



Caroline Hall

Arboriculture

Tree survey and arboricultural notes for proposed new development at Low Road/Plank Drove, Crowland

Site: Low Road/Plank Drove, Crowland PE6 0BX

Commissioned by: Mr John S Dadge, Barker Storey Matthews

Date: December 2017



Tree survey and constraints in respect of proposed development at Low Road, Plank Drove, Crowland PE6 0BX

- The tree survey was carried out on 5th December 2017. 24 trees for consideration are shown on the attached plan, and have been assessed to the criteria in BS5837, Trees in Relation to design, demolition and construction – recommendations.
- The trees are indicated on the attached plan and details itemised within the schedule.
- The site is presently an open rural field with a residential dwelling and garden situated to the North end. Several early mature trees and shrubs border the site, to the South and West, and a line of mature pollarded Willows to the East boundary.
- Of these, 13 trees have received the classification of “A”, 8 classed as “B” and 3 trees are classified as “C”.
- All the trees classified as “A” have received this classification based on their predicted future contribution as forming a group and are recommended for retention.
- The trees classified as “B” are early mature specimens have been classed in according to their remaining contribution and in terms of their conservation benefits.
- Trees classified as “C” should not pose a constraint to the development.
- There are several hedgerows upon the site, consisting of Privet, Blackthorn, Hawthorn, Elder and Conifer species. These hedgerows contain shrub and tree species not exceeding 150mm in diameter, and are young to early mature.
- It is recommended to retain the Willow group on the East boundary to lessen the impact of the development to adjacent housing. This is a mature group and it is recommended that these trees continue under their present management regime.
- There are no trees suitable for protection under a TPO.
- There are no existing trees able to screen the development from the public highway.
- As the majority of the trees are situated on the East boundary, significant shading to new buildings will be minimal.



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- The Trees T22, 23 and 24 form part of the landscaping of the residential dwelling and are graded in accordance with their present size and estimated future contribution of up to 10 years. These should not form a constraint to the development.
- There should not be any issues for access or egress from the site during construction.
- All retained trees will require tree protection methods during construction, and any infringements to the RPA will require mitigation via means outlined within an Arboricultural Method Statement.
- It is recommended to provide detailed plans showing the RPAs in relation to the building within a full Arboricultural Impact Assessment and Arboricultural Method Statement, which will be submitted with Full Plans. It is not envisaged that there will be any conflicts between retained trees that cannot be mitigated via standard Tree Protection Methods as specified within BS5837 (2012).

Tree no	Species	Height (m)	Stem diameter at 1.5 metres (mm)	Radius of nominal circe	Root Protection area m ²	Branch Spread (m)	Height of Crown Clearance (m)	Age/Class	Physiological Condition	Structural Condition	Preliminary Management Considerations	Estimated Remaining Contribution (years)	Category/Grading
1	Cherry	#7	#300	3.6	41	N 3 S 3 E 3 W 3	1	EM	FAIR - stem cankers	GOOD	No work required	<20	B3
2	Cherry	#7	#300	3.6	41	N 3 S 3 E 3 W 3	1	EM	*GOOD - ivy through stem and crown	*GOOD	No work required	<20	B3
3	Willow (multi-stem)	#6	#400	4.8	72	N 3 S 3 E 3 W 3	1	EM	GOOD	GOOD	No work required	<20	B3
4	Cherry	#7	#300	3.6	41	N 3 S 3 E 3 W 3	1	EM	*GOOD - ivy through stem and crown	*GOOD	No work required	<20	B3
5	Hawthorn (multi-stem)	#6	#250	3	28	N 2.5 S 2.5 E 2.5 W 2.5	1	EM	*GOOD - ivy through stem and crown	*GOOD	No work required	<20	B3
6	Chestnut (multi-stem)	#7	396	4.8	72	N 3 S 3 E 3 W 3	1	Y	*GOOD - ivy through stem and crown	*GOOD	No work required	<20	B3
7	Hawthorn	#6	#250	3	28	N 2.5 S 2.5 E 2.5 W 2.5	1	EM	*GOOD - ivy through stem and crown	*GOOD	No work required	<20	B3
8	Hawthorn	#6	#250	3	28	N 2.5 S 2.5 E 2.5 W 2.5	1	EM	*GOOD - ivy through stem and crown, surrounded by bramble	*GOOD	No work required	<20	B3
9	Willow (twin stem)	15	943	11.4	408	N 8 S 8 E 8 W 8	2	M	*GOOD - ivy through stem and crown	*GOOD	Sever ivy at base	<40	A2
10	Willow (pollard)	#12	#600	7.2	163	N 4 S 4 E 4 W 4	2	M	*GOOD - ivy through stem and crown	*GOOD - in pollard management	Sever ivy at base, continue to pollard on a 5-7 year cycle	<40	A2
11	Willow (pollard)	#12	#600	7.2	163	N 4 S 4 E 4 W 4	2	M	*GOOD - ivy through stem and crown	*GOOD - in pollard management	Sever ivy at base, continue to pollard on a 5-7 year cycle	<40	A2

