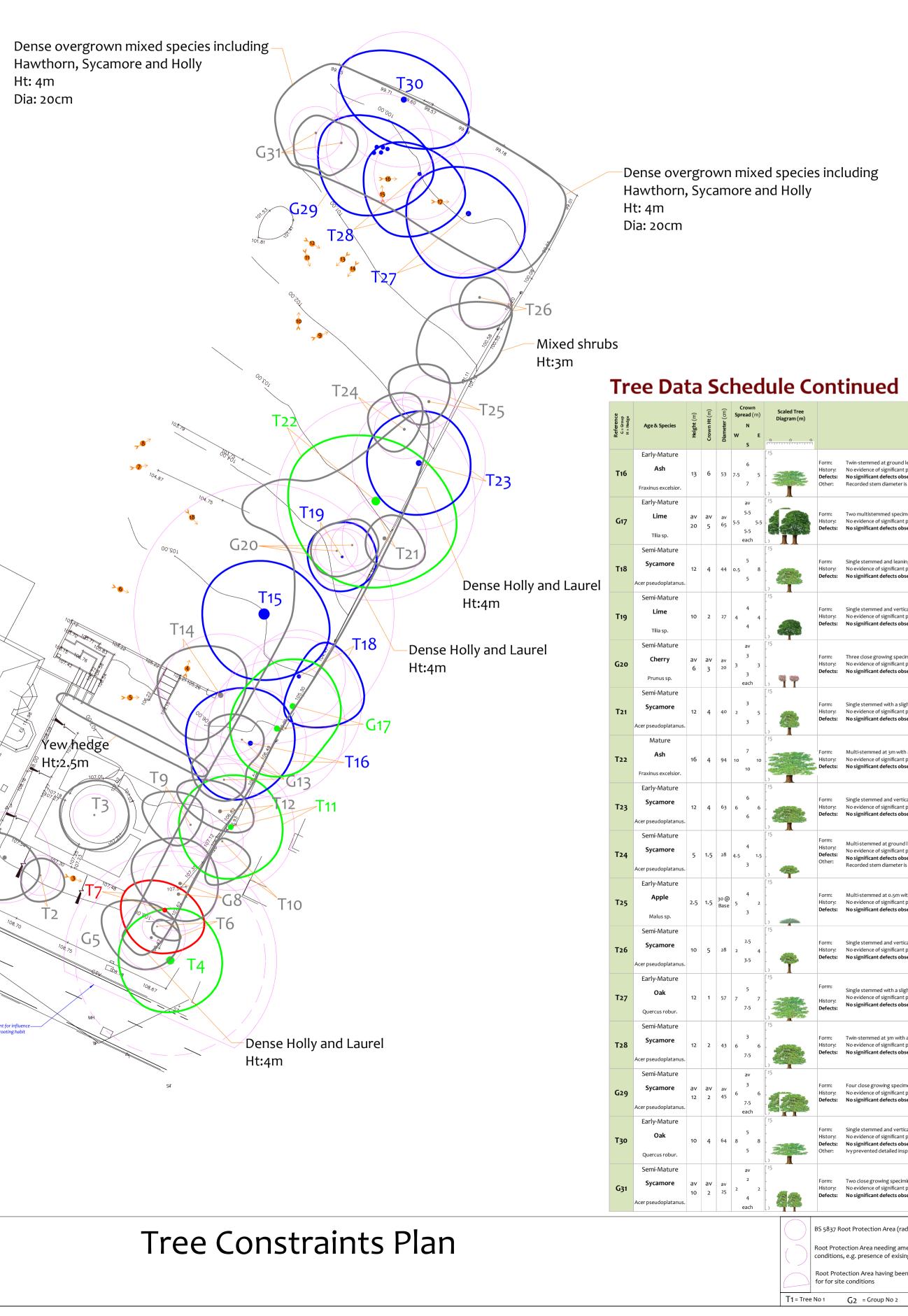
Site Overview

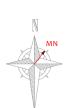


Tree Data Schedule

ence oup dge		t (m)	Ht (m)	Diameter (cm)	Crov Spread	l (m)	Scaled Tree Diagram (m)						(Independ		Vigour	Amenity Value	
Reference G= Group H = Hedge	Age & Species	Height (m)	Crown Ht (m)	amete	w N	E					Notes		developmen	t proposals)	Physiological Condition	Life Expectancy (yrs)	
-	Foulst # 4 - 4	-	Š	Dia	s		!5						Priority	Inspect Freq (vrs)	Structura Condition		
	Early-Mature				2.5	ŀ	· ·	Form: History:		med at 1.5m ce of significa	with an unbalanced crown. nt pruning.		N		Moderate	Low	
T1	Pissards Plum	5	2	43	4.5	4.5		Defects:	Significant	decay and e	merging ganaderma decay brackets to l	base	No action	required.	Fair	<10	
	Prunus cerasifera 'pissardii'.				5	-		Other:		e included ba condition a	rk at 1.5m. t present due to location.	-	n/a	1.5	Poor	C	
	Semi-Mature					L [25						ii/a	··>	Moderate	Low	-
	Apple				2	ŀ		Form: History:		med at 0.5m ce of significa	with a balanced crown. nt pruning.		No action	required.	Moderate	Low	
T2		3.5	1	19	2	3 .		Defects:	No signific	ant defects	observed.			,	Good	20-40	
	Malus sp.				3)	Other:	Recorded :	stem diamet	er is equivalent for 2 stems (16cm, 10cm)	<i>.</i>	n/a	3	Good	C	
	Semi-Mature					Ē	!5								Moderate	Low	
Т3	Magnolia	3.5	0.5	20	4	4		Form: History:		med at grou ce of significa	nd level with a balanced crown. nt pruning.		No action	required.	Good	10-20	
.,	Magnolia sp.	.,			4	"	- 1 and 1 Martines	Defects:		ant defects					Fair	-	
						[25						n/a	3	Fair	C	_
	Mature				6	-	ر.	Position:		n third party					Moderate	High	
Т4	Ash	15	7	90	6	6		Form: History:	Multiple p	runing woun	rtical with a balanced crown. ds due to crown reduction.		No action	required.	Good	40+	
	Fraxinus excelsior.				6	-		Defects: Other:	-	ant defects pection, dim	bbserved. ensions estimated.	-			Fair		
	Semi-Mature				av	[Г	25		_				n/a	3			-
	Beech	211	314		av 3	ŀ		Form:		growing spe			Remove		Low	Moderate	
