Tree Survey

At

Maes Y Fynnon
Bonvilston

Inspected by:-
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I have been instructed by Andrew Freegard to carry out a survey on trees at Maes Y Fynnon, Bonvilston, for and on behalf of the Vale of Glamorgan Council.

Scope of Report

This Tree Survey has been undertaken within the recommendations of British Standards 5837:2012 and current good arboricultural practice.

The survey entailed a visual inspection from ground level of all trees.

Each tree has been numbered and, where instructed, have been tagged using small durable metal or plastic tags.

Due to variations of existing ground levels through the site, height dimensions are estimated and are given in metres.

Trunk/stem diameters are measured at 1.5 metres above ground level, or immediately above the root flare for multi-stemmed trees.

Estimated branch spread is taken in metres from the centre of the trunk, at the four cardinal points of a compass, to achieve an accurate representation of crown shape.

An assessment of a tree's age classification is made in terms of its maturity within the site's landscape.

An assessment of a tree's physiological condition is made as good, fair, poor, dead.

Data on the structural condition of the tree has been entered, e.g., collapsing, leaning and the presence of any decay or physical defect has been noted.

Preliminary management recommendations include further investigation of suspected defects that require more detailed assessment or potential for wildlife habitat.

An assessment of a tree's future life expectancy is made as <10, 10-20, 20-40 or >40 etc.

Table 1 – Cascade chart for tree quality assessment

Category and definition	Criteria (including subcategories where appropriate)		
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 U category trees (i.e. 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 NOTE Category U trees can have existing or potential conservation value which it might be desirable to preserve; see 4.5.7		
	1 Mainly Arboricultural values	2 Mainly landscape values	3 Mainly cultural values, including conservation
Category A Those 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 essential components of groups, or of 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)
Category B Those 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 benefits
Category C Those of low quality with an estimated remaining life expectancy of at least 10 years, or young trees with a stem diameter below 150mm	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

T1	**Sycamore (Acer pseudoplatanus)**
Height	16m
Single/Multi stemmed	Single stem
Stem Diameter	0.47m
Branch Spread	N – 6m E – 6m S – 8m W – 6m
Height of Crown	3m
Age	Mature
Physiological Condition	Fair to poor
Structural Condition	Tree of good form with well-balanced crown. Evidence of severe squirrel damage in upper mid-crown which has led to commencement of major limb failure. Some snapped branches hung-up in upper crown.
Prel. Man. Recommendations	Prune to remove damaged branches. Prune to remove hung-up branches. Undertake 20% overall crown reduction. Remove epicormic shoots from lower stem. Monitor for health.
Est. Remaining Contribution	10-20
Category	C

T2	**Sycamore (Acer pseudoplatanus)**
Height	16m
Single/Multi stemmed	Single stem
Stem Diameter	0.49m
Branch Spread	N – 7m E – 6m S – 6m W – 6m
Height of Crown	3m
Age	Mature
Physiological Condition	Fair
Structural Condition	Tree of good form with well-balanced crown. Main stem divides at 3m leading to twin-stemmed mid-crown. Some evidence of minor squirrel damage within crown.
Prel. Man. Recommendations	Monitor for safety
Est. Remaining Contribution	>40
Category	B

T3	**Sycamore (Acer pseudoplatanus)**
Height	13m
Single/Multi stemmed	Single stem
Stem Diameter	0.64m
Branch Spread	N – 8m E – 8m S – 9m W – 8m
Height of Crown	2m
Age	Mature
Physiological Condition	Fair
Structural Condition	Tree of good form with well-balanced but low spreading crown. Dense vegetation at base prevents full inspection.
Prel. Man. Recommendations	Crown raise to 2.5m removing secondary branches only. Monitor for health.
Est. Remaining Contribution	>40
Category	B

T4	**Highclere Holly (Ilex altaclerensis)**
Height	10m
Single/Multi stemmed	Multi stemmed
Stem Diameter	0.45m
Branch Spread	N – 3m E – 3m S – 4m W – 3m
Height of Crown	1m
Age	Middle aged
Physiological Condition	Fair to poor
Structural Condition	Multi stemmed specimen of variable form with crown more heavily developed on south-eastern side.
Prel. Man. Recommendations	Monitor for stability
Est. Remaining Contribution	10-20
Category	C

