epicormic growths, Tight union, Old pruning wounds, Stubs	Moderate deadwood	Growing within recently planted hedgerow. Inaccessible due to dense undergrowth.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T142	Poplar	*Populus x canadensis*	Early-mature	21	1	460	Yes	2.5	4.5	3	5	4	Soil compaction	Single stemmed, Vertical, Epicormic growths, Tight union, Old pruning wounds, Stubs	Moderate deadwood	Growing within recently planted hedgerow. Inaccessible due to dense undergrowth.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T143	Poplar	*Populus x canadensis*	Early-mature	21	1	420	Yes	2.5	4	4	5	2	Soil compaction	Single stemmed, Vertical, Epicormic growths, Tight union, Old pruning wounds, Stubs	Moderate deadwood	Growing within recently planted hedgerow. Inaccessible due to dense undergrowth.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T144	Poplar	*Populus x canadensis*	Early-mature	21	1	380	Yes	2.5	4.5	3	5	2.5	Soil compaction	Single stemmed, Vertical, Epicormic growths, Tight union, Old pruning wounds, Stubs	Moderate deadwood	Growing within recently planted hedgerow. Inaccessible due to dense undergrowth.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.

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TREE DATA

	Tree Species			Measurements				Crown (m)					Tree Condition							Value		Management
Tree ID	*Common Name*	*Latin Name*	*Maturity*	*Height (m)*	*Stems*	*Stem Diameter (mm)*	*Estimated*	*Ave Height*	*N*	*E*	*S*	*W*	*Roots*	*Stem*	*Crown*	*Comments*	*Physiological*	*Structural*	*Life Expectancy*	*Amenity*	*Category*	*Works*
T145	Poplar	*Populus x canadensis*	Early-mature	21	1	450	Yes	2.5	4.5	5	5	2	Soil compaction	Single stemmed, Vertical, Epicormic growths, Tight union, Old pruning wounds, Stubs	Moderate deadwood	Growing within recently planted hedgerow. Inaccessible due to dense undergrowth.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T146	Poplar	*Populus x canadensis*	Early-mature	21	1	420	Yes	2.5	3	3	4	2	Soil compaction	Single stemmed, Vertical, Epicormic growths, Tight union, Old pruning wounds, Stubs	Small / sparse, Moderate deadwood	Growing within recently planted hedgerow. Inaccessible due to dense undergrowth.	Fair	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T147	Poplar	*Populus x canadensis*	Early-mature	21	1	430	Yes	2.5	5	4.5	5.5	3	Soil compaction	Single stemmed, Vertical, Epicormic growths, Tight union, Old pruning wounds, Stubs	Moderate deadwood	Growing within recently planted hedgerow. Inaccessible due to dense undergrowth.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T148	Poplar	*Populus x canadensis*	Early-mature	21	1	430	Yes	2.5	4	4	5	3.5	Soil compaction	Single stemmed, Vertical, Epicormic growths, Tight union, Old pruning wounds, Stubs	Moderate deadwood	Growing within recently planted hedgerow. Inaccessible due to dense undergrowth.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T149	Poplar	*Populus x canadensis*	Early-mature	21	1	400	Yes	2.5	5	3.5	5	3	Soil compaction	Single stemmed, Vertical, Epicormic growths, Tight union, Old pruning wounds, Stubs	Moderate deadwood	Growing within recently planted hedgerow. Inaccessible due to dense undergrowth.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.

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TREE DATA

	Tree Species			Measurements				Crown (m)					Tree Condition							Value		Management
Tree ID	*Common Name*	*Latin Name*	*Maturity*	*Height (m)*	*Stems*	*Stem Diameter (mm)*	*Estimated*	*Ave Height*	*N*	*E*	*S*	*W*	*Roots*	*Stem*	*Crown*	*Comments*	*Physiological*	*Structural*	*Life Expectancy*	*Amenity*	*Category*	*Works*
T150	Poplar	*Populus x canadensis*	Early-mature	21	1	410	Yes	2.5	5	6	5	3.5	Soil compaction	Single stemmed, Vertical, Epicormic growths, Tight union, Old pruning wounds, Stubs	Moderate deadwood	Growing within recently planted hedgerow. Inaccessible due to dense undergrowth.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
G151	Hawthorn	*Crataegus monogyna*	Young	3	10+	40 avg	No	0	See Plan				No visual defects	Single stemmed, Vertical	No visual defects	Recently planted, approx 30cm spacings. Sparse in sections.	Good	Good	>40 yrs	Low	**C**	No works required in current site context.
T152	Poplar	*Populus x canadensis*	Early-mature	20	1	530	Yes	2	5	5	4	4	Soil compaction	Single stemmed, Vertical, Stubs, Tight union, Old pruning wounds, Epicormic growths	Minor deadwood	Growing within recently planted hedgerow. Inaccessible due to dense undergrowth.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T153	Poplar	*Populus x canadensis*	Early-mature	20	1	490	Yes	2	4	5	3.5	4	Soil compaction	Single stemmed, Vertical, Stubs, Tight union, Old pruning wounds, Epicormic growths	Minor deadwood	Growing within recently planted hedgerow. Inaccessible due to dense undergrowth.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T154	Poplar	*Populus x canadensis*	Early-mature	20	1	540	Yes	2	5	4	4.5	5.5	Soil compaction	Single stemmed, Vertical, Stubs, Tight union, Old pruning wounds, Epicormic growths	Minor deadwood	Growing within recently planted hedgerow. Inaccessible due to dense undergrowth.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.