G5	Beech	av 7.5	av 1.5	av 30	6	3 -	A STATE OF ST	History: Defects:	Symptoms		rk disease (bark lesions, die back and ex	(udates)	height	to 4m.	Poor	10-20	
	Fagus sylvatica.				4 eac	h	, A		both trees	have signifi	cant decay colums at 1m within stems.	-	Moderate	2 1	Fair	C	
	Young					[25								High	Low	-
70	Beech				1	-		Form:			slight lean and an unbalanced crown.		No action	required.			
Т6		4	1.5	14	0.5 1	3 .		History: Defects:		ce of significa ant defects					Good	40+	
	Fagus sylvatica.					[, 🌴						n/a	3	Good	C	
	Early-Mature					-	15	Form:	Twin-stor	med at 1 cm	with a slightly unbalanced crown.				Low	Low	
T7	Beech	12	5	50@	5	5		History: Defects:	No eviden	e of significa	nt pruning.		Rem	ove.	Very Poor	<10	
.,	Fagus sylvatica.		ĺ	Base	5	Í		Other:	Symptoms of beech bark disease (bark lesions, die back and exudates). Major die back throughout.		kudates).			Poor			
						[r	25						High	N/A	FUU	U	
	Semi-Mature				av 5	-	-	Form:	Two closes	growing spe	rimins				Low	Low	
G8	Beech	av 12	av 2	av 35	6	4	AND STREET	History:	No evidend	ce of significa	nt pruning.		Mon	itor.	Poor	20-40	
	Fagus sylvatica.		1		3	ь		Defects:	Minor die	back to uppe	г сапору.		Moderat		Fair	C	
	Semi-Mature				eac	<u>יי</u> נו ן	25	Moderate 1			-						
	Sycamore				3	ŀ		Form:			ning with an unbalanced crown.		No action	required.	High	Low	
Т9		5	2	21	6	1		History: Defects:		ce of significa ant defects				1	Good	20-40	
	Acer pseudoplatanus.				3	-			0				n/a	3	Good	C	
	Semi-Mature					Ē	!5	Position:	Situated o	n third party	land.				High	Low	
T10	Sycamore	6	4	20	0.5			Form: History:	Single sten		ning with an unbalanced crown.		No action	required.	Good		
110	Acorport		4	20	0.5 5	4	. All la	Defects:	No signific	ant defects	observed.					20-40	
	Acer pseudoplatanus.					[Other:	Limited ins	pection, dim	ensions estimated.		n/a	3	Fair	C	
	Early-Mature				6	-	!5	Form:	Single ster	nmed and ve	rtical with a balanced crown.		Remove	e ivy and	Moderate	Moderate	
T11	Lime	15	4	60	6	6		History:	No evidence	ce of significa	nt pruning.		inspect : defe	stem for	Good	40+	
