T.P.Marsh

R.F.S. Cert Arb. NCH

ARBORICULTURAL CONSULTANT

TREE SURVEY

DATE: **August 2010**

SITE : **75-81 Midlands Estate**
West End
Southampton
Hants
SO30 3AD

CLIENT: **First Wessex**

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Report and Assessment

of

T. P. Marsh

Qualifications and Experience

My professional qualifications are:

Royal Forestry Society Certificate in Arboriculture

Surrey County Certificate in Arboriculture (Credit)

National Certificate in General Horticulture

Yorkshire County Certificate General Horticulture

I entered the private sector in 2002 having previously having previously been professionally employed has an Arboricultural Officer in Local Government for twenty-eight years, twenty-four years of which have been within a Planning Department.

1.0 SUMMARY:

- The compilation of this document was undertaken in order to assist the Local Planning Authority to make an informed judgement on the proposed Planning Application and to assist the design team.

- No information is available at the time of writing the report with regard to status of the trees with regard to the existence of either a Tree Preservation Order or if they are located within a Conservation Area.

- The Weeping Willow 08 may be on land under the ownership of Eastleigh Borough Council.

- The site consists of V shaped plot at the end of a Cul-de-sac off the public highway named Midlands Estate.

- The Ash coppice stool 05 is a short term specimen and should be removed and as such that recommended for removal regardless of any potential redevelopment of the site.

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One: Location Plan TM-503-01
Two: Tree Survey Definitions

2.0 INTRODUCTION:

In response to instructions from First Wessex the inspection of the trees within the combined survey area 75-81, Midlands Estate, West End Southampton, SO30 3AD was undertaken on the 16 August 2010.

3.0 BRIEF:

The object of this inspection was to identify the trees in question, to assess their condition species and Amenity impact as per the guidance within prescribed within BS5837 2005, "Trees in relation to construction - Recommendations".

4.0 LOCATION:

4.1 The survey area comprises the V shaped plot of land at the end of a Cul-de-sac off the public highway named Midlands Estate and to the south of the High Street B3035.
Nation Grid Ref: SU 465142.

5.0 RESTRICTIONS:

5.1 No information is available at the time of writing the report with regard to status of the trees in regard to the existence of a Tree Preservation Order or that of a Designated Conservation Area. The Weeping Willow may be growing on land owned by Eastleigh Borough Council

5.2 The contact address for Eastleigh Borough Council Development Control is: Civic Officers, Leigh Road Eastleigh SO50 9YN.
The Council main switch number is: 023 8068 8000

5.3 The Local Authority Arboricultural Officers contact address is Eastleigh Borough Council, Countryside and Recreation Department, Civic Offices, Leigh Road, Eastleigh Hants SO509YN.

The Senior arboricultural officer for the Council is
Mr. Tim Holman. Telephone number 023 8068 8471

5.4 A license from the Forestry Commission is normally required to fell growing trees, (Forestry Act 1967) however an occupier may fell up to 5 cubic metres per calendar quarter without a license provided that not more than 2 cu metres are sold. A Felling Licence is not required if the work is undertaken in accordance with an approved Planning Permission or the trees are dead or dangerous. Advice can be obtained form The Forestry Commission, South East Conservancy telephone number 01420 23337.

6.0 SURVEY NOTES

6.1 I carried out my inspection on the 16 August 2010 with my observations being made from ground level. The survey involved a visual inspection of the trunk, together with major branches and forks of the canopy. This examination was undertaken with the assistance of binoculars where necessary. Access to trees located off the site was not available and therefore any observations made relating to these trees are confined to those available from within the survey area.

6.2 The trees within the site have been given consecutive numbers. Their identification number is annotated on the submitted plan together with their approximate position. Their identification number is annotated on the submitted plan together with their approximate position. This drawing is located in the appendices drawing number TM-503-01 and based on a drawing topographical survey undertaken by J C Radford Site Engineering and Land Surveyors Ltd.

