



Stage 1 Tree Survey & Preliminary Tree Constraints/Impact Assessment Plan (Outline)

Land off Holt Road, Rossett, Wrexham

Prepared for:

BELLIS BROS
C/o J10 Planning Ltd

Our Ref: 15/AIA/WXM/156 (Rev B)

14 November 2016

Tree Solutions Ltd

T: 01244 389114
E: info@tree-solutions.co.uk
W: www.tree-solutions.co.uk

TREE SURVEY SCHEDULE (BS5837: 2012)

TREE SOLUTIONS LTD

SITE:	LAND OFF HOLT ROAD (B5102), ROSSETT, WREXHAM
CLIENT:	BELLIS BROS
BRIEF:	PHASE 1 TREE SURVEY & PRELIMINARY ARBORICULTURAL IMPACT ASSESSMENT

SURVEYOR:	A. HENDERSON
ASSESSMENT DATE:	14 JANUARY 2015
VIEWING CONDITIONS:	GOOD
JOB REFERENCE:	15/AIA/WXM/156

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TREE NO. T - Tree G - Group H - Hedge	SPECIES (COMMON NAME)	AGE	HEIGHT (m) + CROWN CLEARANCE/ DIRECTION OF GROWTH (N.S.E.W)	RADIAL CROWN SPREAD (m)				STEM/ MULTI-STEM* DIA.(mm)	VITALITY	COMMENTS	MANAGEMENT	CATEGORY & SUB-CATEGORY GRADING BS 5837	BS 5837 RADIUS (m) RPA (m²)
				N	S	E	W						
T1	Oak	FM	17 1W	5	6.5	5.5	6.5	1200	G	- Prominent historic landscape feature to locale - Large diameter dead wood in crown & past large diameter limb failures with tear out wounds - Top failed on eastern leader - Multiple decay seams to all leaders - Hanger in crown to west - E.R.C. 20+	Remove dead wood over road (B5102)	B2	14.4 652m²
T2	Oak	M	16 2W	5	6	5.5	5	790	G	- Minor browsing damage at base - Good quality tree with no defects - E.R.C. 20+	N/A	B2	9.5 282m²
T3	Sycamore	M	15 2E	5	7	5	5	680	P	- Basal decay - <i>Ganoderma spp</i> fruiting body at base to west - In decline - E.R.C. 0	Fell & replace	C2	8.2 209m²

HEADINGS & ABBREVIATIONS

TREE NO.
SPECIES:
AGE RANGE/LIFE STAGE:
HEIGHT:
CROWN SPREAD:
CROWN CLEARANCE & DIRECTION OF GROWTH:
STEM DIA/MULTI-STEM DIA:
VITALITY:
E.R.C. = ESTIMATED REMAINING CONTRIBUTION:
BS 5837 CATEGORY & SUB-CATEGORY GRADING:
BS 5837 RADIUS & BS 5837 RPA:

REFERENCE NUMBER. REFER TO PLAN OR NUMBERED TAGS WHERE APPLICABLE (T = TREE, G = GROUP, H = HEDGE)
COMMON NAME (LATIN NAMES AVAILABLE ON REQUEST)
Y = YOUNG, SM = SEMI MATURE, EM = EARLY MATURE, M = MATURE, PM = POST MATURE
ESTIMATED AND RECORDED IN METRES. APPROXIMATELY 1 IN 10 TREES ARE MEASURED USING A CLINOMETER AND THE REMAINDER ESTIMATED AGAINST THE MEASURED TREES
MAXIMUM CROWN RADIUS MEASURED TO THE FOUR CARDINAL COMPASS POINTS FOR SINGLE SPECIMENS ONLY (MEASUREMENT FOR TREE GROUPS - MAXIMUM RADIUS OF THE GROUP)
HEIGHT IN METERS OF CROWN CLEARANCE ABOVE ADJACENT GROUND LEVEL (TO INFORM ON GROUND CLEARANCE, CROWN/STEM RATIO AND SHADING)
STEM DIAMETER - MEASURED AT APPROXIMATELY 1.5 METRES ABOVE GROUND LEVEL OR A COMBINATION OF STEMS FOR MULTI-STEMMED TREES
A MEASURE OF PHYSIOLOGICAL CONDITION. D = DEAD, MD = MORIBUND, P = POOR, M = MODERATE, G = GOOD
RELATIVE USEFUL LIFE EXPECTANCY (YEARS)
A = HIGH QUALITY AND VALUE, B = MODERATE QUALITY AND VALUE, C = LOW QUALITY AND VALUE, U = UNSUITABLE FOR RETENTION (SUB-CATEGORY REFERS TO ARBORICULTURAL, LANDSCAPE AND CULTURAL/CONSERVATION VALUES)
PROTECTIVE DISTANCE - RADIUS FROM THE CENTRE OF THE STEM TO THE LINE OF TREE PROTECTION (CONSTRUCTION EXCLUSION ZONE - CEZ) AND PROTECTIVE BARRIER ROOT PROTECTION AREA - BS 5837 (2012) ANNEX D (THE RECOMMENDATIONS STATE THAT THE RPA SHOULD BE CAPPED AT 707 M²) NOTE - ALL CALCULATIONS ROUNDED TO NEAREST DECIMAL

