



Stage 1 Tree Survey & Preliminary Arboricultural Plans (Outline)

Former Coalyard, 3 Ingleby, Lloyds Lane, Chirk

Prepared for:

Mr A Roberts
C/o Andrew Design Service

Our Ref: 17/AIA/WXM/205 (Rev A)

26 May 2017

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TREE SURVEY SCHEDULE (BS5837: 2012)

Tree Solutions

Arboricultural Consultants

SITE:	LAND AT THE FORMER COALYARD, 3 INGLEBY, LLOYDS LANE, CHIRK
CLIENT:	MR A ROBERTS
BRIEF:	STAGE 1 TREE SURVEY (OUTLINE)

SURVEYOR:	A. HENDERSON
ASSESSMENT DATE:	17 MAY 2017
VIEWING CONDITIONS:	GOOD
JOB REFERENCE:	17/AIA/WXM/205

PAGE 1 OF 3

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	Beech	EM	14 1E	1.5	2	2	1	300	G	- Ivy clad stem impeding inspection - Located outside site boundary & beyond retaining wall - RPA modified accordingly - E.R.C. 20	3rd party tree - N/A	B2	3.6 41m²
T2	Willow	M	15 1.5E	5	1	4.5	4.5	400	G	- Leans north due to suppression by T1 - Outside boundary with no access to survey - E.R.C. 20	As T1	B2	4.8 72m²
T3	Yew	EM	5 1N	4	1.5	2	3	220	G	- Small tree with no obvious defects - E.R.C. 20	As T1	B2	2.6 22m²
T4	Birch	M	16 2.5N	4	1.5	4	2	269	G	- Abuts boundary wall & leans north - No access to accurately survey - E.R.C. 20	As T1	B2	3.2 33m²
T5	Birch	M	16 2N	4	2	4	4	300	G	As T4	As T1	B2	3.6 41m²

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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TREE NO. T - Tree G - Group H - Hedge W - Wood	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						
T6	Spruce	M	16 4S	2	2	2	2	290	G	- Ivy clad stem impeding inspection - Ground heavily compacted within site - roots likely to extend north - E.R.C. 20	• As T1	B2	3.5 38m²
T7	Hawthorn	M	5 2S	1	1	2	2	150	G	- As T6 - E.R.C. 20	• As T1	B2	1.8 10m²
T8	Oak	EM	11 2E	5	5	4	5	200 300 (361)	M	- Dieback & dead wood in crown, appears stressed due to roots damage during construction of adjacent turning head to south - Past coppiced during boundary hedge management - E.R.C. 20	• N/A	B2	4.3 59m²
T9	Sycamore	EM	13 1S	3	2	2	2	200x2 (283)	G	- Overgrown self set tree allowed to grow due to lack of boundary hedge treatment - Tree has no existing or long-term value and would be better removed to allow for reinstatement of former hedge boundary - E.R.C. 10	• Remove to allow for hedger management	C1	3.4 36m²
T10	Sycamore	M	14 2N	4.5	4.5	4.5	4.5	400 300 220 (546)	G	- Ivy clad tree of no significant value - Would be better removed with new good quality trees planted within reinstated boundary hedge - E.R.C. 10	• As T9	C2	6.5 135m²
G1	Sycamore Ash Hawthorn	SM	≤5	1	1	1	1	≤70	G	- Self set small diameter trees within confined rooting area - No value - E.R.C. 0	• Remove if required	C1	0.8 2m²

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				N	S	E	W						
G2	Willow (Goat) Ash	M	≤9 1W	2.5	2.5	2.5	2.5	≤200	M	- Poor quality trees left as screen between coalyard & residential dwellings to west. Not worth retaining in long-term & would not be good tree to have within residential gardens. Would recommend removing and replacing with a boundary hedgerow & fastigate trees - E.R.C. 0	Remove & grind out stumps to prevent re-growth	C2	2.4 18m²
G3	Ash Elm Elder	SM	≤10	2	2	2	2	≤200	M	- Unmanaged scrub within former field boundary hedge - E.R.C. 0	Remove & reinstate former boundary hedge	C2	2.4 18m²
H1	Hawthorn Blackthorn	SM	2					≤20	G	- Unmanaged hedge within confined rooting environment - E.R.C. 0	Remove if required	C1	0.2
H2	Cypress	M	1.8					≤60	G	- Unattractive hedge of no value - E.R.C. 0	Remove	C1	0.7 2m²