T5	**Dead**

T6	**Sycamore (Acer pseudoplatanus)**
Height	6m
Single/Multi stemmed	Single stem
Stem Diameter	0.14m
Branch Spread	N – 2m E – 2m S – 2m W – 2m
Height of Crown	1m
Age	Young
Physiological Condition	Poor
Structural Condition	Tree of variable form that has suffered severe wire damage close to base of main stem which is liable to lead to failure in the foreseeable future.
Prel. Man. Recommendations	Remove
Est. Remaining Contribution	<10
Category	U

T7	**Crabapple (Malus spp)**
Height	5m
Single/Multi stemmed	Multi stemmed
Stem Diameter	0.35m
Branch Spread	N – 2m E – 5m S – 3m W – 2m
Height of Crown	1m
Age	Mature
Physiological Condition	Fair to poor
Structural Condition	Multi-stemmed specimen of variable form. Evidence of slight thinning of crown.
Prel. Man. Recommendations	Crown raise to 2m. Monitor for health.
Est. Remaining Contribution	10-20
Category	C

T8	**Crabapple (Malus spp)**
Height	4m
Single/Multi stemmed	Single stem
Stem Diameter	0.21m
Branch Spread	N – 3m E – 2m S – 2m W – 2m
Height of Crown	2m
Age	Mature
Physiological Condition	Poor
Structural Condition	Tree of reasonable form with extensive die-back and thinning throughout crown. This specimen is in a deteriorating condition.
Prel. Man. Recommendations	Remove
Est. Remaining Contribution	<10
Category	U

T9	**Sycamore (Acer pseudoplatanus)**
Height	10m
Single/Multi stemmed	Multi stemmed
Stem Diameter	0.2m
Branch Spread	N – 2m E – 3m S – 3m W – 2m
Height of Crown	3m
Age	Young
Physiological Condition	Poor
Structural Condition	Twin stemmed specimen that has suffered wire damage that is likely to lead to failure in the foreseeable future.
Prel. Man. Recommendations	Remove
Est. Remaining Contribution	<10
Category	U

T10	**Crabapple (Malus spp)**
Height	5m
Single/Multi stemmed	Single stem
Stem Diameter	0.26m
Branch Spread	N – 2m E – 4m S – 3m W – 0m
Height of Crown	2m
Age	Mature
Physiological Condition	Fair to poor
Structural Condition	Tree of poor form with crown more heavily developed on eastern side. Evidence of die-back within crown.
Prel. Man. Recommendations	Prune to remove major dead wood. Monitor for health.
Est. Remaining Contribution	10-20
Category	C

T11	**Crabapple (Malus spp)**
Height	5m
Single/Multi stemmed	Single stem
Stem Diameter	0.23m
Branch Spread	N – 0m E – 3m S – 3m W – 2m
Height of Crown	2m
Age	Mature
Physiological Condition	Fair to poor
Structural Condition	Tree of variable form with extensive die-back and thinning throughout crown.
Prel. Man. Recommendations	Prune to remove major dead wood. Monitor for health.
Est. Remaining Contribution	10-20
Category	C

T12	**Oak (Quercus robur)**
Height	8m
Single/Multi stemmed	Single stem
Stem Diameter	0.36m
Branch Spread	N – 6m E – 5m S – 1m W – 3m
Height of Crown	2m
Age	Middle aged
Physiological Condition	Fair to poor
Structural Condition	Tree of variable form with crown more heavily developed on northern side. Dense ivy on main stem and in lower crown prevents full inspection.
Prel. Man. Recommendations	Sever ivy at base. Crown raise to 4m. Monitor for health.
Est. Remaining Contribution	20-40
Category	C

T13	**Sycamore (Acer pseudoplatanus)**
Height	10m
Single/Multi stemmed	Single stem
Stem Diameter	0.43m
Branch Spread	N – 5m E – 5m S – 6m W – 4m
Height of Crown	3m
Age	Middle aged
Physiological Condition	Fair
Structural Condition	Tree of good form with well-balanced crown.
Prel. Man. Recommendations	No action required at this time
Est. Remaining Contribution	>40
Category	B

T14	**Crabapple (Malus spp)**
Height	7m
Single/Multi stemmed	Multi stemmed
Stem Diameter	0.3m
Branch Spread	N – 3m E – 2m S – 3m W – 2m
Height of Crown	1m
Age	Mature
Physiological Condition	Fair to poor
Structural Condition	Tree of variable form with evidence of thinning throughout crown.
Prel. Man. Recommendations	Prune to remove major dead wood. Monitor for health.
Est. Remaining Contribution	10-20
Category	C