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TREE DATA

	Tree Species			Measurements				Crown (m)					Tree Condition							Value		Management
Tree ID	*Common Name*	*Latin Name*	*Maturity*	*Height (m)*	*Stems*	*Stem Diameter (mm)*	*Estimated*	*Ave Height*	*N*	*E*	*S*	*W*	*Roots*	*Stem*	*Crown*	*Comments*	*Physiological*	*Structural*	*Life Expectancy*	*Amenity*	*Category*	*Works*
T155	Poplar	*Populus x canadensis*	Early-mature	20	1	470	Yes	2	4	4.5	3.5	3	Soil compaction	Single stemmed, Vertical, Stubs, Tight union, Old pruning wounds, Epicormic growths	Minor deadwood	Growing within recently planted hedgerow. Inaccessible due to dense undergrowth.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T156	Poplar	*Populus x canadensis*	Early-mature	20	1	490	Yes	2	4	4.5	4.5	3.5	Soil compaction	Single stemmed, Vertical, Stubs, Tight union, Old pruning wounds, Epicormic growths	Minor deadwood	Growing within recently planted hedgerow. Inaccessible due to dense undergrowth.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T157	Poplar	*Populus x canadensis*	Early-mature	20	1	520	Yes	2	3.5	4	5	5	Soil compaction	Single stemmed, Vertical, Stubs, Tight union, Old pruning wounds, Epicormic growths	Minor deadwood	Growing within recently planted hedgerow. Inaccessible due to dense undergrowth.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T158	Poplar	*Populus x canadensis*	Early-mature	20	1	460	Yes	2	3.5	4.5	4	4	Soil compaction	Single stemmed, Vertical, Stubs, Tight union, Old pruning wounds, Epicormic growths	Minor deadwood	Growing within recently planted hedgerow. Inaccessible due to dense undergrowth.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T159	Poplar	*Populus x canadensis*	Early-mature	20	1	560	Yes	2	5	5.5	4	4.5	Soil compaction	Single stemmed, Vertical, Stubs, Tight union, Old pruning wounds, Epicormic growths	Minor deadwood	Growing within recently planted hedgerow. Inaccessible due to dense undergrowth.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.

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TREE DATA

	Tree Species			Measurements				Crown (m)					Tree Condition							Value		Management
Tree ID	*Common Name*	*Latin Name*	*Maturity*	*Height (m)*	*Stems*	*Stem Diameter (mm)*	*Estimated*	*Ave Height*	*N*	*E*	*S*	*W*	*Roots*	*Stem*	*Crown*	*Comments*	*Physiological*	*Structural*	*Life Expectancy*	*Amenity*	*Category*	*Works*
T160	Poplar	*Populus x canadensis*	Early-mature	20	1	500	Yes	2	5.5	4.5	3.5	4	Soil compaction	Single stemmed, Vertical, Stubs, Tight union, Old pruning wounds, Epicormic growths	Minor deadwood	Growing within recently planted hedgerow. Inaccessible due to dense undergrowth.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T161	Poplar	*Populus x canadensis*	Early-mature	20	1	510	Yes	2	5.5	4	3.5	3.5	Soil compaction	Single stemmed, Vertical, Stubs, Tight union, Old pruning wounds, Epicormic growths	Minor deadwood	Growing within recently planted hedgerow. Inaccessible due to dense undergrowth.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T162	Poplar	*Populus x canadensis*	Early-mature	20	1	560	Yes	2	5.5	5	3	3.5	Soil compaction	Single stemmed, Vertical, Stubs, Tight union, Old pruning wounds, Epicormic growths	Minor deadwood	Growing within recently planted hedgerow. Inaccessible due to dense undergrowth.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T163	Poplar	*Populus x canadensis*	Early-mature	20	1	520	Yes	2	5	4.5	3.5	4.5	Soil compaction	Single stemmed, Vertical, Stubs, Tight union, Old pruning wounds, Epicormic growths	Minor deadwood	Growing within recently planted hedgerow. Inaccessible due to dense undergrowth.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T164	Poplar	*Populus x canadensis*	Early-mature	20	1	480	Yes	2	5	5	4	4	Soil compaction	Single stemmed, Vertical, Stubs, Tight union, Old pruning wounds, Epicormic growths	Minor deadwood	Growing within recently planted hedgerow. Inaccessible due to dense undergrowth.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.

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TREE DATA

	Tree Species			Measurements				Crown (m)					Tree Condition							Value		Management
Tree ID	*Common Name*	*Latin Name*	*Maturity*	*Height (m)*	*Stems*	*Stem Diameter (mm)*	*Estimated*	*Ave Height*	*N*	*E*	*S*	*W*	*Roots*	*Stem*	*Crown*	*Comments*	*Physiological*	*Structural*	*Life Expectancy*	*Amenity*	*Category*	*Works*
T165	Poplar	*Populus x canadensis*	Early-mature	20	1	530	Yes	2	5	5	4	5	Soil compaction	Single stemmed, Vertical, Stubs, Tight union, Old pruning wounds, Epicormic growths	Minor deadwood	Growing within recently planted hedgerow. Inaccessible due to dense undergrowth.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T166	Poplar	*Populus x canadensis*	Early-mature	20	1	460	Yes	2	5.5	4.5	4.5	3.5	Soil compaction	Single stemmed, Vertical, Stubs, Tight union, Old pruning wounds, Epicormic growths	Minor deadwood	Growing within recently planted hedgerow. Inaccessible due to dense undergrowth.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T167	Poplar	*Populus x canadensis*	Early-mature	20	1	460	Yes	2	5.5	5.5	4	4.5	Soil compaction	Single stemmed, Vertical, Stubs, Tight union, Old pruning wounds, Epicormic growths	Minor deadwood	Growing within recently planted hedgerow. Inaccessible due to dense undergrowth.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T168	Poplar	*Populus x canadensis*	Early-mature	20	1	470	Yes	2	4	4.5	3.5	4	Soil compaction	Single stemmed, Vertical, Stubs, Tight union, Old pruning wounds, Epicormic growths	Minor deadwood	Growing within recently planted hedgerow. Inaccessible due to dense undergrowth.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T169	Poplar	*Populus x canadensis*	Early-mature	20	1	600	No	2	5.5	4	4.5	4	Soil compaction	Single stemmed, Vertical, Stubs, Tight union, Old pruning wounds, Epicormic growths	Minor deadwood	Growing within recently planted hedgerow.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.