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				N	S	E	W						
T4	Sycamore								MD	- In advanced decline - Top failed, remaining stems decayed/dead - E.R.C. 0	Fell & replace	U	N/A
T5	Ash	FM	18 1S	2.5	7	7	8	560	M	- Fully mature tree with evidence of large diameter limb failure - Outside northern boundary - Ivy clad impeding detailed inspection - E.R.C. 10+	Requires remedial works i.e. crown reduction if retained near any residential dwelling or high value target	B2	6.7 142m²
T6	Alder	FM	12 1.5S	3	3	1	4	500	M	- Small insignificant tree heavily suppressed by T5 - E.R.C. 10	N/A	C2	6 113m²
T7	Oak	M	14 1S	5.5	5	8	5	650	G	- Large open crack evident between main leaders - eastern leader liable to fracture due to excessive loading on cracked stem - Outside northern boundary but does require remedial work to alleviate loading on crack - E.R.C. 20+ if managed	3rd party tree but would advise crown reduction by 4m back to inner sub-lateral growth	B2	7.8 191m²
T8	Ash	FM	17 1W	6	5	5	5	600	M	- Located outside NW boundary - Entirely Ivy clad impeding inspection - E.R.C. 10	3rd party tree	C2	7.2 163m²

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				N	S	E	W						
T9	Alder	FM	16 3N	4.5	6	5	7	890	M	- Significant basal decay - hollowed out stem - Large diameter limb failures in past - Decay in main stem when tested with impact sounding hammer - Unsuitable to retain within the context of any development - E.R.C. 20	• Fell	C1	10.7 358m²
G1	Oak x 1 Sycamore x 2	M	≤12 1S	3.5	4	4	4	≤350	M	- Trees with poor structural crown form - Two trees to south offer screening along western boundary - E.R.C. 10	• N/A	C2	4.2 55m²
H1	Holly	M	1.8					≤60	G	- Well maintained boundary hedge that offers good screening to residential dwellings to west - High value landscape feature - E.R.C. 20+	• N/A	A2	0.7 1m²
H2	Hawthorn	M	1					≤60	G	- Well maintained boundary hedge - E.R.C. 20+	• N/A	B2	0.7 2m²
H3	Hawthorn	M	1					≤60	M	- Well maintained boundary hedge - E.R.C. 20+	• Remove to accommodate visibility splay & replace with new hedge along boundary	B2	0.7 2m²

