

TREE SURVEY SCHEDULE (BS5837: 2012)

TREE SOLUTIONS

Site	YARDLEY ROAD SOLAR FARM					Surveyor	RUSSELL REARCE					Page 4 of 4				
Client	ATMOS CONSULTING					Assessment Dates	17-Apr-25									
Brief	ARBORICULTURAL IMPACT ASSESSMENT					Viewing Conditions	CLEAR									
* Tree not on topo, indicatively plotted					# Tree located off site with no access to survey					Job Reference	25/AIA/MKCC/01					

Tree/Group/ Woodland Number	Name	Age	Height (m)	Crown clear	North	East	South	West	Diameter (mm)	Vitality	Comments	E.R.C	Management	Category	RPA (m)	RPA (m²)
H13	Hawthorn, Blackthorn, Ash, Field Maple & Elder	Y to EM	3 to 6	0	2	2	2	2	130	Good to Poor	Scrubby low value groups with some gaps. Tree in varying conditions - no significant issues. Some standing deadwood.	10+	Recommend removing standing deadwood if targets introduced.	C2	1.5	7.5
H14	Hawthorn and Blackthorn	SM to EM	3	0	1.5	1.5	1.5	1.5	100	Good	Lapsed layed hedgerow. Previously topped at 1.5m. DBH estimated avg. Interspersed with Elder.	20+	No action required	B2	1	4.5
H15	Hawthorn	SM to EM	2 to 4	0	2	2	2	2	130	Good	Moderate structure. Lapsed layed hedgerow. Sycamore interspersed within group.	20+	No action required	B2	1.5	7.5
H16	Hawthorn	EM to M	2	0	1.25	1.25	1.25	1.25	130	Good	Moderate structure. Well maintained layed hedgerow.	20+	No action required	B2	1.5	7.5
H17	Hawthorn	Y to SM	4	0	1	1	1	1	110	Good	Good to Fair structure. Planted hedgerow - flailed back on either side.	20+	No action required	B2	1.5	5.5
H18	Hawthorn & Blackthorn	Y to EM	2	0	1	1	1	1	100	Good	Good to Fair structure. Well maintained planted hedgerow.	20+	No action required	B2	1	4.5

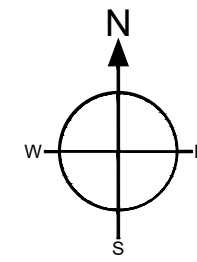
GRID CONNECTION

1T1	Black Pine	SM	13	2	4	4	5	4	490	Good	Good form and vitality. Single straight stem. Open balanced crown.	20+	No action required	B1	6	110
1G1	Field Maple, Wild Cherry & Ash	SM	12 to 14	2	4	4	4	4	270	Good to Moderate	Good form and vitality. Open balanced crowns. Ash trees x2 with reduced vitality.	20+	No action required	B2	3	33
1G2	Field Maple, Horse Chestnut, Ash, Sycamore, Willow & Cypress	SM	7 to 12	2	5	5	5	5	380	Good	Limited access - dense vegetation. Good form and vitality. Approx x20 trees. No significant defects noted.	20+	No action required	B2	4.5	65
1G3	Field Maple, Ash, Wild Cherry & Norway Maple	SM	10 to 13	1	5	5	5	5	330	Good to Moderate	Good form and vitality. Open balanced crowns. Ash trees x2 with slightly reduced vitality.	20+	No action required	B2	4	50
1G4	Field Maple and x1 Horse Chestnut	SM	8 to 12	1	4	4	4	4	270	Good	Good form and vitality. Open balanced crowns.	20+	No action required	B2	3	33
1G5	Field Maple, Horse Chestnut, Sycamore, Hazel & Hawthorn	Y to SM	2 to 6	0	2	2	2	2	80	Good to Poor	Scrubby suppressed dense understory group. Low value - provides screening.	10+	Recommend 50% thinning in favour of healthy well formed trees.	C2	1	3