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TREE DATA

	Tree Species			Measurements				Crown (m)					Tree Condition							Value		Management
Tree ID	*Common Name*	*Latin Name*	*Maturity*	*Height (m)*	*Stems*	*Stem Diameter (mm)*	*Estimated*	*Ave Height*	*N*	*E*	*S*	*W*	*Roots*	*Stem*	*Crown*	*Comments*	*Physiological*	*Structural*	*Life Expectancy*	*Amenity*	*Category*	*Works*
T170	Poplar	*Populus x canadensis*	Early-mature	20	1	510	Yes	2	4.5	5	4.5	4	Soil compaction	Single stemmed, Vertical, Stubs, Tight union, Old pruning wounds, Epicormic growths	Minor deadwood	Growing within recently planted hedgerow. Inaccessible due to dense undergrowth.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T171	Poplar	*Populus x canadensis*	Early-mature	20	1	540	No	2	5	4	3.5	3.5	Soil compaction	Single stemmed, Vertical, Stubs, Tight union, Old pruning wounds, Epicormic growths	Minor deadwood	Growing within recently planted hedgerow.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T172	Poplar	*Populus x canadensis*	Early-mature	20	1	520	Yes	2	4.5	4	2.5	4	Soil compaction	Single stemmed, Vertical, Stubs, Tight union, Old pruning wounds, Epicormic growths	Minor deadwood	Growing within recently planted hedgerow. Inaccessible due to dense undergrowth.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T173	Poplar	*Populus x canadensis*	Early-mature	20	1	540	No	2	5	3.5	3.5	3.5	Soil compaction	Single stemmed, Vertical, Stubs, Tight union, Old pruning wounds, Epicormic growths	Minor deadwood	Growing within recently planted hedgerow.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T174	Poplar	*Populus x canadensis*	Early-mature	20	1	400	No	2	5	3.5	4	3	Soil compaction	Single stemmed, Vertical, Stubs, Tight union, Old pruning wounds, Epicormic growths	Minor deadwood	Growing within recently planted hedgerow. 'Birds nest' growth form in southern half of crown.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.

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TREE DATA

	Tree Species			Measurements				Crown (m)					Tree Condition							Value		Management
Tree ID	*Common Name*	*Latin Name*	*Maturity*	*Height (m)*	*Stems*	*Stem Diameter (mm)*	*Estimated*	*Ave Height*	*N*	*E*	*S*	*W*	*Roots*	*Stem*	*Crown*	*Comments*	*Physiological*	*Structural*	*Life Expectancy*	*Amenity*	*Category*	*Works*
T175	Poplar	*Populus x canadensis*	Early-mature	20	1	530	Yes	2	4	3.5	4	4	Soil compaction	Single stemmed, Vertical, Stubs, Tight union, Old pruning wounds, Epicormic growths	Minor deadwood	Growing within recently planted hedgerow. Inaccessible due to dense undergrowth.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T176	Poplar	*Populus x canadensis*	Early-mature	20	1	500	Yes	2	4.5	5	4	3.5	Soil compaction	Single stemmed, Vertical, Stubs, Tight union, Old pruning wounds, Epicormic growths	Minor deadwood	Growing within recently planted hedgerow. Inaccessible due to dense undergrowth.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T177	Poplar	*Populus x canadensis*	Early-mature	20	1	470	Yes	2	5	4	4.5	3.5	Soil compaction	Single stemmed, Vertical, Stubs, Tight union, Old pruning wounds, Epicormic growths	Minor deadwood	Growing within recently planted hedgerow. Inaccessible due to dense undergrowth.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T178	Poplar	*Populus x canadensis*	Early-mature	20	1	460	Yes	2	5	4.5	4	3	Soil compaction	Single stemmed, Vertical, Stubs, Tight union, Old pruning wounds, Epicormic growths	Minor deadwood	Growing within recently planted hedgerow. Inaccessible due to dense undergrowth.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T179	Poplar	*Populus x canadensis*	Early-mature	20	1	540	Yes	2	5.5	4.5	4.5	4	Soil compaction	Single stemmed, Vertical, Stubs, Tight union, Old pruning wounds, Epicormic growths	Minor deadwood	Growing within recently planted hedgerow. Inaccessible due to dense undergrowth.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.

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TREE DATA

	Tree Species			Measurements				Crown (m)					Tree Condition							Value		Management
Tree ID	*Common Name*	*Latin Name*	*Maturity*	*Height (m)*	*Stems*	*Stem Diameter (mm)*	*Estimated*	*Ave Height*	*N*	*E*	*S*	*W*	*Roots*	*Stem*	*Crown*	*Comments*	*Physiological*	*Structural*	*Life Expectancy*	*Amenity*	*Category*	*Works*
T180	Poplar	*Populus x canadensis*	Early-mature	20	1	480	Yes	2	5.5	4.5	4	3.5	Soil compaction	Single stemmed, Vertical, Stubs, Tight union, Old pruning wounds, Epicormic growths	Minor deadwood	Growing within recently planted hedgerow. Inaccessible due to dense undergrowth.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T181	Poplar	*Populus x canadensis*	Early-mature	20	1	500	Yes	2	5.5	4.5	4	4.5	Soil compaction	Single stemmed, Vertical, Stubs, Tight union, Old pruning wounds, Epicormic growths	Minor deadwood	Growing within recently planted hedgerow. Inaccessible due to dense undergrowth.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T182	Poplar	*Populus x canadensis*	Early-mature	20	1	520	No	2	5	5	4	3.5	Soil compaction	Single stemmed, Vertical, Stubs, Tight union, Old pruning wounds, Epicormic growths	Minor deadwood	Growing within recently planted hedgerow. Inaccessible due to dense undergrowth.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T183	Poplar	*Populus x canadensis*	Early-mature	20	1	430	No	2	5	4.5	4.5	4	Soil compaction	Single stemmed, Vertical, Stubs, Tight union, Old pruning wounds, Epicormic growths	Minor deadwood	Growing within recently planted hedgerow.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T184	Poplar	*Populus x canadensis*	Early-mature	20	1	430	Yes	2	4	4	4.5	3.5	Soil compaction	Single stemmed, Vertical, Stubs, Tight union, Old pruning wounds, Epicormic growths	Minor deadwood	Growing within recently planted hedgerow. Inaccessible due to dense undergrowth.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.