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



Photo 1 - Coalyard viewed from east



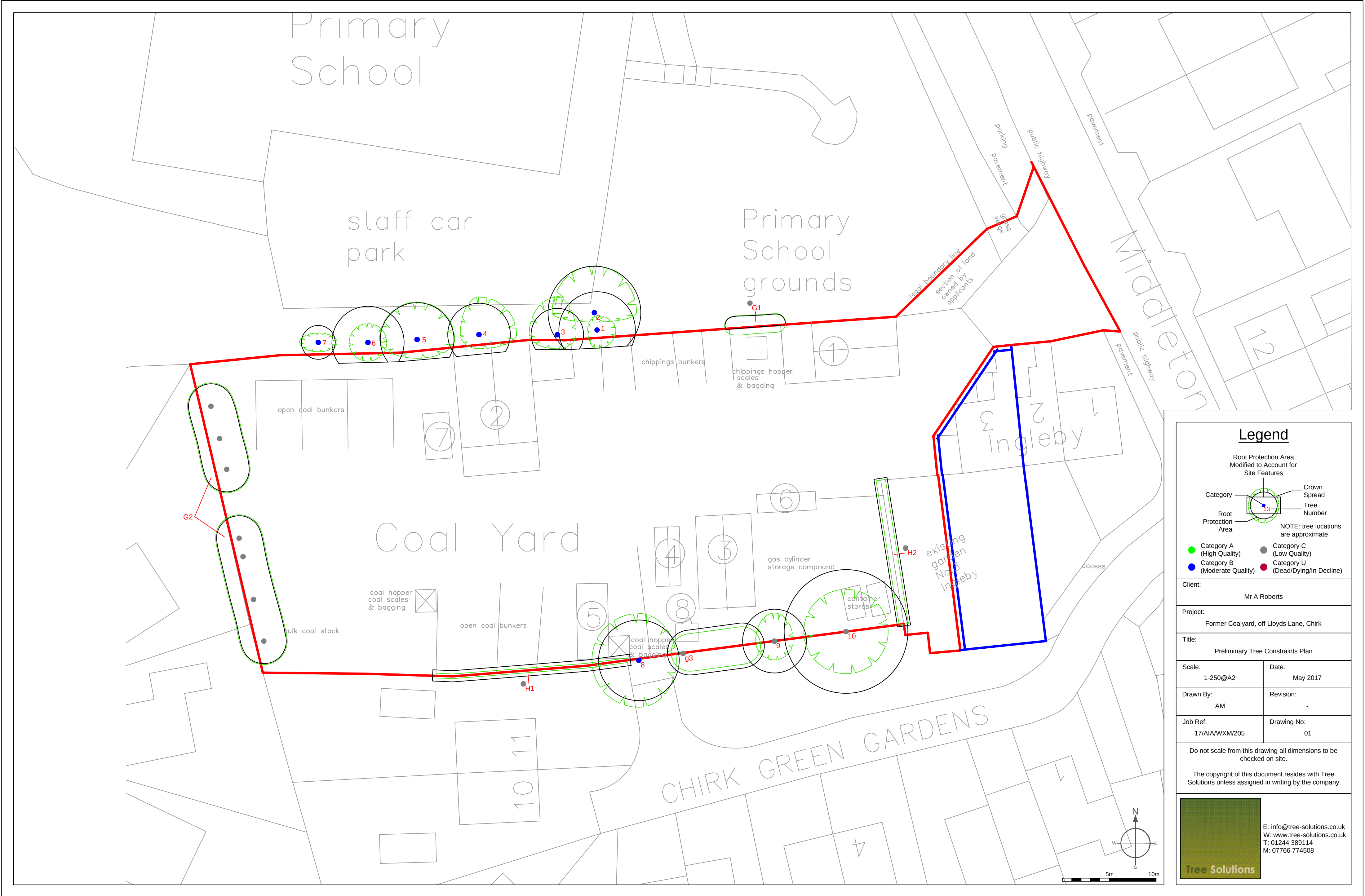
Photo 2 - Tree number 1-6 located outside northern boundary within school grounds



Photo 3 - Goat Willow (G2) along western boundary



Photo 4 - Unmanaged & unkempt former field boundary hedge (G3 & T9/10)



Legend

Root Protection Area
Modified to Account for
Site Features

Category

Root Protection Area

Crown Spread

Tree Number

NOTE: tree locations are approximate

Category A
(High Quality)

Category B
(Moderate Quality)

Category C
(Low Quality)