T15	**Crabapple (Malus spp)**
Height	5m
Single/Multi stemmed	Single stem
Stem Diameter	0.32m
Branch Spread	N – 3m E – 2m S – 2m W – 3m
Height of Crown	2m
Age	Mature
Physiological Condition	Fair to poor
Structural Condition	Tree of reasonable form with evidence of thinning and die-back throughout crown.
Prel. Man. Recommendations	Prune to remove major dead wood. Monitor for health.
Est. Remaining Contribution	10-20
Category	C

T16	**Crabapple (Malus spp)**
Height	5m
Single/Multi stemmed	Multi stemmed
Stem Diameter	0.35m
Branch Spread	N – 1m E – 2m S – 4m W – 3m
Height of Crown	1m
Age	Mature
Physiological Condition	Fair to poor
Structural Condition	Tree of variable form with evidence of die-back within crown.
Prel. Man. Recommendations	Prune to remove major dead wood. Monitor for health.
Est. Remaining Contribution	10-20
Category	C

T17	**Sycamore (Acer pseudoplatanus)**
Height	12m
Single/Multi stemmed	Single stem
Stem Diameter	0.44m
Branch Spread	N – 5m E – 5m S – 6m W – 6m
Height of Crown	2m
Age	Middle aged
Physiological Condition	Fair to poor
Structural Condition	Tree of variable form. Main stem divides at 3m leading to twin-stemmed mid-crown. Evidence of severe inclusion within this lower fork that may lead to failure at a later date. Some remediation for this defect will be required. Evidence of minor squirrel damage throughout crown.
Prel. Man. Recommendations	Prune to remove squirrel-damaged branches. Crown raise to 3.5m. Prune to remove major dead wood. Monitor for health.
Est. Remaining Contribution	10-20
Category	C

T18	**Sycamore (Acer pseudoplatanus)**
Height	16m
Single/Multi stemmed	Multi stemmed
Stem Diameter	0.6m
Branch Spread	N – 6m E – 4m S – 8m W – 8m
Height of Crown	3m
Age	Middle aged
Physiological Condition	Fair to poor
Structural Condition	Twin-stemmed specimen of variable form. Some evidence of squirrel damage throughout crown.
Prel. Man. Recommendations	Monitor for health
Est. Remaining Contribution	20-40
Category	C

T19	**Sycamore (Acer pseudoplatanus)**
Height	16m
Single/Multi stemmed	Single stem
Stem Diameter	0.47m
Branch Spread	N – 9m E – 9m S – 9m W – 4m
Height of Crown	4m
Age	Mature
Physiological Condition	Fair
Structural Condition	Tree of good form with well-balanced crown. Main stem divides at 4m leading to multi-stemmed mid-crown. Evidence of slight thinning of foliage in upper crown.
Prel. Man. Recommendations	Monitor for health
Est. Remaining Contribution	>40
Category	B

G20	**Group of Sycamore (Acer pseudoplatanus), Hazel (Corylus avellana), Ash (Fraxinus excelsior), Elm (Ulmus spp), Hawthorn (Crataegus monogyna)**
Height	4m
Single/Multi stemmed	Multi stemmed
Stem Diameter	0.15m
Branch Spread	N – 1m E – 1m S – 1m W – 1m
Height of Crown	0m
Age	Middle aged
Physiological Condition	Fair to poor
Structural Condition	Gappy hedgerow sited on boundary. Trees and shrubs of generally poor form.
Prel. Man. Recommendations	No action required at this time.
Est. Remaining Contribution	10-20
Category	C

T21	**Sycamore (Acer pseudoplatanus)**
Height	16m
Single/Multi stemmed	Single stem
Stem Diameter	0.48m
Branch Spread	N – 6m E – 7m S – 6m W – 7m
Height of Crown	4m
Age	Mature
Physiological Condition	Fair to poor
Structural Condition	Tree of variable form. Main stem divides at 3m leading to multi-stemmed mid-crown. Evidence of severe inclusions within this lower fork which may lead to failure at a later date. Some remediation work will be required.
Prel. Man. Recommendations	Prune to remove epicormic shoots. Monitor for safety.
Est. Remaining Contribution	10-20
Category	C

T22	**Sycamore (Acer pseudoplatanus)**
Height	16m
Single/Multi stemmed	Single stem
Stem Diameter	0.73m
Branch Spread	N – 9m E – 10m S – 11m W – 8m
Height of Crown	2m
Age	Mature
Physiological Condition	Fair to poor
Structural Condition	Tree of variable form. Main stem divides at 2m leading to multi-stemmed mid-crown. Evidence of severe inclusion with associated decay within this lower fork.
Prel. Man. Recommendations	Undertake 25% overall crown reduction. Monitor for health.
Est. Remaining Contribution	10-20
Category	C