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TREE DATA

	Tree Species			Measurements				Crown (m)					Tree Condition							Value		Management
Tree ID	*Common Name*	*Latin Name*	*Maturity*	*Height (m)*	*Stems*	*Stem Diameter (mm)*	*Estimated*	*Ave Height*	*N*	*E*	*S*	*W*	*Roots*	*Stem*	*Crown*	*Comments*	*Physiological*	*Structural*	*Life Expectancy*	*Amenity*	*Category*	*Works*
T185	Poplar	*Populus x canadensis*	Early-mature	20	1	520	Yes	2	6	5.5	4	5	Soil compaction	Single stemmed, Vertical, Stubs, Tight union, Old pruning wounds, Epicormic growths	Minor deadwood	Growing within recently planted hedgerow. Inaccessible due to dense undergrowth.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T186	Poplar	*Populus x canadensis*	Early-mature	20	1	540	Yes	2	5.5	5.5	5	4	Soil compaction	Single stemmed, Vertical, Stubs, Tight union, Old pruning wounds, Epicormic growths	Minor deadwood	Growing within recently planted hedgerow. Inaccessible due to dense undergrowth.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T187	Poplar	*Populus x canadensis*	Early-mature	20	1	570	Yes	2	6	5.5	4.5	5	Soil compaction	Single stemmed, Vertical, Stubs, Tight union, Old pruning wounds, Epicormic growths	Minor deadwood	Growing within recently planted hedgerow. Inaccessible due to dense undergrowth.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T188	Poplar	*Populus x canadensis*	Early-mature	20	1	530	Yes	2	6	5	4	5	Soil compaction	Single stemmed, Vertical, Stubs, Tight union, Old pruning wounds, Epicormic growths	Minor deadwood	Growing within recently planted hedgerow. Inaccessible due to dense undergrowth.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T189	Poplar	*Populus x canadensis*	Early-mature	20	1	590	Yes	2	6.5	5.5	4.5	5	Soil compaction	Single stemmed, Vertical, Stubs, Tight union, Old pruning wounds, Epicormic growths	Minor deadwood	Growing within recently planted hedgerow. Inaccessible due to dense undergrowth.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.

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TREE DATA

	Tree Species			Measurements				Crown (m)					Tree Condition							Value		Management
Tree ID	*Common Name*	*Latin Name*	*Maturity*	*Height (m)*	*Stems*	*Stem Diameter (mm)*	*Estimated*	*Ave Height*	*N*	*E*	*S*	*W*	*Roots*	*Stem*	*Crown*	*Comments*	*Physiological*	*Structural*	*Life Expectancy*	*Amenity*	*Category*	*Works*
T190	Poplar	*Populus x canadensis*	Early-mature	20	1	510	Yes	2	6	5	3.5	5.5	Soil compaction	Single stemmed, Vertical, Stubs, Tight union, Old pruning wounds, Epicormic growths	Minor deadwood	Growing within recently planted hedgerow. Inaccessible due to dense undergrowth.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T191	Poplar	*Populus x canadensis*	Early-mature	20	1	550	Yes	2	5.5	5	4.5	5.5	Soil compaction	Single stemmed, Vertical, Stubs, Tight union, Old pruning wounds, Epicormic growths	Minor deadwood	Growing within recently planted hedgerow. Inaccessible due to dense undergrowth.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T192	Poplar	*Populus x canadensis*	Early-mature	20	1	570	Yes	2	6	5.5	5	5	Soil compaction	Single stemmed, Vertical, Stubs, Tight union, Old pruning wounds, Epicormic growths	Minor deadwood	Growing within recently planted hedgerow. Inaccessible due to dense undergrowth.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T193	Poplar	*Populus x canadensis*	Early-mature	20	1	480	Yes	2	5.5	4.5	4	4	Soil compaction	Single stemmed, Vertical, Stubs, Tight union, Old pruning wounds, Epicormic growths	Minor deadwood	Growing within recently planted hedgerow. Inaccessible due to dense undergrowth.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.
T194	Poplar	*Populus x canadensis*	Early-mature	20	1	560	Yes	2	5.5	4	3.5	5	Soil compaction	Single stemmed, Vertical, Stubs, Tight union, Old pruning wounds, Epicormic growths	Minor deadwood	Growing within recently planted hedgerow. Inaccessible due to dense undergrowth.	Good	Good	>40 yrs	Moderate	**B**	No works required in current site context.