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12	Willow (pollard)	#12	#600	7.2	163	N 4 E 4	S 4 W 4	2	M	*GOOD - ivy through stem and crown	*GOOD - in pollard management	Sever ivy at base, continue to pollard on a 5-7 year cycle	<40	A2
13	Willow (pollard)	#12	#600	7.2	163	N 4 E 4	S 4 W 4	2	M	*GOOD - ivy through stem and crown	*GOOD - in pollard management	Sever ivy at base, continue to pollard on a 5-7 year cycle	<40	A2
14	Willow (pollard)	#10	#600	7.2	163	N 4 E 4	S 4 W 4	2	M	*GOOD - ivy through stem and crown	*GOOD - in pollard management	Sever ivy at base, continue to pollard on a 5-7 year cycle	<40	A2
15	Willow (pollard)	#10	#600	7.2	163	N 4 E 4	S 4 W 4	2	M	*GOOD - ivy through stem and crown	*GOOD - in pollard management	Sever ivy at base, continue to pollard on a 5-7 year cycle	<40	A2
16	Willow (pollard)	#10	#600	7.2	163	N 4 E 4	S 4 W 4	2	M	*GOOD - ivy through stem and crown	*GOOD - in pollard management	Sever ivy at base, continue to pollard on a 5-7 year cycle	<40	A2
17	Willow (pollard)	#10	#600	7.2	163	N 4 E 4	S 4 W 4	2	M	*GOOD - ivy through stem and crown	*GOOD - in pollard management	Sever ivy at base, continue to pollard on a 5-7 year cycle	<40	A2
18	Willow (pollard)	#10	#600	7.2	163	N 4 E 4	S 4 W 4	2	M	*GOOD - ivy through stem and crown	*GOOD - in pollard management	Sever ivy at base, continue to pollard on a 5-7 year cycle	<40	A2
19	Willow (pollard)	#10	#600	7.2	163	N 4 E 4	S 4 W 4	2	M	*GOOD - ivy through stem and crown	*GOOD - in pollard management	Sever ivy at base, continue to pollard on a 5-7 year cycle	<40	A2
20	Willow (pollard)	#10	#600	7.2	163	N 4 E 4	S 4 W 4	2	M	*GOOD - ivy through stem and crown	*GOOD - in pollard management	Sever ivy at base, continue to pollard on a 5-7 year cycle	<40	A2
21	Willow (pollard)	#10	#600	7.2	163	N 4 E 4	S 4 W 4	2	M	*GOOD - ivy through stem and crown	*GOOD - in pollard management	Sever ivy at base, continue to pollard on a 5-7 year cycle	<40	A2
22	Norway spruce	8	#120	1.5	7	N 2 E 2	S 2 W 2	0	EM	GOOD	GOOD	No work required	<40	C2

Tree no	Species	Height (m)	Stem diameter at 1.5 metres (mm)	Radius of nominal circle	Root Protection area m ²	Branch Spread (m)	Height of Crown Clearance (m)	Age/Class	Physiological Condition	Structural Condition	Preliminary Management Considerations	Estimated Remaining Contribution (years)	Category/Grading
23	Colorado blue pine	7	#120	1.5	7	N 2 E 2 S 2 W 2	1	EM	FAIR - suppressed	*GOOD - obscured by shrubs	No work required	<20	C3
24	Holly	5	#100	1.2	5	N 2 E 2 S 2 W 2	0	EM	GOOD	GOOD	No work required	<40	C2

Key to Survey

Tree no: Number on plan

Species: Common name of tree

Height: Estimated in metres

Stem diameter: Measured in mm at 1.5 metres above ground level, multi stem values shown separately

Radius of nominal circle: Shown in metres as calculated to the guidance in BS5837

Root protection area m²: The total area in m² of the root protection area

Branch spread: Estimated extent of canopy cover, shown at each point, N, S, E, W in metres

Height of crown clearance: Estimated height of lowest branches

Age/Class: Y – Young, newly planted, self set or still supported on a stake

EM – Semi-Mature, within 1/3 of expected normal life

M – Mature, tree has reached maturity, and is within 2/3 of expected normal life

OM – Over Mature, tree is within the last stage of life, or is already in decline

D – Dead

Condition: GOOD – no significant defects seen

FAIR – some defects which can either be rectified, or will not have a significant impact on the health and safety of the tree

POOR – defects which can not be rectified, and could have a significant impact upon the overall health and safety of the tree

DEAD

Preliminary Management Considerations: The recommendations at this stage are purely for good arboricultural management and do not have any bearing upon the proposed development

Estimated remaining contribution – in years

Category/Grading – U – Tree is in poor condition, dead, of low arboricultural value, or may only contribute a further 10 years

A1 – Tree has high value, is a good example of its species, offering 40 years or more