	Tilia sp.				6	ŀ	Con March	Defects: Other:		ant defects ted detailed		-			Fair		
	Early-Mature					[r	25						Moderate	2 1		~	
	-			_	3	-		Form:			th a balanced crown.		Neat	rocul	Low	Low	
T12	Pear	3	1.5	40 @ Base	5-5	4		History: Defects:	No signific	e of significa ant defects			No action	required.	Poor	10-20	
	Pyrus sp.				2	-		Other:	Smothered	l in ivy.		-	n/a	3	Fair	- C -	
	Semi-Mature				av	L	25						n _l a	3	High	Low	
	Holly	av	av	av	2.5	; [Form:		stemmed sp			No action	required.	High	Low	
G13		5	1	20	4 2.5	2.5		History: Defects:		e of significa ant defects					Good	40+	
	llex aquifolium.				eac	Г) 🗳 🚢						n/a	3	Good	C	
	Early-Mature					-	15	Form	Singlester	nmed with -	slight lean and an unbalanced crown.				Low	Low	
T14	Purple Beech	11	1.5	58	5 7.5	2.5		Form: History:	No eviden	ce of significa	nt pruning.		Mon	itor.	Poor	10-20	
. 14	Fagus sylvatica		,	5	7.5		Corres D	Defects:			rk disease (bark lesions and die back) sig north and south.	gnificant			Foor	-	
	'purpurea'.						25						Moderate	2 1	Fair	C	_
	Mature				6	-	.,	Form:	Single ster	nmed and ve	rtical with a balanced crown.		Monitor d	leadwood	Low	Low	
T15	Oak	17	1.5	123	7	8		History: Defects:	No evidence	ce of significa			monitor d		Poor	20-40	
	Quercus robur.				7.9	-		Other:	Tree in dec			-	M . 1		Poor	_	
	· · · · · · · · · · · · · · · · · · ·					[Moderate	2 1			
Drawing	No: CCL 10	256	51		ר /	СР	Rev: 2		T		Retention Categories	0				d life expectancy of 4 sence or smaller tree	
Title:	Tree	-		rai	•			YE		s C	tems & canopies shown	$\mathbf{\odot}$				es is highly desirable.	
ine.	nee			g Layo		iall		AV.	Ç	\odot	Category A tree					xpectancy of 20+ year	
<u></u>	Land adjace							A C	(Dalate	Õ	Category B tree	\odot				es with good form. R than Category A tree	
Site:	,	EN6			- '				7 N T			\bigcirc				I merit. Individual spe	cimens
o L	5			10 		15m	Arboric	CROW			Category C tree					anning consideration.	
Scale:	1:300				Pape	Size:		01422 31666		\odot	Category U tree	\odot	Trees	unsuitable	for retention due to t	heir very poor condit:	ion.