Appendix 3

TREE DATA

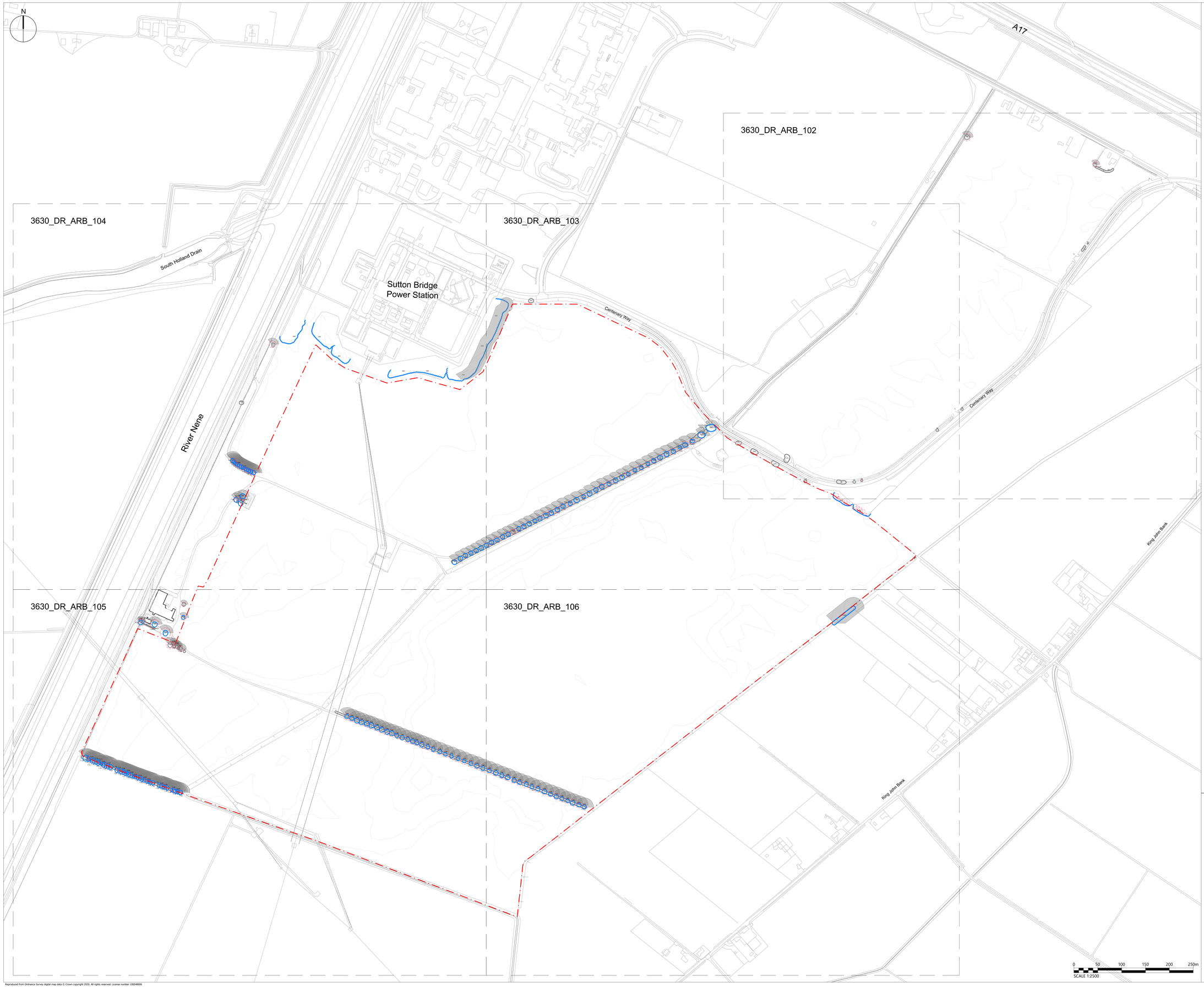
	Tree Species			Measurements				Crown (m)					Tree Condition							Value		Management
Tree ID	*Common Name*	*Latin Name*	*Maturity*	*Height (m)*	*Stems*	*Stem Diameter (mm)*	*Estimated*	*Ave Height*	*N*	*E*	*S*	*W*	*Roots*	*Stem*	*Crown*	*Comments*	*Physiological*	*Structural*	*Life Expectancy*	*Amenity*	*Category*	*Works*
G195	Poplar	*Populus nigra 'Italica'*	Early-mature	23	10+	430 avg	No	1	See Plan				No visual defects	Single stemmed or Twin stemmed at base, Vertical, Epicormic growths, Stubs, Tight union, Partially included bark, Minor cavities	Small / sparse, Moderate deadwood	Linear group at the edge of a drainage channel beyond the site. Average 2m spacings. Occasional smaller White Poplar & Willow.	Good	Fair	20 to 40 yrs	Moderate	**B**	No works required in current site context.
G196	Poplar	*Populus x canadensis*	Early-mature	17	10+	300 avg	No	2.5	See Plan				Soil compaction	Single stemmed, Vertical, Slight lean, Stubs, Bark damage, Tight union, Epicormic growths	Small / sparse, Moderate deadwood	Larger Poplars, generally to the south of the group, surrounded by smaller Aspen & White Poplar, & the occasional Ash, Birch & Willow. Occasional snapped stem. Southernmost stems measured individually.	Good	Fair	20 to 40 yrs	Moderate	**B**	No works required in current site context.
G197	Poplar	*Populus alba*	Early-mature	15	10+	300 avg	No	2	See Plan				Soil compaction	Single stemmed or Multiple stemmed, Slight lean, Old pruning wounds, Stubs, Epicormic growths	Moderate deadwood, Snapped / hanging branches	Occasional Aspen. Understory of smaller Ash, Birch & Willow. Southernmost stems measured individually.	Fair	Fair	20 to 40 yrs	Moderate	**B**	No works required in current site context.

Appendix 3

TREE DATA

	Tree Species			Measurements				Crown (m)					Tree Condition							Value		Management
Tree ID	*Common Name*	*Latin Name*	*Maturity*	*Height (m)*	*Stems*	*Stem Diameter (mm)*	*Estimated*	*Ave Height*	*N*	*E*	*S*	*W*	*Roots*	*Stem*	*Crown*	*Comments*	*Physiological*	*Structural*	*Life Expectancy*	*Amenity*	*Category*	*Works*
T198	Willow	*Salix fragilis*	Semi-mature	7	10+	60 avg	No	0.5	3	3.5	3	3	No visual defects	Multiple stemmed at base, Vertical, Tight union, Stubs	Minor deadwood		Good	Fair	>40 yrs	Low	**C**	No works required in current site context.

APPENDIX 4: TREE CONSTRAINTS PLANS



KEY

- Planning Application Boundary
- **Category B tree as defined by BS5837:2012** MODERATE Quality/ value
- **Category C tree as defined by BS5837:2012** LOW Quality/ value
- **RPA** (Root protection area)
- **Estimated Tree Shadow**

REVISION SCHEDULE

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PROJECT: Sutton Bridge Solar Development

TITLE: Tree Constraints plan (1 of 6)

CLIENT: EDF Energy Renewables

DATE: 03.09.2020 SCALE: 1:2500@A0

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N

T12
T11
G10
G9
T8
G7
T6
T5
Centenary Way
T15
G14
Centenary Way
G13
G1
T16
G2
T3
T4
G12

KEY

- Planning Application Boundary
- **Category B tree as defined by BS5837:2012** MODERATE Quality/ value
- **Category C tree as defined by BS5837:2012** LOW Quality/ value
- **RPA** (Root protection area)
- **Estimated Tree Shadow**

0 10 20 30 40 50 60 70 80 90 100m

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TITLE: Tree Constraints plan (2 of 6)

CLIENT: EDF Energy Renewables

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KEY

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- **Category B tree as defined by BS5837:2012** MODERATE Quality/ value
- **Category C tree as defined by BS5837:2012** LOW Quality/ value
- **RPA** (Root protection area)
- **Estimated Tree Shadow**

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PROJECT: Sutton Bridge Solar Development