T23	**Sycamore (Acer pseudoplatanus)**
Height	18m
Single/Multi stemmed	Single stem
Stem Diameter	0.58m
Branch Spread	N – 6m E – 4m S – 6m W – 6m
Height of Crown	5m
Age	Mature
Physiological Condition	Fair to poor
Structural Condition	Tree of variable form. Main stem divides at 3m leading to multi-stemmed mid-crown. Evidence of severe inclusion within this lower fork.
Prel. Man. Recommendations	Undertake 20% overall crown reduction to reduce stress on weakened fork. Monitor for health.
Est. Remaining Contribution	20-40
Category	C

T24	**Purple Sycamore (Acer pseudoplatanus purpureum)**
Height	15m
Single/Multi stemmed	Single stem
Stem Diameter	0.46m
Branch Spread	N – 5m E – 5m S – 6m W – 6m
Height of Crown	2m
Age	Mature
Physiological Condition	Fair to poor
Structural Condition	Tree of reasonable form with evidence of thinning of foliage in upper crown.
Prel. Man. Recommendations	Monitor for health
Est. Remaining Contribution	20-40
Category	C

T25	**Hawthorn (Crataegus monogyna)**
Height	5m
Single/Multi stemmed	Single stem
Stem Diameter	0.18m
Branch Spread	N – 3m E – 2m S – 1m W – 1m
Height of Crown	0m
Age	Middle aged
Physiological Condition	Poor
Structural Condition	Tree of poor form leaning extensively to east due to partial failure of root plate. Evidence of basal decay which indicates this specimen is likely to fail.
Prel. Man. Recommendations	Remove
Est. Remaining Contribution	<10
Category	U

T26	**Oak (Quercus robur)**
Height	18m
Single/Multi stemmed	Single stem
Stem Diameter	0.84m
Branch Spread	N – 8m E – 10m S – 8m W – 10m
Height of Crown	4m
Age	Mature
Physiological Condition	Good to fair
Structural Condition	Notable hedgerow tree of good form. Extensive deadwood in lower crown which is normal for species of this age. Some ivy colonisation in mid crown which prevents full inspection. Some evidence of slight thinning and die-back of upper crown.
Prel. Man. Recommendations	Prune to remove any major deadwood that is at risk of failure in the foreseeable future. Monitor for health.
Est. Remaining Contribution	>40
Category	B

T27	**Hawthorn (Crataegus monogyna)**
Height	8m
Single/Multi stemmed	Single stem
Stem Diameter	0.17m
Branch Spread	N – 2m E – 2m S – 3m W – 1m
Height of Crown	2m
Age	Middle aged
Physiological Condition	Fair
Structural Condition	Tree of reasonable form with no obvious indications of serious structural defects. This specimen is slightly suppressed by more dominant trees to the west.
Prel. Man. Recommendations	No action required at this time
Est. Remaining Contribution	20-40
Category	B

T28	**Sycamore (Acer pseudoplatanus)**
Height	18m
Single/Multi stemmed	Multi stemmed
Stem Diameter	0.55m
Branch Spread	N – 3m E – 5m S – 6m W – 6m
Height of Crown	3m
Age	Middle aged
Physiological Condition	Fair to poor
Structural Condition	Triple stemmed specimen of variable form with evidence of significant squirrel damage throughout crown.
Prel. Man. Recommendations	Prune to remove seriously squirrel damaged branches. Monitor for safety.
Est. Remaining Contribution	10-20
Category	C

G29	**Group of Sycamore (Acer pseudoplatanus)**
Height	Up to 18m
Single/Multi stemmed	Single and multi stemmed
Stem Diameter	0.4m
Branch Spread	N – 4m E – 7m S – 5m W – 7m
Height of Crown	2m
Age	Middle aged
Physiological Condition	Fair
Structural Condition	Trees of reasonable form sited on vertical roadside bank
Prel. Man. Recommendations	Monitor for stability
Est. Remaining Contribution	20-40
Category	B