6.3 The height measurements are approximations and have not been calculated using a clinometer. Where the canopy extends over an adjacent property or in some cases where the understorey is very dense, the canopy spread has been estimated and stated as such within the tree schedule.

6.4 This report is based on the condition of the tree at the time of inspection. Trees are dynamic and their condition changes throughout their lives. No inspection has been made of the soil structure. No account has been taken of the possible effects of the tree/s or their removal directly or indirectly on any building/s or structures relating to the possibility of subsidence or heave. Regular inspections of the tree/s should be undertaken to monitor their health and determine appropriate management.

6.5 This report is to be used for the purposes for which it is prepared as specified in paragraph 3 at the beginning of this document.

7.0 TREE SURVEY SCHEDULE

Including Root Protection Area calculations

8.0 ARBORICULTURAL CONSTRAINTS;

8.1 The tree survey is intended to inform both the design team and Local Authority which trees form an important contribution to the local amenity.

8.2 No information is available at the time of writing the report with regard to status of the trees in regard to the existence of a Tree Preservation Order or that of a Designated Conservation Area. The Weeping Willow 08 may be growing on land owned by Eastleigh Borough Council.

8.3 The survey area comprises the V shaped plot of land at the end of a Cul-de-sac off the public highway named Midlands Estate and to the south of the High Street B3035. The area comprises two blocks of bungalows providing seven dwellings.

8.4 The principle trees within the survey area are the Sycamore 03 and those located on land owned by other parties.

8.5 The Ash coppice stool 05 is a short term specimen and should be removed and as such that recommended for removal regardless of any potential redevelopment of the site.

9.0 CONCLUSIONS:

9.1 It is believed that the Weeping Willow 08 is located on land owned by Eastleigh Borough Council.

9.2 The survey captured data on:

Cat A	Cat B1	Cat B2	Cat C1	Cat R	Total individual trees surveyed	Groups
Nil	Nil	1	6	1	8	1

Trees recommended for removal regardless of any proposed development. One.

APPENDIX One : Survey and Constraints drawing

TM-503-01

APPENDIX TWO TREE SURVEY DEFINITIONS:

An assessment was made on the condition of the trees and the recommendations stated are based on the finding of the inspection. The following headings have been used for ease of reference;-

1 0 **SPECIES** Both common English name and Botanical name have been stated.

2.0 **CATEGORY** Utilises the British Standard formula found in BS 5837: 2005 'Guide for Trees in relation to construction' Tree quality assessment (See cascade table)

3.0 **AGE CLASSIFICATION**

YOUNG;	Less than 1/3 life expectancy.	**(Y)**
SEMI-MATURE;	1/3 to 2/3 life expectancy.	**(SM)**
MATURE;	Over 2/3 life expectancy.	**(M)**
OVER MATURE;	Mature and in a state of decline	**(OM**

4.0 **FUTURE POTENTIAL**

Nil;	Should be removed.
Short term;	0-5 years.
Medium term;	5-25 years.
Long term;	25 years plus.