TITLE: Tree Constraints plan (3 of 6)

CLIENT: EDF Energy Renewables

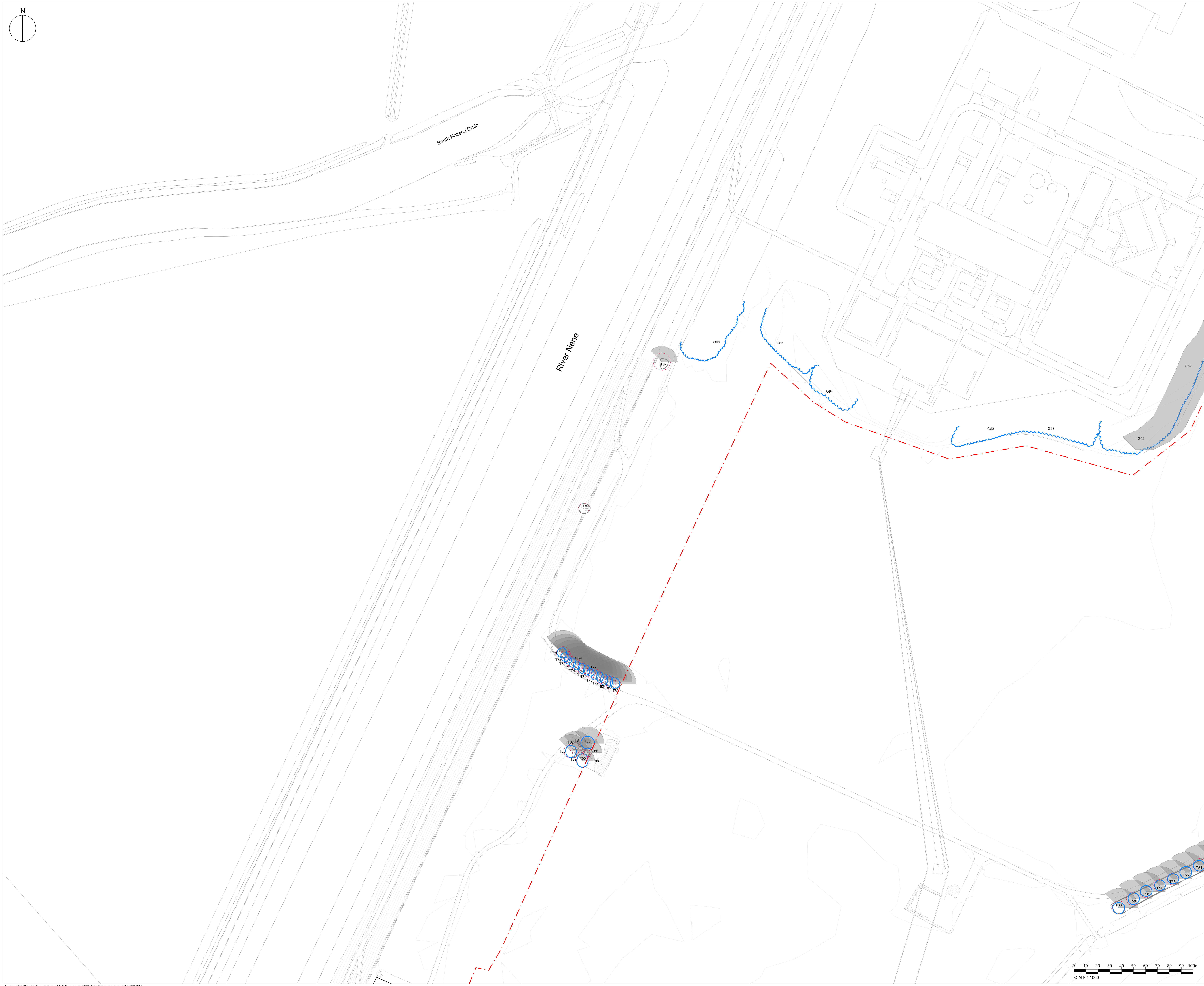
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KEY

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- **Category C tree as defined by BS5837:2012** LOW Quality/ value
- **RPA** (Root protection area)
- **Estimated Tree Shadow**

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PROJECT: Sutton Bridge Solar Development

TITLE: Tree Constraints plan (4 of 6)