T30	**Silver Maple (Acer saccharinum)**
Height	21m
Single/Multi stemmed	Single stem
Stem Diameter	0.74m
Branch Spread	N – 10m E – 12m S – 11m W – 10m
Height of Crown	5m
Age	Mature
Physiological Condition	Good to fair
Structural Condition	Notable specimen of reasonable form. Crown more heavily developed on eastern side with possible accumulation of excessive end-weight on lateral branches extending to the east. Minor mechanical damage on north-eastern side at base of main stem has led to commencement of insignificant minor basal decay in this location.
Prel. Man. Recommendations	Shorten any excessively end-weighted lateral branches by 2-3m, pruning back to a suitable growing point. Monitor for safety.
Est. Remaining Contribution	20-40
Category	B

T31	**Silver Maple (Acer saccharinum)**
Height	19m
Single/Multi stemmed	Single stem
Stem Diameter	0.49m
Branch Spread	N – 6m E – 9m S – 6m W – 6m
Height of Crown	4m
Age	Mature
Physiological Condition	Good to fair
Structural Condition	Notable tree of reasonable up-right form. Some evidence of minor internal decay on main stem at 2.5m associated with old pruning wounds.
Prel. Man. Recommendations	Monitor for safety
Est. Remaining Contribution	20-40
Category	B

T32	**Silver Maple (Acer saccharinum)**
Height	21m
Single/Multi stemmed	Single stem
Stem Diameter	0.81m
Branch Spread	N – 8m E – 11m S – 12m W – 12m
Height of Crown	4m
Age	Mature
Physiological Condition	Good to fair
Structural Condition	Notable tree of reasonable form with crown more heavily developed on south-eastern side. Some evidence of storm damage to lateral branches is upper crown.
Prel. Man. Recommendations	Shorten any heavily end-weighted lateral branches extending to the south and east by 2-3m, pruning back to a suitable growing point. Monitor for safety.
Est. Remaining Contribution	20-40
Category	B

T33	**Lawson Cypress (Chamaecyparis lawsoniana)**
Height	16m
Single/Multi stemmed	Multi stemmed
Stem Diameter	0.6m
Branch Spread	N – 3m E – 3m S – 3m W – 3m
Height of Crown	0m
Age	Middle aged
Physiological Condition	Fair to poor
Structural Condition	Multi stemmed specimen of variable form with potentially weak basal forks that may become vulnerable to structural failure as this specimen matures.
Prel. Man. Recommendations	Monitor for safety
Est. Remaining Contribution	10-20
Category	C

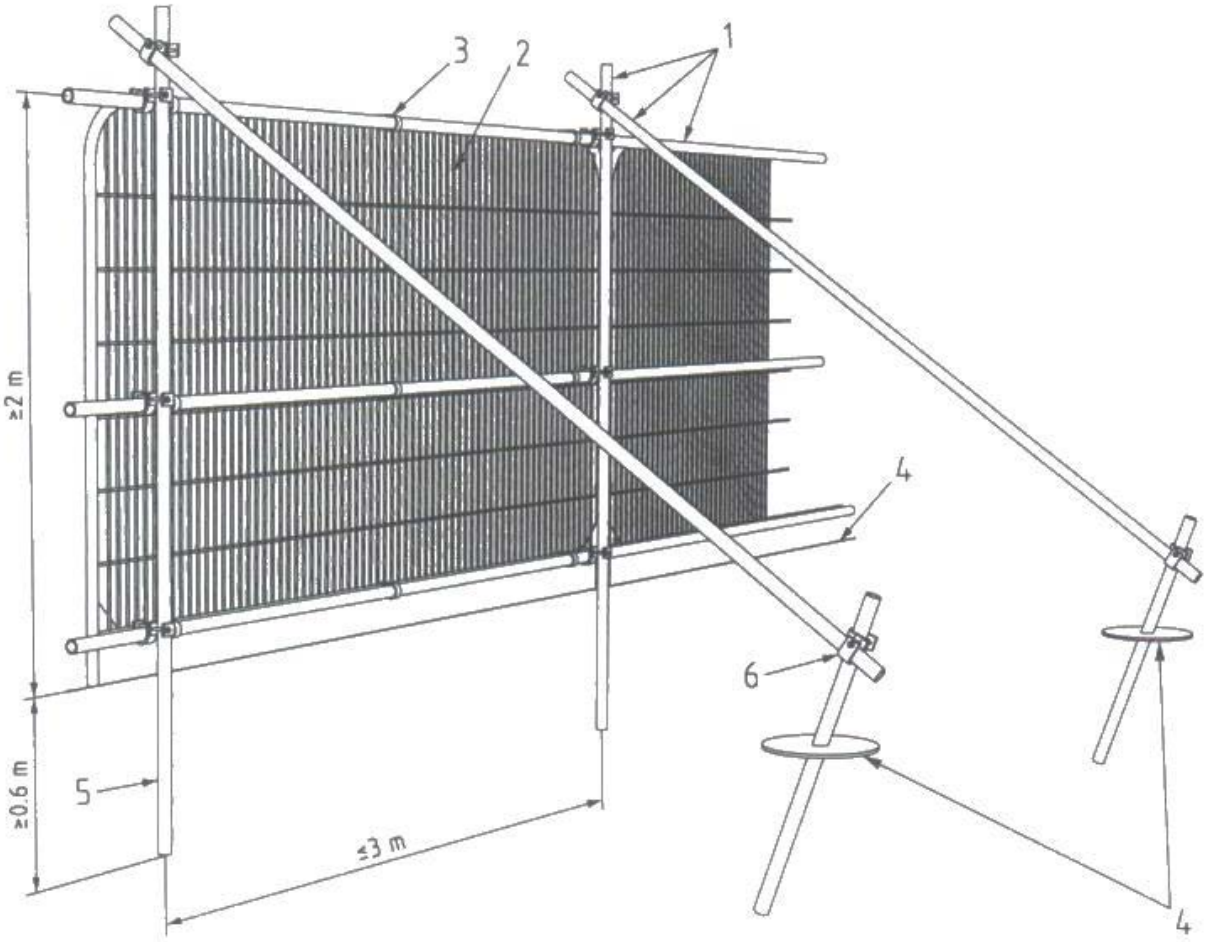
T34	**Silver Maple (Acer saccharinum)**
Height	16m
Single/Multi stemmed	Single stem
Stem Diameter	0.69m
Branch Spread	N – 6m E – 11m S – 10m W – 9m
Height of Crown	1m
Age	Mature
Physiological Condition	Good to fair
Structural Condition	Tree of reasonable form with crown more heavily developed on south-eastern side. Some epicormic shoots have developed on southern side of main stem.
Prel. Man. Recommendations	Prune to remove epicormic shoots at base. Shorten any heavily end-weighted lateral branches extending to the south-east by 2-3m, pruning back to a suitable growing point. Monitor for safety.
Est. Remaining Contribution	20-40
Category	B