BS 5837 2005 Tree categories

TREES FOR REMOVAL				
Category and definition	Criteria			Identification on plan
Category R Those in such a condition that that any existing value would be lost within 10 years and which should in the current context be removed for reasons of sound arboricultural management	▪ 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 removing other R category trees (i.e. where for what so ever reason the loss of companion shelter cannot be mitigated by pruning). ▪ Trees that are dead or 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 (i.e. Dutch Elm Disease) or very low quality trees suppressing adjacent trees of better quality. NB Habitat reinstatement may be appropriate (i.e. R category tree used as a Bat roost: installation of Bat box in nearby tree)			**DARK RED**
TREES TO BE CONSIDERED FOR RETENTION				
Category and definition	Criteria – sub categories			
	1 mainly **arboricultura**l values	2 mainly **landscap**e values	3 mainly **cultural** values including conservation	
Category A **Those of high quality and value:** in such a condition as to be able to make a substantial contribution (a minimum of 40 years is suggested).	Trees that are particularly good examples of their species especially if rare or unusual or essential components of groups or formal or informal arboricultural feature. (e.g. the dominant and or principle trees within an avenue).	Trees groups or woodlands which provide a definite screening or softening effect to the locality in relationship to views into or out of the site or those of particular visual importance (e.g. avenues or other arboricultural features assessed as groups).	Trees groups or woodlands of significant conservation historical commemorative or other value (i.e. veteran trees or wood-pastures)	**LIGHT GREEN**
Category B **Those of moderate quality and value:** those in such a condition as to make a significant contribution (a minimum of 20 years is suggested)	Trees that might be included in the higher category, but are downgraded because of impaired condition (e.g. presence of remediable defects including unsympathetic past management and minor storm damage).	Trees present in numbers usually as groups or woodlands such that they form a distinctive landscape features thereby attracting a higher collective rating than they might as individually essential components of formal or semi-formal arboricultural features (e.g. trees of moderate quality within an avenue that includes better A category specimens) or trees situated mainly internally to the site therefore individually having little visual impact on the wider locality.	Trees clearly identifiable conservation or cultural benefits.	**MID BLUE**
Category C **Those of low quality and value:** Currently in adequate condition to remain until new planting could be established (a minimum of 10 years is suggested) or young trees with a stem diameter below 15mm	Trees not qualifying in higher categories.	Trees present in groups or woodlands but without this conferring on them significant greater landscape value and or trees offering low or only temporary screening benefit.	Trees with very limited conservation or other cultural benefits.	**GREY**

X

Tree Survey; 75-81 Midlands Estate Midlands Estate, West End Hants SO30 3AD August 2010 pg 1

Tree N°		Species	Height m	Trunk Diameter mm	Canopy Spread m Radial	Cat	Future Potential	Age	Comments	Action
01		Oak (Quercus robur)	10.0	400	N: 5.0 S: 5.0 E: 4.5 W: 5.0	C1	Short	Y	Located off site to the rear of number 81 adjacent to a brick garage. The trunk forks at 2m to form tow stems. West stem; bows towards the west. East stem; high pruned to a height of 4m. Dense ivy covers 70% of the canopy. Clear stem	
02		Ash (Fraxinus excelsior)	15.0	400	N: 6.0 S: 5.0 E: 5.7 W: 5.0	C1	Medium	SM	Located within the site adjacent to fence line. The trunk forks at 6m to form multiple leaders. All leaders reduced with 4m regrowth. Clear stem south 5m.	
03		Sycamore (Acer pseudoplatanus)	16.0	300	N: 5.0 S: 4.0 E: 3.0 W: 5.0	B2	Medium	SM	Located off site adjacent to the boundary fence. The trunk forks at 4m to form 2x 280mm dia stems, both sub-divide to from multiple leaders. Clear stem 5m.	
04		Silver Birch (Betula pendula)	8.0	280	N: 3.0 S: 2.5 E: 3.0 W: 3.5	C1	Short	SM	Growing through Holly and Yew. The trunk kinks at 2m & 3m and forks at 4.5m to from two stems. Clear stem 4.5m SE.	
05		Ash (Fraxinus excelsior)	6.0	400 Basal	N: 4.0 S: 3.0 E: 4.0 W: 3.0	**R**	Short	Y	Located within the rear garden number 79. Regrowth from coppice stool. 7x stems below 100mm TD. Clear stem 2m.	
06		Beech (Fagus sylvatica)	19.0	600	N: 5.0 S: 6.0 E: 7.0 W: 5.0	C1	Medium	SM	Located off site to the rear 78. The trunk forks at 4.5m to form 3x 400mm dia stems. North stem; reduced in the past at 6m with established regrowth. Two branches reduced to the boundary line on the western aspect of the canopy. Clear stem 4m. Linked canopy.	