A2 – Tree has high value, offers screening and landscape contribution for 40 years or more

A3 – Tree has high value, offers cultural or historical value for 40 years or more

B1 – Tree has moderate value, has a slightly impaired value, but offers 20 years or more

B2 – Tree has moderate value, has distinct landscape value, offering 20 years or more

B3 – Tree has moderate value, offers clear conservation or cultural benefits for 20 years or more

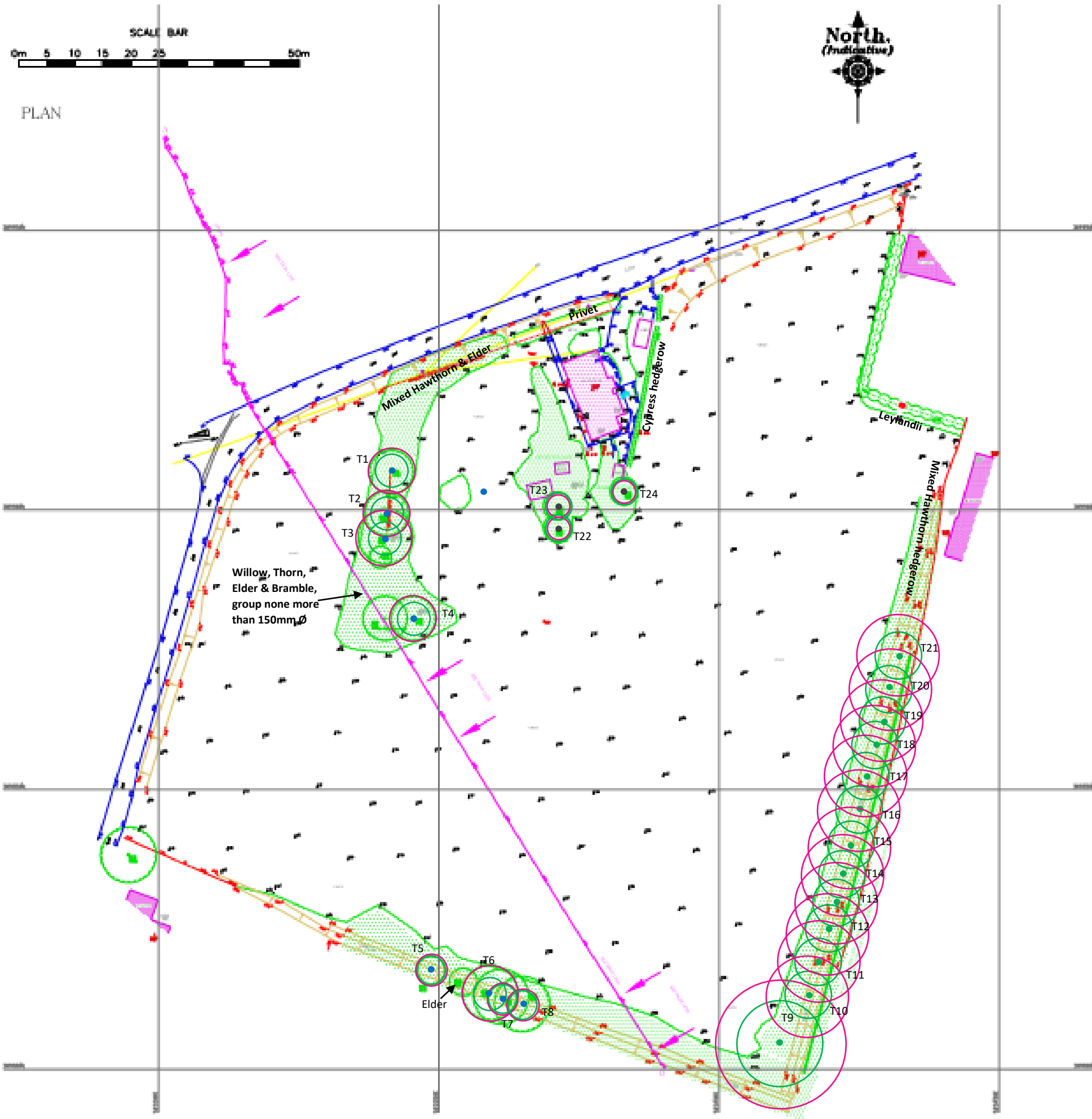
C1 – Tree is of low quality and value, offers at least 10 years but does not qualify in higher categories

C2 – Tree is of low quality and value, groups or woodlands with temporary landscape value, for at least 10 years

C3 – Tree is of low quality and value, has limited contribution in terms of landscape or conservation but offering 10 years or more

- ⚠ As trees are living plants their health and condition can change both by forces of nature, intervention by people or vehicles, and with the seasons. For this reason the recommendations in the report are valid for one year only

Tree Constraints



- Key
- A category trees
 - B category trees
 - C or U category trees
 - Extent of Root Protection Area
 - Extent of canopy cover