Table 1 Cascade chart for tree quality assessment

Category and definition	Criteria (including subcategories where appropriate)			Identification on plan
Trees unsuitable for retention (see Note)				
Category U Those in such a condition that they cannot realistically be retained as living trees in the context of the current land use for longer than 10 years	- Trees that have a serious, irremediable, structural defect, such that their early loss is expected due to collapse, including those that will become unviable after removal of other category U trees (e.g. where, for whatever reason, the loss of companion shelter cannot be mitigated by pruning) - Trees that are dead or are showing signs of significant, immediate, and irreversible overall decline - Trees infected with pathogens of significance to the health and/or safety of other trees nearby, or very low quality trees suppressing adjacent trees of better quality <i>NOTE Category U trees can have existing or potential conservation value which it might be desirable to preserve; see 4.5.7.</i>			See Table 2
	1 Mainly arboricultural qualities	2 Mainly landscape qualities	3 Mainly cultural values, including conservation	
Trees to be considered for retention				
Category A Trees of high quality with an estimated remaining life expectancy of at least 40 years	Trees that are particularly good examples of their species, especially if rare or unusual; or those that are essential components of groups or formal or semi-formal arboricultural features (e.g. the dominant and/or principal trees within an avenue)	Trees, groups or woodlands of particular visual importance as arboricultural and/or landscape features	Trees, groups or woodlands of significant conservation, historical, commemorative or other value (e.g. veteran trees or wood-pasture)	See Table 2
Category B Trees of moderate quality with an estimated remaining life expectancy of at least 20 years	Trees that might be included in category A, but are downgraded because of impaired condition (e.g. presence of significant though remediable defects, including unsympathetic past management and storm damage), such that they are unlikely to be suitable for retention for beyond 40 years; or trees lacking the special quality necessary to merit the category A designation	Trees present in numbers, usually growing as groups or woodlands, such that they attract a higher collective rating than they might as individuals; or trees occurring as collectives but situated so as to make little visual contribution to the wider locality	Trees with material conservation or other cultural value	See Table 2
Category C Trees of low quality with an estimated remaining life expectancy of at least 10 years, or young trees with a stem diameter below 150 mm	Unremarkable trees of very limited merit or such impaired condition that they do not qualify in higher categories	Trees present in groups or woodlands, but without this conferring on them significantly greater collective landscape value; and/or trees offering low or only temporary/transient landscape benefits	Trees with no material conservation or other cultural value	See Table 2

Appendix Two
Preliminary Tree Constraints Plan



Legend

Root Protection Area
Modified to Account for
Site Features

Category A (High Quality)
Category B (Moderate Quality)
Category C (Low Quality)
Category D (Dead/Dying/In Decline)

Crown Spread
Tree Number

Root Protection Area

NOTE: All tree group numbers marked with an # had limited access, estimated dimensions.

Client: Atmos Consulting

Project: Yardley Road Solar Farm

Title: Preliminary Tree Constraints Plan

Scale: 1:1000@A0

Date: April 2025

Drawn By: AM

Revision: ---

Job Ref: 25/AIAM/KCC/01

Drawing No: 01

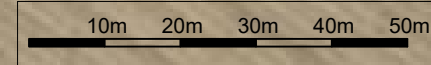
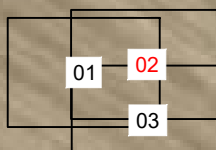
Do not scale from this drawing all dimensions to be checked on site.

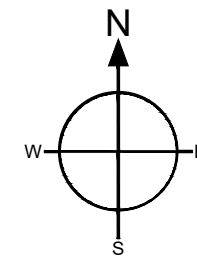
The copyright of this document resides with Tree Solutions Ltd unless assigned in writing by the company.

TREE SOLUTIONS

E: info@tree-solutions.co.uk T: 07766 774500

Drawing Sheets:





Legend

Root Protection Area
Modified to Account for
Site Features

Category A
(High Quality)

Category B
(Moderate Quality)

Category C
(Low Quality)

Category D
(Dead/Dying/In Decline)

Crown
Spread

Tree
Number

Root
Protection
Area

NOTE: All tree/ground/ridge locations are approximate.

NOTE: Tree/ground numbers marked with an # had limited access, estimated dimensions.

Client:

Almos Consulting

Project:

Yardley Road Solar Farm

Title:

Preliminary Tree Constraints Plan

Scale:

1:1000@A0

Date:

April 2025

Drawn By:

AM

Revision:

Job Ref:

25AIA/MKCC01

Drawing No:

01

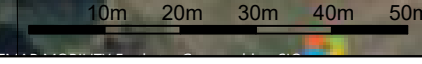
Do not scale from this drawing all dimensions to be checked on site.