T35	**Sycamore (Acer pseudoplatanus)**
Height	20m
Single/Multi stemmed	Single stem
Stem Diameter	0.68m
Branch Spread	N – 7m E – 8m S – 7m W – 5m
Height of Crown	4m
Age	Mature
Physiological Condition	Fair
Structural Condition	Tree of reasonable form with up-right crown habit. Main stem divides at 3m, leading to several co-dominant stems in mid crown. Evidence of potentially weak included forks at 3-4m which may become vulnerable to structural failure as this specimen matures.
Prel. Man. Recommendations	Monitor strength of forks in lower crown with a view to undertaking some form of crown reduction in the future to minimise risk of structural failure.
Est. Remaining Contribution	20-40
Category	B

Recommendations for Tree Protection during Development

Due to the high risk to established trees we would recommend the installation of protective fencing prior to commencement of **any** works on site in accordance with BS 5837:2012 "Trees in relation to Construction". Trees should be protected using scaffold frame supporting weld mesh panel fencing sited on the edge of the Root Protection Area as defined in BS5837:2012. These fenced areas should not be used for the storage of any plant machinery or materials and personnel should be excluded at all times; these fences should remain in situ until after final landscaping has been carried out, removed by hand with great care to prevent compaction or root damage to established trees. The services of a suitably qualified arborist should be sought **prior** to the commencement of each stage.