Tree N^{o}		Species	Height m	Trunk Diameter mm	Canopy Spread m Radial	Cat	Future Potential	Age	Comments	Action
07		Norway spruce (Picea abies)	19.0	600	N: 5.0 S: 6.0 E: 7.0 W: 5.0	C1	Medium	SM	Located off site to the rear 78. The trunk forks at 14m to form two leaders. Canopy suppressed by adjacent Beech tree. Clear stem 4.5m	
08		Weeping Willow (Salix babylonica)	18.0	850	N: 6.6 S: 8.5 E: 8.0 W: 8.0	C1	Medium	M	Located within triangular shape grassed area outside number 75. The trunk initially grows at 60^{0} to the west. Stem swelling at 2.3m on the eastern aspect. The trunk forks above 4m to form multiple 350mm dia stems, one reduced on the NNW. Minor cavities within the canopy framework. Pendulous growth low over public footpath.	Possibly EBC Tree. Crown lift to 4m.

G1	Cat C1	20x Leyland cypress (Cuprocyparis leylandii)	Located along northern boundary to the rear of 81 Midlands Estate. Linear group of 20x Leyland cypress, planted at 1m spacing. The 6 western most stems dead. Height 3 to 4.5m. Canopy spread south 1.6m. Foliage emanates above 2m

Cat A	Cat B1	Cat B2	Cat C1	Cat R	Total individual trees surveyed	Groups
Nil	Nil	1	6	1	8	1

Trees recommended for removal regardless of any proposed development: One

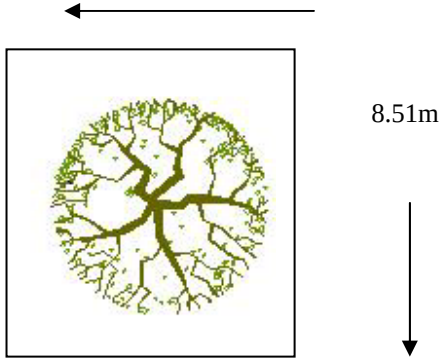
TREE ROOT PROTECTION Site: 75-81 Midlands Estate Midlands Estate, West End August 2010 pg 1

Calculation Table for Root Protection BS 5837 2005.

Tree N°	Species	Stem Diameter @ 1.5m (mm)	Multi-stem	Circle Radius (m)	Radius Squared (m2)	Root Protection Area (m2)	Length of Sides of Square (m)	Modified by
01	Oak	400	-	4.80	23.04	72.38	8.51	
02	Ash	400	-	4.80	23.04	72.38	8.51	
03	Sycamore	300	-	3.60	12.96	40.72	6.38	
04	Birch	280	-	3.36	11.29	35.47	5.96	
05	Ash	-	400	4.00	16.00	50.27	7.09	Fell
06	Beech	600	-	7.20	51.84	162.86	12.76	
07	Spruce	330	-	3.96	15.68	49.27	7.02	
08	Willow	850	-	10.20	104.04	326.85	18.08	

Example

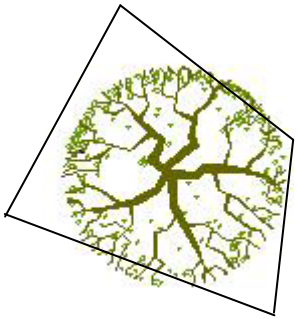
Tree Single trunk with
400mm TD
Root protection Area equals
72.3 sq m