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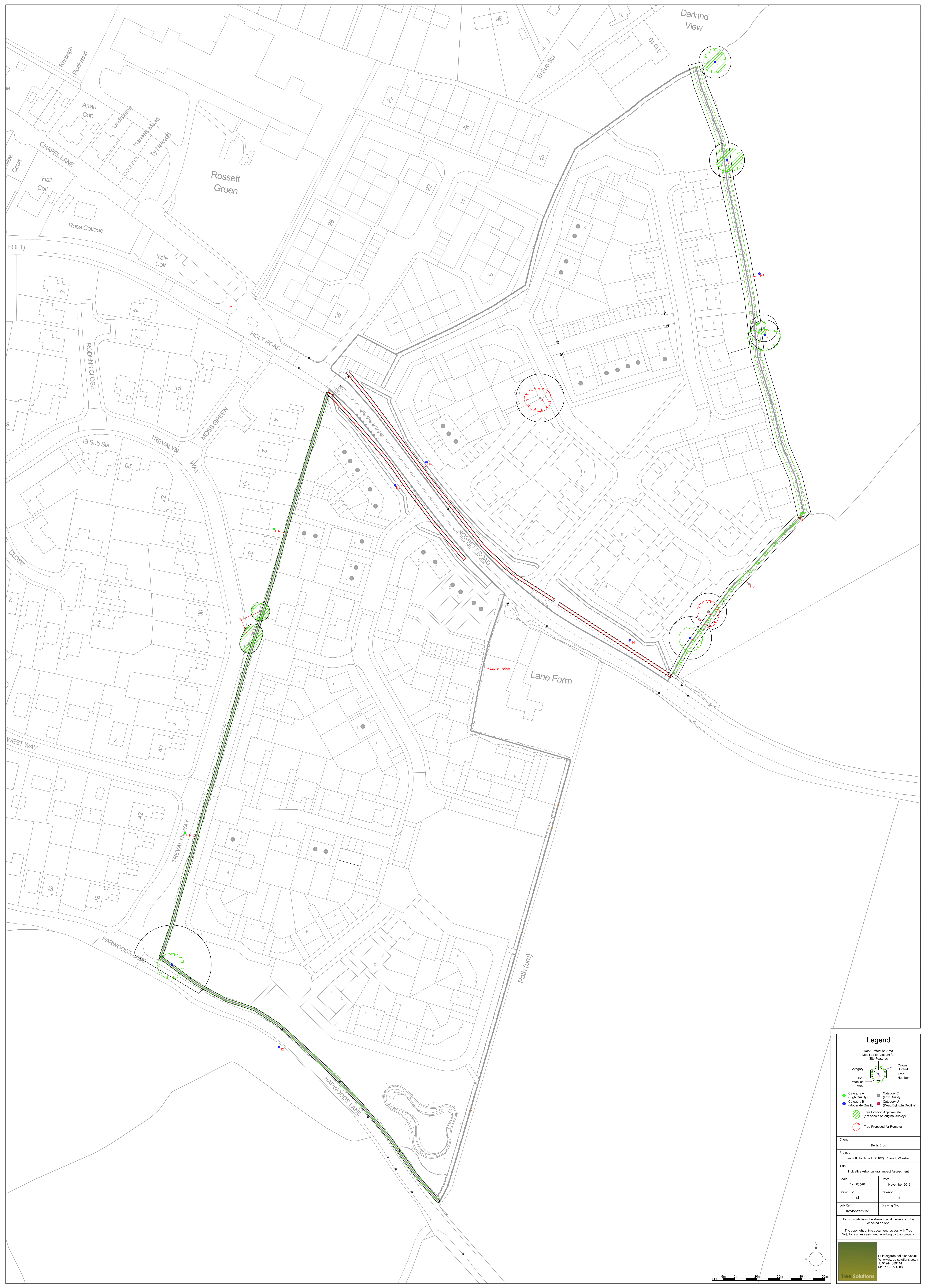
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				N	S	E	W						
H4	Hawthorn	FM	1					≤60	M/G	- Well maintained boundary hedge - E.R.C. 20+	Remove to accommodate visibility splay & replace with new hedge along boundary	B2	0.7 2m²
H5	Hawthorn Sycamore	M/ SM	≤4					≤170	M	- Unmanaged boundary hedge with many gaps and self set Sycamore poles - E.R.C. 20	Lay and plant up gaps	C2	2 13m²
H6	Hawthorn Elder	FM	≤4.5					≤250	M/G	- As H3 - E.R.C. 20+	N/A	B2	3 28m²

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</i> Category U trees can have existing or potential conservation value which it might be desirable to preserve; see 4.5.7.			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



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 Position Approximate
(not shown on original survey)
- Tree Proposed for Removal
- Crown
Spread
Tree
Number

Client:		Belle Bros
Project:		Land off Holt Road (B5102), Rossett, Wrexham
Title:		Indicative Arboricultural Impact Assessment
Scale:	1:500@A0	Date: November 2016
Drawn By:	LI	Revised:
Job Ref:	15/AJA/WOM/156	Drawing No:

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

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Tree Solutions

E: info@tree-solutions.co.uk
W: www.tree-solutions.co.uk
T: 01244 389114
M: 07765 774558