Figure 2 **Default specification for protective barrier**

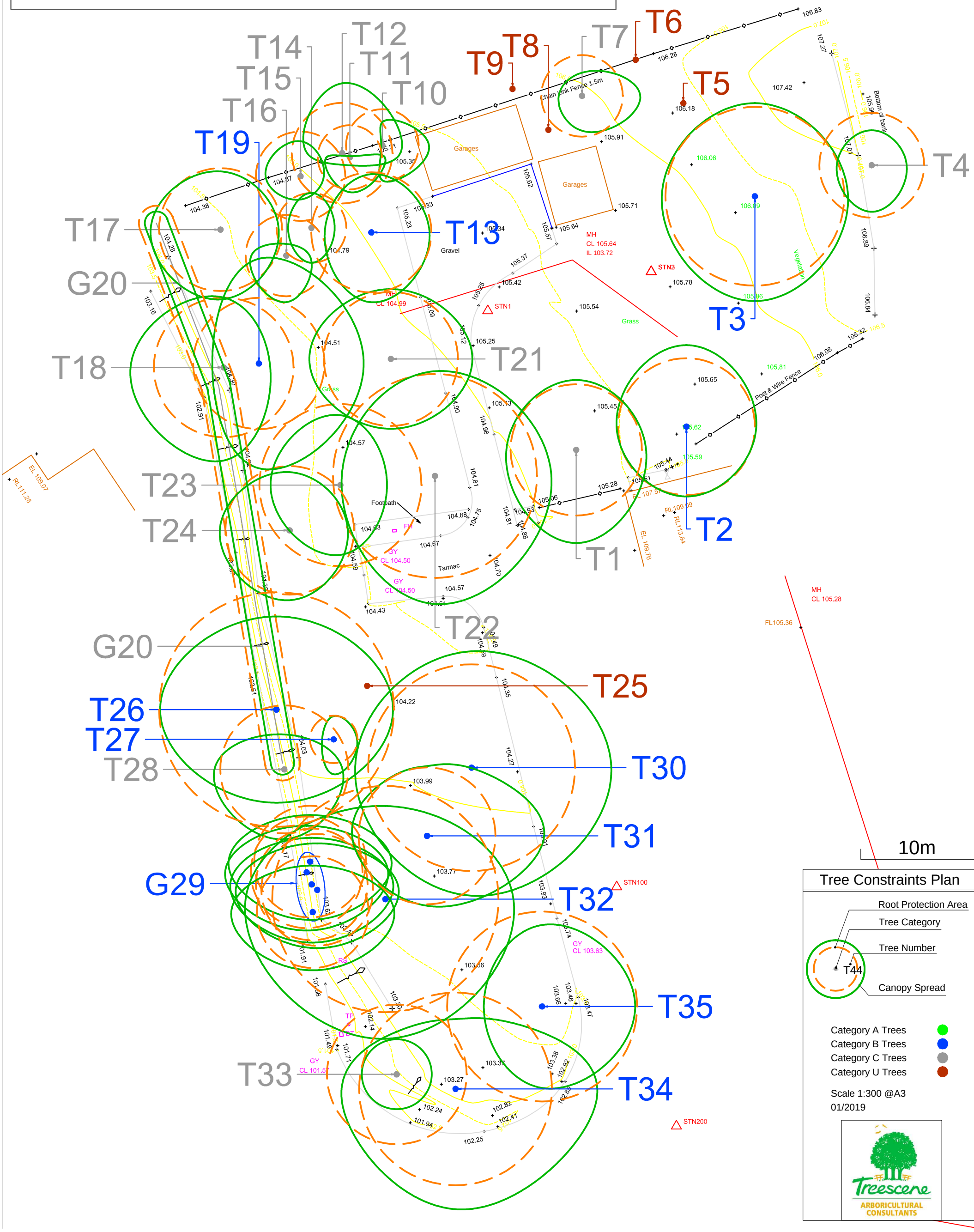


Key

1 Standard scaffold poles
2 Heavy gauge 2 m tall galvanized tube and welded mesh infill panels
3 Panels secured to uprights and cross-members with wire ties
4 Ground level
5 Uprights driven into the ground until secure (minimum depth 0.6 m)
6 Standard scaffold clamps

Maes-Y-Ffynon, Bonvilston

Tree Constraints Plan



Tree Constraints Plan

Root Protection Area

Tree Category

Tree Number

T44

Canopy Spread

Category A Trees

Category B Trees

Category C Trees

Category U Trees

Scale 1:300 @A3

01/2019

Treescene

ARBORICULTURAL CONSULTANTS

Arboricultural Impact Assessment
for
Maes Y Fynnon
Bonvilston

Inspected by:-
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22nd January, 2019

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1. BRIEF

I have been instructed by Mr Andrew Freegard of the Vale of Glamorgan to prepare an Arboricultural Impact Assessment (AIA) in relation to a proposed development on land at Maes Y Fynnon, Bonvilston.

2. TREE SURVEY AND PLAN

The information within this document is based on the Treescene Tree Survey 21.01.19 the Treescene Tree Retention/Removal Plan 01/2019 and the Treescene Draft Tree Protection Plan 01/2019.