CLIENT: EDF Energy Renewables

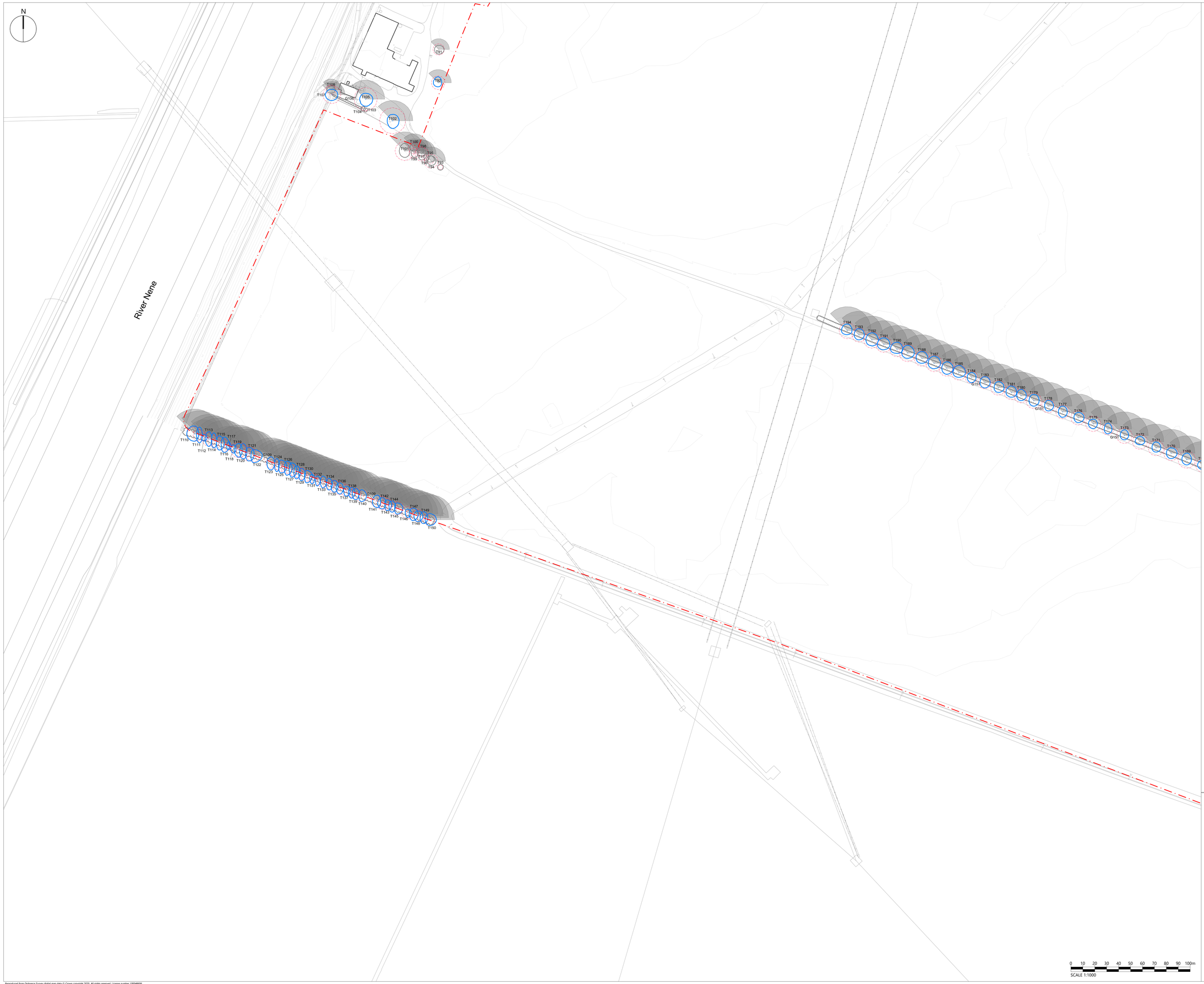
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KEY

- Planning Application Boundary
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- **Category C tree as defined by BS5837:2012** LOW Quality/ value
- **RPA** (Root protection area)
- **Estimated Tree Shadow**

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TITLE: Tree Constraints plan (5 of 6)

CLIENT: EDF Energy Renewables

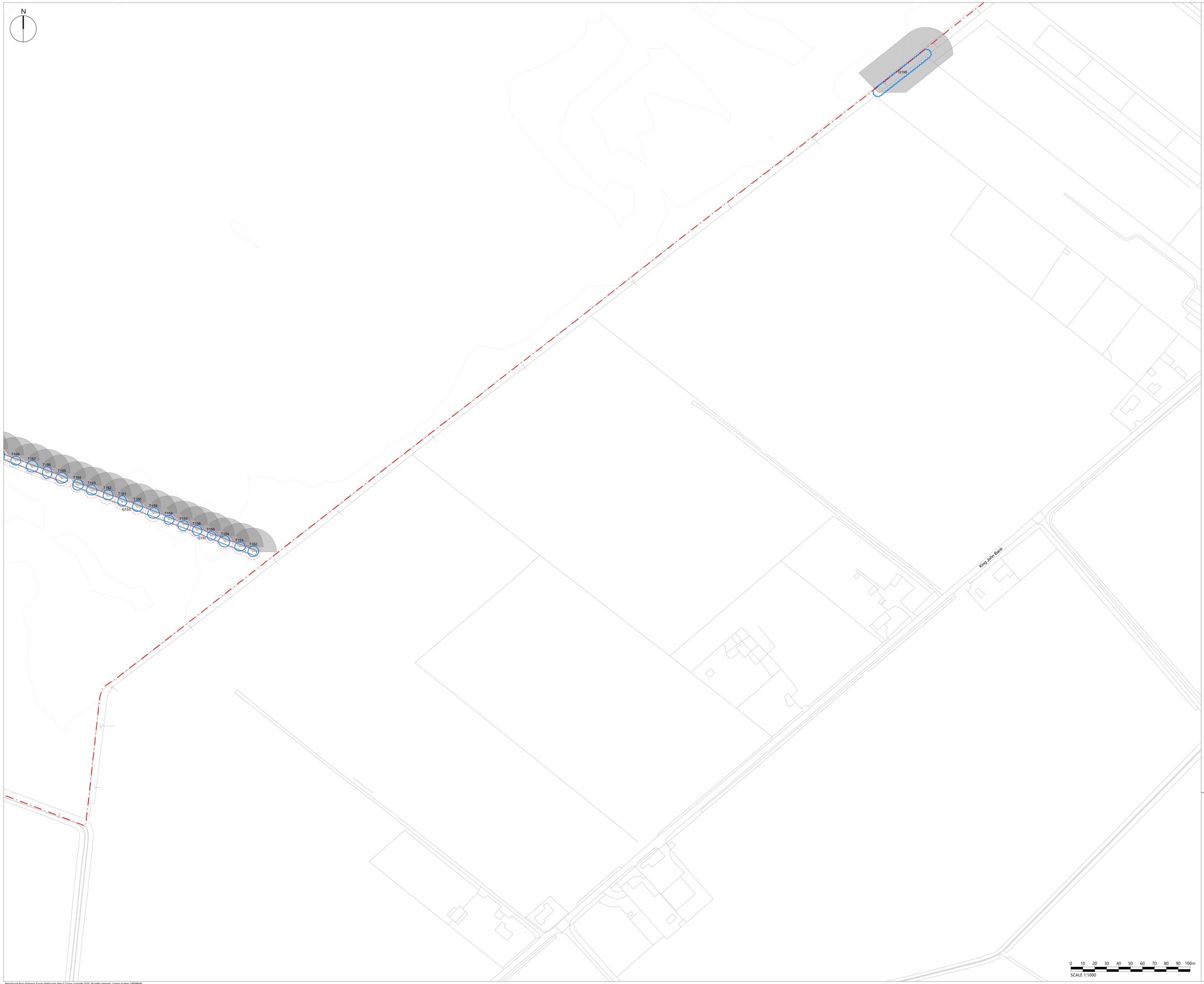
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KEY