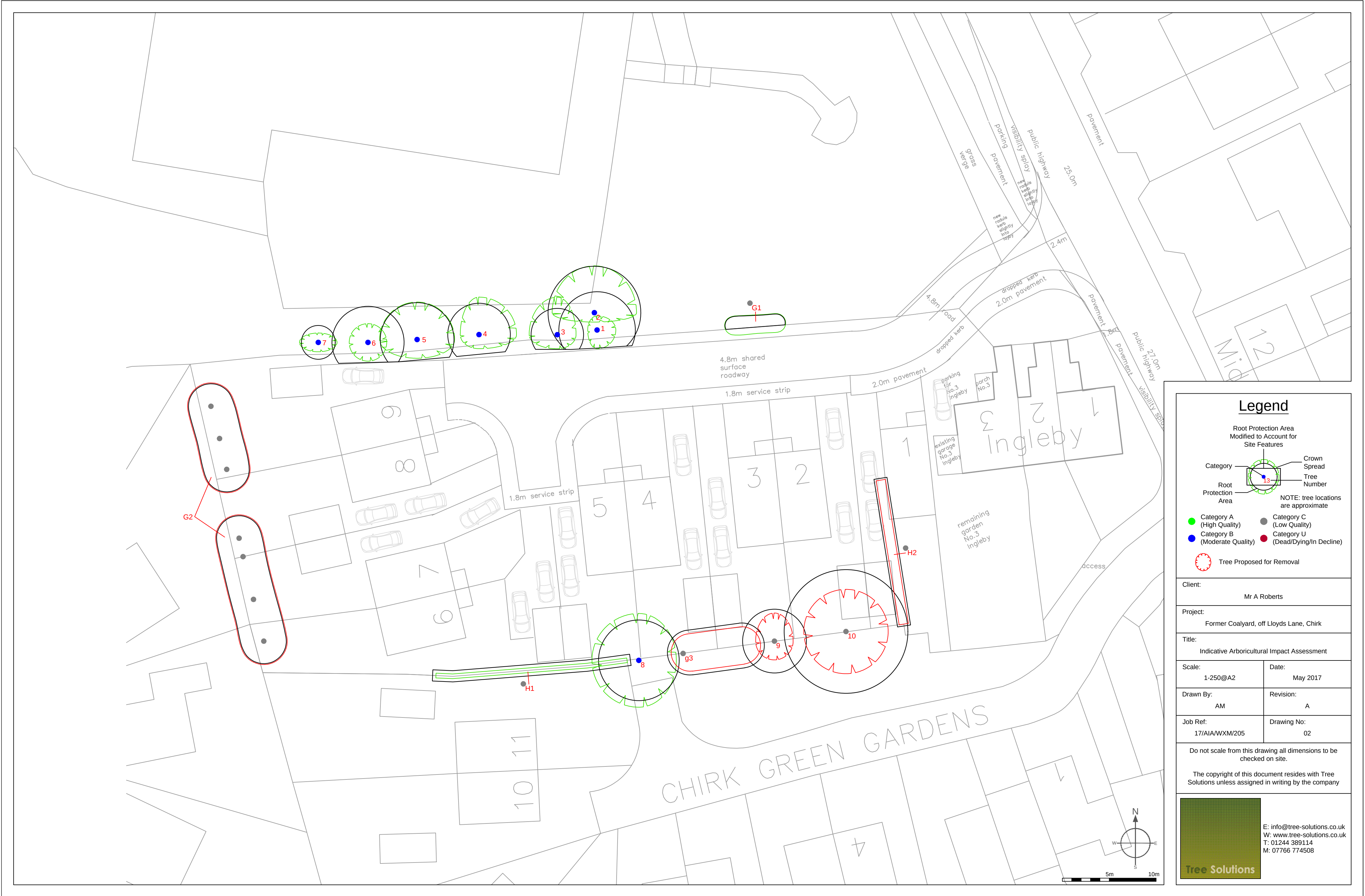
Category U
(Dead/Dying/In Decline)

Client: Mr A Roberts	
Project: Former Coalyard, off Lloyds Lane, Chirk	
Title: Preliminary Tree Constraints Plan	
Scale: 1-250@A2	Date: May 2017
Drawn By: AM	Revision: -
Job Ref: 17/AIA/WXM/205	Drawing No: 01

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

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Legend

Root Protection Area
Modified to Account for
Site Features

Category

Root Protection Area

Crown Spread

Tree Number

NOTE: tree locations are approximate

Category A
(High Quality)

Category B
(Moderate Quality)

Category C
(Low Quality)

Category U
(Dead/Dying/In Decline)

Tree Proposed for Removal

Client:

Mr A Roberts

Project:

Former Coalyard, off Lloyds Lane, Chirk

Title:

Indicative Arboricultural Impact Assessment

Scale:	Date:
1:250@A2	May 2017

Drawn By:	Revision:
AM	A

Job Ref:	Drawing No:
17/AIA/WXM/205	02

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