3. TREES TO BE REMOVED

a) Arboricultural Reasons

Trees T5, T6, T8, T9 and T25 are recommended for removal in the Tree Survey due to poor quality (U category).

b) To Facilitate Development

Trees T1, T2, T3, T13, T14, T15, T16, T17, T18, T19, T21, T22, T23, T24, T30, T33, T34 and T35 are proposed for removal to accommodate the development layout. These are all C category trees (low quality) except trees T2, T3, T13, T19, T30, T34 and T35 which are B category.

Trees to be removed are indicated on the attached Treescene Tree Retention/Removal Plan 01/2019.

4. TREE PRUNING

Many of the trees to be retained contain structural defects/deadwood or may impede vehicle/pedestrian movements within the site. Works to improve tree safety or remove a potential source of nuisance are detailed in the Preliminary Management Recommendations within the Tree Survey. All pruning and felling/coppicing works are to be undertaken by suitably qualified and experienced Arboricultural Contractors working to BS3998:2010 Recommendations for Tree Work.

Tree Works Schedule:

T7	Crab Apple	Crown raise to 2m.
T10	Crab Apple	Prune to remove major deadwood.
T11	Crab Apple	Prune to remove major deadwood.
T12	Oak	Sever ivy at base. Crown raise to 4m.
T26	Oak	Prune to remove major deadwood.
T28	Sycamore	Prune to remove squirrel-damaged branches.
T32	Silver Maple	Prune to shorten end-weighted branches by 2-3m.

5. ROOT PROTECTION AREA (RPA) INCURSIONS

Generally there are limited conflicts between the proposed layout and the RPAs of trees to be retained. However, there are two instances where the development proposals overlap with the RPAs of retained trees:

T12	Shed in rear garden of Plot 2
T31 and T32	Visitor car parking spaces

In both cases the conflicts are slight and will not result in significant loss or damage to retained tree roots. However, in order to minimise any adverse impacts on the health of retained trees, special excavation and construction techniques will be employed when installing these structures.

6. PROTECTION OF RETAINED TREES

All trees to be retained should be protected by fencing in accordance with the details in BS5837:2012. The implementation of the tree protection on site should be in compliance with a site specific Tree Protection Plan (TPP) and Arboricultural Method Statement (AMS). A draft TPP is attached.

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Tree Retention/Removal Plan

T14 T15 T16 T19 T12 T11 T10 T9 T8 T7 T6 T5 T4 T17 T13 T18 T21 T3 T23 T24 T1 T2 T22 T25 T26 T27 T28 T30 T31 T32 T35 T33 T34 G20 G29

PLOT 1 - Type 1

PLOT 2 - Type 1

PLOT 7 - Type 1

PLOT 8 - Type 1

PLOTS 3 / 4 / 5 / 6 - Type 3

PLOTS 9 / 10 - Type 3

Scooter store

New carrigeway & footway to be formed in blockwork paviers with kerb sets - to highways approval

New tactile paving / dropped kerb crossing

New tactile paving / dropped kerb crossing

New tactile paving / dropped kerb crossing

Rumble strip

Extinguish existing turning head and landscape over - subject to highways approval

New dropped kerb for access for existing residents to new parking bays

New visitor parking spaces to highways approval

Adjust radius of bend / width of incoming road as per highways requirements

10m

Tree Retention/Removal Plan

Root Protection Area

Tree Category

Tree Number

T44

Canopy Spread

Trees to be Removed for Arboricultural Reasons

Trees to be Removed for Development Reasons

Category A Trees to be Retained

Category B Trees to be Retained

Category C Trees to be Retained

Scale 1:300 @A3

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Draft Tree Protection Plan

T12
T11
T10
T7
T4
G20
T26
T27
T28
G29
T31
T32

PLOT 1 - Type 1
PLOT 2 - Type 1
PLOTS 3 / 4 / 5 / 6 - Type 3
PLOT 7 - Type 1
PLOT 8 - Type 1
Scooter store
PLOTS 9 / 10 - Type 3

1 1
2 2
3 4 5 6 7 8 8 9 10

New carrigeway & footway to be formed in blockwork paviers with kerb sets - to highways approval

New tactile paving / dropped kerb crossing

New tactile paving / dropped kerb crossing

Rumble strip

New dropped kerb for access for existing residents to new parking bays

Extinguish existing turning head and landscape over - subject to highways approval

New visitor parking spaces to highways approval

Adjust radius of bend / width of incoming road as per highways requirements

10m

Draft Tree Protection Plan

Root Protection Area
Tree Category
Tree Number
T44
Canopy Spread

Protective Fencing

Category A Trees
Category B Trees
Category C Trees

Scale 1:300 @ A3
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