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- **Category C tree as defined by BS5837:2012** LOW Quality/ value
- **RPA** (Root protection area)
- **Estimated Tree Shadow**

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TITLE: Tree Constraints plan (6 of 6)

CLIENT: EDF Energy Renewables

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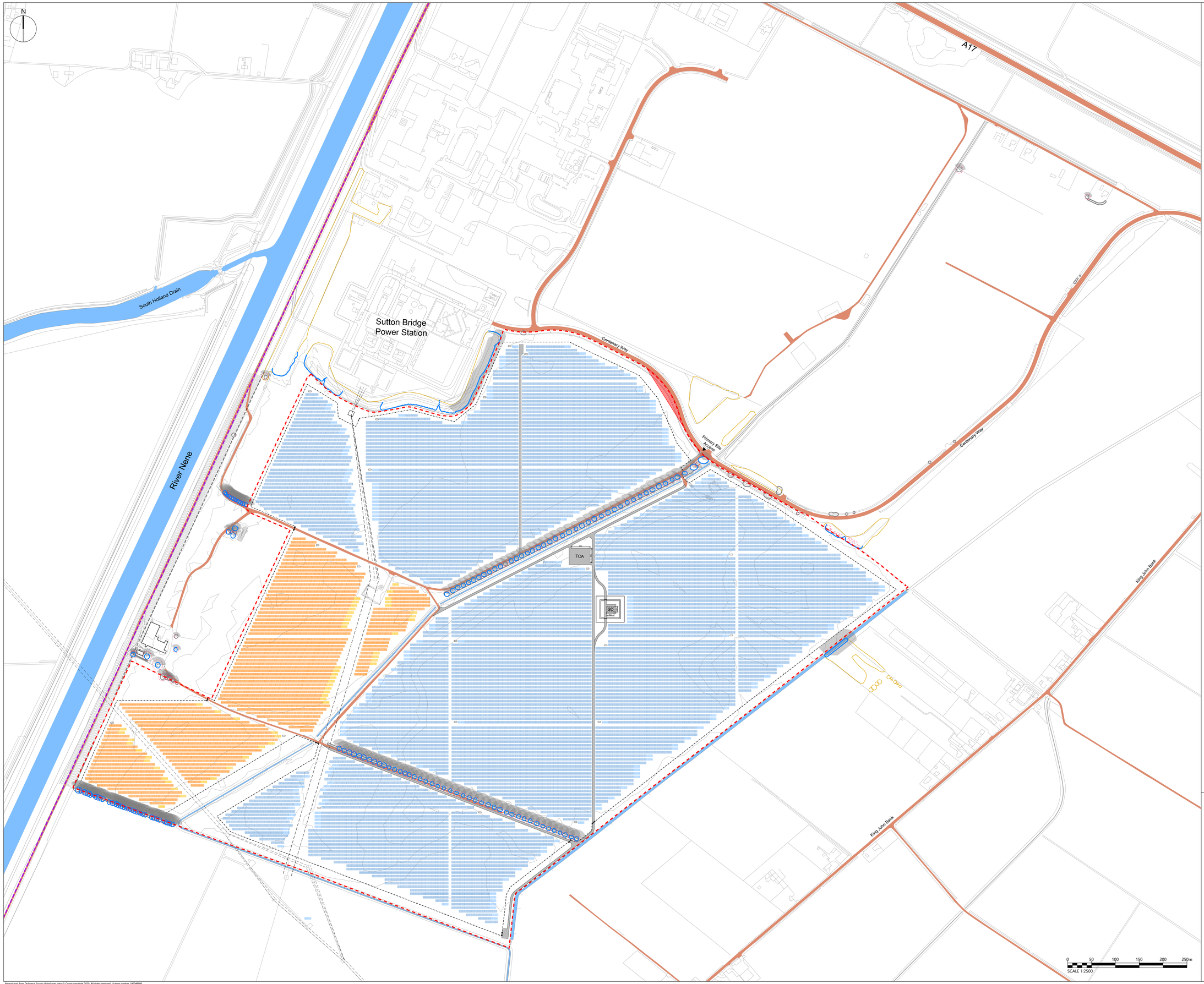
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APPENDIX 5: DRAWING 3630_DR_LAN_100 'SITE LAYOUT PLAN'



KEY

Planning Application Boundary

EXISTING FEATURES

Existing Track To Be Retained

Existing Public Rights of Way

Category B tree to be retained as defined by BS5837:2012
MODERATE Quality/ value
For tree numbers refer to Appendix 4 of the Arboricultural Survey

Category C tree to be retained as defined by BS5837:2012
LOW Quality/ value
For tree numbers refer to Appendix 4 of the Arboricultural Survey

RPA (Root protection area)

Estimated Tree Shadow

Existing Tree To Be Retained (Uncategorised)

Existing Tree To Be Removed

Visibility Splay - All vegetation to be maintained at a maximum height of 0.26m to allow clear visibility.
(For Highways details refer to drawing 3630-DR-ALR-0002 Site Access, Visibility Splay Assessment)

Existing Watercourse

Existing Overhead Cable

PROPOSED FEATURES

Proposed Track

Proposed Fence

Proposed Gate

Proposed 12unit Solar Panel
(Base of panel 0.8m above ground level. Panel height up to 3m)

Proposed 24unit Solar Panel
(Base of panel 0.8m above ground level. Panel height up to 3m)

Proposed 12unit Solar Panel raised by 0.5m.
(Base of panel 1.3m above ground level. Panel height up to 3.5m)

Proposed 24unit Solar Panel raised by 0.5m.
(Base of panel 1.3m above ground level. Panel height up to 3.5m)

Proposed MV Power Station (Maximum height of 3m)

Proposed MV Power Station - MVPS to be raised between up to 0.7m above ground level (Maximum height of 3.5m)

SC

Proposed Substation Compound - Proposed bund to wrap around substation compound area.

TCA

Proposed Temporary Compound Area

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REVISION SCHEDULE

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PROJECT: Sutton Bridge Solar Development

TITLE: Site Layout Plan

CLIENT: EDF Energy Renewables

DATE: 30.06.20 SCALE: 1:2500@A0

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