The copyright of this document resides with Tree Solutions Ltd unless assigned in writing by the company.

TREE SOLUTIONS

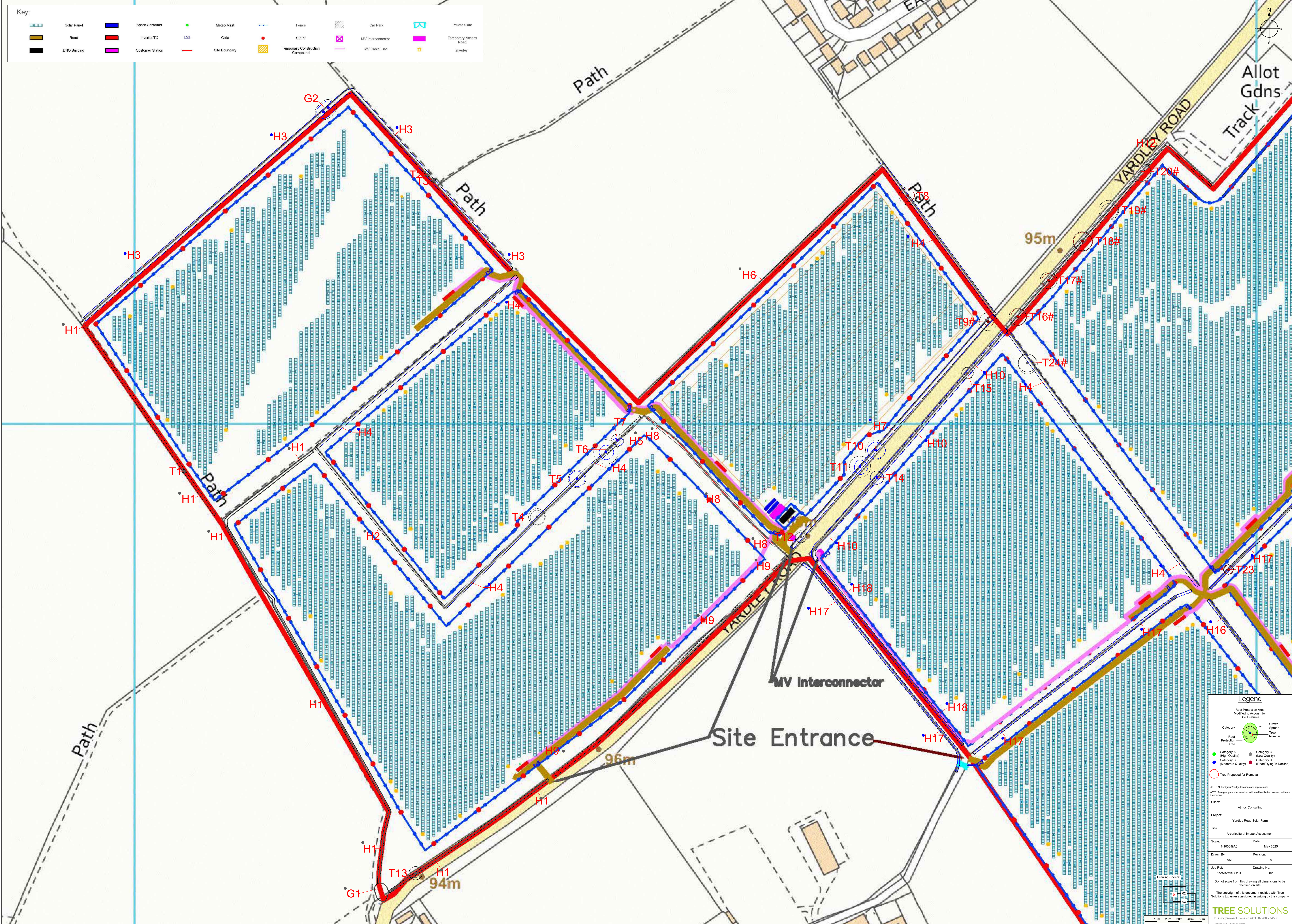
E: info@tree-solutions.co.uk T: 07766 774500

Drawing Sheets:



Appendix Three

Impact Assessment Plan



Key:

	Solar Panel		Spare Container		Meteo Mast		Fence		Car Park		Private Gate
	Road		Inverter/TX		Gate		CCTV		MV Interconnector		Temporary Access Road
	DNO Building		Customer Station		Site Boundary		Temporary Construction Compound		MV Cable Line		Inverter

Legend

Root Protection Area Modified to Account for Site Features

Category

- Category A (High Quality)
- Category B (Moderate Quality)
- Category C (Low Quality)
- Category D (Dead/Dying/In Decline)

Tree Number

Crown Spread

Tree Proposed for Removal

NOTE: All tree group numbers marked with an # if final limited access, estimated dimensions

Client: Atmos Consulting

Project: Yardley Road Solar Farm

Title: Arboricultural Impact Assessment

Scale: 1:1000@A0

Date: May 2025

Drawn By: AM

Revision: A

Job Ref: 25/AIA/MKCC01

Drawing No: 02

Do not scale from this drawing all dimensions to be checked on site.

The copyright of this document resides with Tree Solutions Ltd unless assigned in writing by the company.

TREE SOLUTIONS

E: info@tree-solutions.co.uk T: 07766 774008



Legend

Root Protection Area
Modified to Account for
Site Features

Category

Root Protection Area

Category A
(High Quality)

Category B
(Moderate Quality)

Category C
(Low Quality)

Category D
(Dead/Tyring/Decline)

Tree Proposed for Removal

Crown
Spread
Tree
Number

NOTE: All tree groupings locations are approximate

NOTE: Tree group numbers marked with an # if root limited access, estimated dimensions

Client: Atmos Consulting

Project: Yardley Road Solar Farm

Title: Arboricultural Impact Assessment

Scale: 1:1000@A0

Date: May 2025

Drawn By: AM

Revision: A

Job Ref: 25/AIAMKCC01

Drawing No: 02

Do not scale from this drawing all dimensions to be checked on site.

The copyright of this document resides with Tree Solutions Ltd unless assigned in writing by the company.

TREE SOLUTIONS

E: info@tree-solutions.co.uk T: 07766 774009

Drawing Sheets:

01 — 02
03

10m 20m 30m 40m 50m



Legend

Root Protection Area
Modified to Account for
Site Features

Category A (High Quality)
Category B (Moderate Quality)
Category C (Low Quality)
Category D (Dead/Dying/In Decline)

Tree Proposed for Removal

NOTE: All tree group locations are approximate.
NOTE: Tree group numbers marked with an # have limited access, estimated dimensions.

Client: Atmos Consulting

Project: Yardley Road Solar Farm

Title: Arboricultural Impact Assessment

Scale: 1:1000@A0 Date: May 2025

Drawn By: AM Revision: A

Job Ref: 25/AIAM/KCC/01 Drawing No: 02

Do not scale from this drawing all dimensions to be checked on site.

The copyright of this document resides with Tree Solutions Ltd unless assigned in writing by the company.

TREE SOLUTIONS
E: info@tree-solutions.co.uk T: 07766 774509

Drawing Sheets:

01	02
03	

10m 20m 30m 40m 50m

Appendix Four

Grid Connection Impact Plan



Legend

- Root Protection Area
Modified to Account for
Site Features
- Category
- Root Protection Area
- Crown Spread
- Tree Number
- Category A
(High Quality)
- Category B
(Moderate Quality)
- Category C
(Low Quality)
- Category U
(Dead/Dying/In Decline)
- Tree Proposed for Removal
- Proposed Cable Route for Grid Connection

NOTE: All tree/group/hedge locations are approximate

NOTE: Tree/group numbers marked with an # had limited access, estimated dimensions

Client:	
Atmos Consulting	
Project:	
Yardley Road Solar Farm	
Title:	
Arboricultural Impact Assessment	
Scale:	Date:
1-250@A2	May 2025
Drawn By:	Revision:
AM	A
Job Ref:	Drawing No:
25/AIA/MKCC/01	02

Do not scale from this drawing all dimensions to be checked on site.

The copyright of this document resides with Tree Solutions Ltd unless assigned in writing by the company

TREE SOLUTIONS

E: info@tree-solutions.co.uk T: 07766 774508

Tree Solutions Ltd - Company No: 04569651