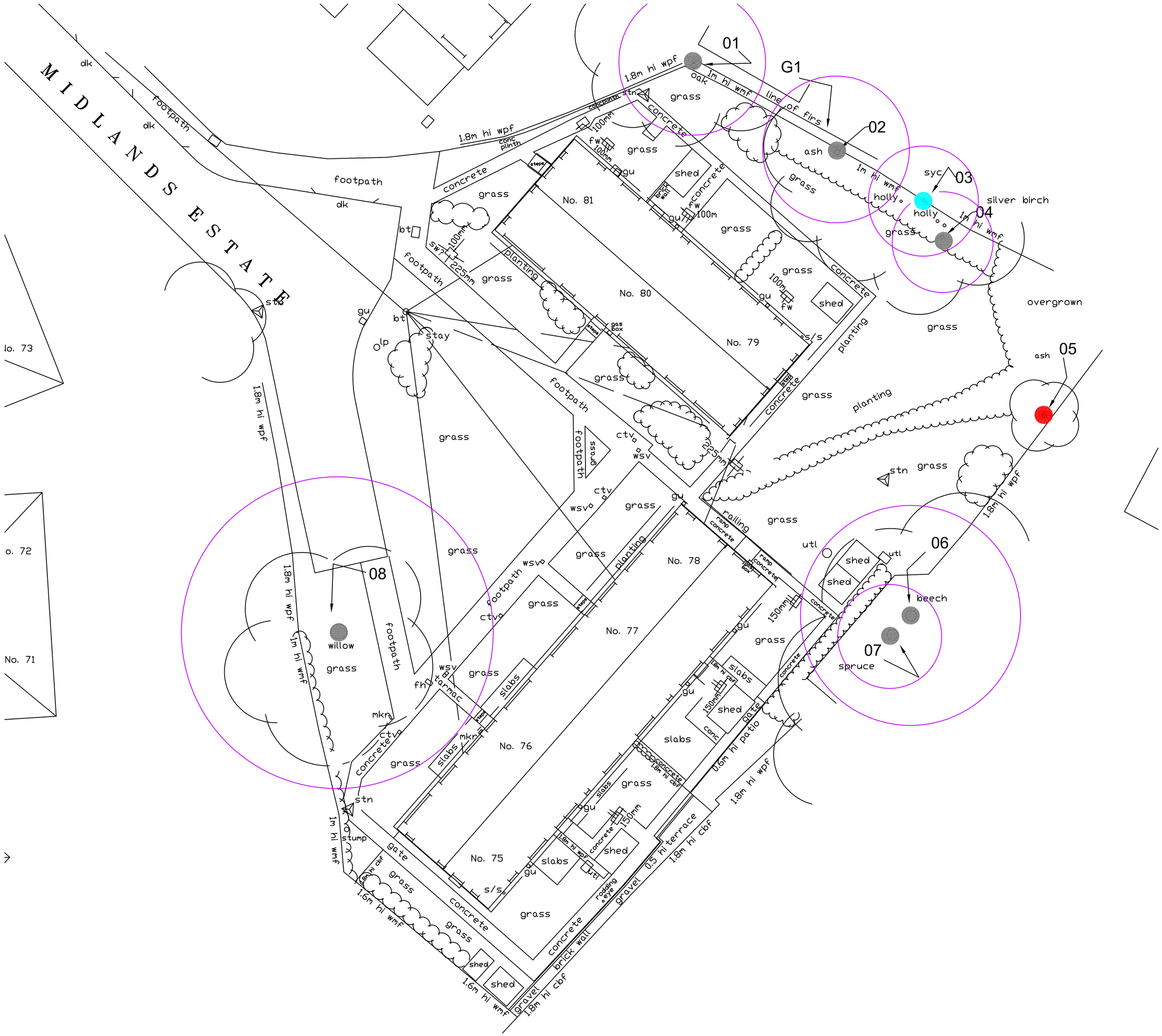


8.51m

OR

72.3
sq m





LEGEND

Colour coding, utilising the British Standard formular stated within BS 5837: 2005

Trees in relation to construction - Recommendations

- (A) Trees whose retention is most desirable: High category,colour Green.
- (B1) Trees where retionion is desirable: Moderate category,colour Blue.
- (B2) Trees where retionion is desirable: Moderate category, Group, colour Cyan.
- (C) Trees which could be retained: Low category, colour Grey
- (R) Trees for removal: Fell category, colour red.
- Root Protection Area

indicative

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PROJECT
MIDLANDS ESTATE
WEST END

DRAWING TITLE
TREE SURVEY

CLIENT
FIRST WESSEX

DWG. NO TM. 503.01
SCALE 1:200 @ A2
DATE AUGUST 2010
DWG. BY TM