Tree reference number	Species	Category grading	RPA m²	Building Incursion (m²)	TOTAL %	Significance	Comments
T1	Douglas Fir *(Pseudotsuga menziesii)*	A1	547	22	4.0	Insignificant	BS5837:2012 7.4.2.3 New permanent hard surfacing should not exceed 20% of any existing unsurfaced ground within the RPA. The impact will be further reduced by the use of a pad or screw structure on the ground and this will reduce impact on the rooting system. Pads or screws can be placed 2-2.5m apart so will require 20 pads or screws in total. Prior to the commencement of works ground excavations and confirmation of exact locations can be confirmed as the pads or screws can be moved away from any roots. It is not demonstrate that harm will be caused to the tree roots.
T4	Sycamore *(Acer pseudoplatanus)*	C1	72	16	22.2	Significant	BS5837:2012 7.4.2.3 New permanent hard surfacing should not exceed 20% of any existing unsurfaced ground within the RPA. The impact will be further reduced by the use of a pad or screw structure on the ground and this will reduce impact on the rooting system. Pads or screws can be placed 2-2.5m apart so will require 20 pads or screws in total. Prior to the commencement of works ground excavations and confirmation of exact locations can be confirmed as the pads or screws can be moved away from any roots. It is not demonstrate that harm will be caused to the tree roots.
T5	Sycamore *(Acer pseudoplatanus)*	C1	232	1	0.4	Insignificant	BS5837:2012 7.4.2.3 New permanent hard surfacing should not exceed 20% of any existing unsurfaced ground within the RPA. The impact will be further reduced by the use of a pad or screw structure on the ground and this will reduce impact on the rooting system. Pads or screws can be placed 2-2.5m apart so will require 20 pads or screws in total. Prior to the commencement of works ground excavations and confirmation of exact locations can be confirmed as the pads or screws can be moved away from any roots. It is not demonstrate that harm will be caused to the tree roots.

Ref. T2Fagus sylvatica

Ref. T3Fagus sylvatica

Ref. T4Acer pseudoplatanus

Ref. T5Acer pseudoplatanus

Ref. T8Acer platanoides

Ref. G6Cupressocyparis leylandii X x5

Ref. T7Tilia x vulgaris

SHED

GREEN HOUSE

HOT TUB

DETACHED ANNEXE

Eave 68,47

Eave 69,28

Rdge 72,32

Post

Rdge 66,75

Dp

Rdge 70,91

Eave 66,65

Eave 68,20

Rdge 71,11

Eave 65,69

Eave 67,08

Rdge 71,40

IP1 63,34

Rdge 70,76

Flat 65,85

Eave 67,03

Eave 66,54

MH

St

AX2 64,049

AX3 61,065

Ko

Gy

64.5

63.5

63.0

62.5

65.5

65.0

FOR GUIDANCE ONLY

1:20 - 0 200mm 400mm 600mm 800mm 1000

1:100- 0 1m 2m 3m 4m 5m

1:50 - 0 1m 2m

1:5 - 0 100mm 200mm

Notes :

A2

This drawing has been prepared in accordance with BS 5837:2012.

This drawing is intended to be printed and used in colour only, and for no purpose other than the consideration of trees in accordance with BS 5837.

BS5837:2012 Cascade chart for tree quality assessment

Category & Definition	Criteria (including subcategories where appropriate)			Identification on plan
Trees unsuitable for retention				
Category U	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 (eg. where, for whatever reason, the loss of companion shelter will cause collapse in the context of the current land use). 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. NB Category U trees can have existing or potential conservation value which it might be desirable to preserve			Red on plan RGB 127,0,0
Trees to be considered for retention	1. Mainly arboricultural qualities	2. Mainly landscape qualities	3. Mainly cultural values, including conservation	
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 (eg. the dominant and/or principal trees within an avenue)	Trees, groups or woodlands of particularly high landscape or arboricultural value eg. prominent landscape features	Trees, groups or woodlands of significant conservation, historical, commemorative or other value (eg. veteran trees or wood-pasture)	Light Green RGB 0,255,0
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 (eg. presence of significant though remediable defects, including unsuitable for their location) and trees present in numbers, usually growing as groups, that have collectively clearly more than trivial value	Trees present in numbers, usually growing as groups, to such an extent that they make a significant contribution (eg. for screening or provision of shelter) to the wider landscape	Trees with material conservation or other cultural value	RGB 0,0,255
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 short-term/transient landscape benefits	Trees with no material conservation or other cultural value	Grey RGB 091,091,091

KEY

Root Protection Area (RPA)

Tree Stem

T1 Tree No.

Tree Incursion

Rev	Details	Date	Checked By

Drawing Number AEL-18502-TIP

Apex Environmental Ltd
3 Lawrence Way, Lichfield, WS13 6RD
TEL. 0121 249 1235 e-mail. info@acl-treeconsultants.co.uk web: www.acl-treeconsultants.co.uk

Client Mr A Bali

Project 28 Broadway, Duffield, Derbyshire

Title Tree Impct Plan

Scale	Date	Drawn By	Checked By	Drawing Number	Revision
1:200	08/06/2022	RJH			B

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