RPA after amending to account for influenc of local topography on likely rooting habit





Tree Constraints Plan (Existing Layout)

ued									
	Recommendations	Vigour	Amenity Value						
Notes	(Independent of any development proposals)	Physiological Condition	Life Expectancy (yrs)						
	Priority Inspect Frea (vrs)	Structural Condition	Retention						
emmed at ground level with a balanced crown.		Moderate	Low						
lence of significant pruning. ificant defects observed.	No action required.	Good	40+						
ed stem diameter is equivalent for 2 stems (36cm, 39cm).	n/a 3	Good	В						
		Moderate	Moderate						
ultistemmed specimens. Ience of significant pruning.	No action required.	Good	40+						
ificant defects observed.	n/a 3	Fair	Α						
	n/a 3	High	Low						
stemmed and leaning with an unbalanced crown. lence of significant pruning.	No action required.	Good	20-40						
ificant defects observed.		Fair							
	n/a 3								
stemmed and vertical with a balanced crown.	No action required.	High	Low						
lence of significant pruning. ificant defects observed.		Good	40+						
	n/a 3	Good	В						
lose growing specimens.	No action required	Moderate	Low						
lence of significant pruning. ificant defects observed.	No action required.	Good	20-40						
	n/a 3	Good	C						
stopping with a distribution of descent stopping t		High	Low						
temmed with a slight lean and an unbalanced crown. lence of significant pruning.	No action required.	Good	20-40						
ificant defects observed.	n/a 3	Good	С						
		Moderate	Moderate						
temmed at 3m with a balanced crown. lence of significant pruning.	No action required.	Good	40+						
ificant defects observed.		Good							
	n/a 3	112-24							
stemmed and vertical with a balanced crown.	No action required.	High	Low						
lence of significant pruning. ificant defects observed.		Good	40+						
	n/a 3	Good	В						
temmed at ground level with an unbalanced crown.	No action required.	High	Low						
lence of significant pruning. ificant defects observed . ed stem diameter is equivalent for 3 stems (21cm, 12cm, 14cm).	no action required.	Good	40+						
	n/a 3	Good	C						
temmed at 0.5m with an unbalanced crown.		Moderate	Low						
lence of significant pruning. ificant defects observed.	No action required.	Fair	10-20						
inicalit defects observed.	n/a 3	Fair	C						
		High	Low						
stemmed and vertical with an unbalanced crown. lence of significant pruning.	No action required.	Good	40+						
ificant defects observed.		Good	C +						
	n/a 3	Moderate	Low				Root P	rotectio	on Area
stemmed with a slight lean and a slightly unbalanced crown. lence of significant pruning.	No action required.	Good	40+	Tree Ref.	Species	Height (m)	Radius (m)		Square (
ificant defects observed.		Good	_	T1 T2	Pissards Plum Apple	5 3.5	5.2 2.3	84 16	9.1 4.0
	n/a 3			T3	Magnolia	3.5	2.4	18	4.3
emmed at 3m with an unbalanced crown.	No action required.	High	Low	T4 G5	Ash Beech	15 7.5	10.8 3.6	366 41	19.1 6.4
lence of significant pruning. ificant defects observed.		Good	40+	Т6	Beech	4	1.7	9	3.0
	n/a 3	Good	В	T7 G8	Beech Beech	12 12	5.0 4.2	79 55	8.9 7.4
ose growing specimens.	No	High	Moderate	Т9	Sycamore	5	2.5	20	4.5
lence of significant pruning. ificant defects observed.	No action required.	Good	40+	T10 T11	Sycamore Lime	6 15	2.4 7.2	18 163	4.3 12.8
	n/a 3	Good	В	T12	Pear	3	4.0	50	7.1
temmed and vertical with a balanced crown.	Remove ivy and	Moderate	Low	G13	Holly	5	2.4	18	4.3
lence of significant pruning.	inspect stem for defects.	Good	20-40	T14 T15	Purple Beech Oak	11 17	7.0 14.8	152 684	12.3 26.2
vented detailed inspection.		Fair	В	T16	Ash	13	6.4	127	11.3
	Low 3	High	Low	G17 T18	Lime Sycamore	20 12	7.8 5.3	191 88	13.8 9.4
ose growing specimins. lence of significant pruning.	No action required.	Good		T19	Lime	10	3.2	33	5.7
ificant defects observed.		Good	40+ C	G20 T21	Cherry Sycamore	6 12	2.4 4.8	18 72	4.3 8.5
	n/a 3	0000	C	T22	Ash	16	11.3	400	20.0
tection Area (radius = 12xstem diameter)		MN = Mea	sured North:	T23 T24	Sycamore Sycamore	12 5	7.6 3.4	180 35	13.4 6.0
			ads are sometimes	T25	Apple	2.5	3.0	28	5.3
rop pooding amondment due to site	Photo 1	canopy spice		T26	Sycamore	10	3.4	25	6.0
area needing amendment due to site 7	Photo 1	measured to	an approximate N te features.					35 147	
rea needing amendment due to site	Photo 1	measured to defined by si Often more	te features. accurate, especially	T27 T28	Oak Sycamore	12 12	6.8 5.2	147 84	12.1 9.1
Area having been amended to account cions	Photo 1	measured to defined by si Often more	te features. accurate, especially of trees are not	T27 T28 G29	Oak Sycamore Sycamore	12 12 12	6.8 5.2 5.4	147 84 92	12.1 9.1 9.6
resence of exising road or building.	Photo 1	measured to defined by si Often more where rows	te features. accurate, especially of trees are not	T27 T28	Oak Sycamore	12 12	6.8 5.2	147 84	12.1 9.1

Excerpts from the Arboricultural Impact Assessment

	I residential property and garage as indicated on the plans in black and the footprint of the proposed layout is indicate
A new vehicular access is to be created fro	m The Ridgeway.
The table below summarises the potential	impact on trees due to various activities.
Activity	Trees Potentially Affected
Tree Removal: Retention Category A	None
Tree Removal: Retention Category B	T16
Tree Removal: Retention Category C	T1, T2, T3, G5, T6, G8, T9, T12, G13, T14 and the 4m tal dense holly and laurel.
Tree Removal: Retention Category U	Т6
Tree Pruning	T11 and G17
RPA: House Foundations	T15, G17 and T10
RPA: Terrace Foundations	T15, G17 and T10
RPA: New Hard Surface	Τ4
RPA: Replace Existing Hard Surface	None
RPA: Underground Services	Unknown – To be confirmed
RPA: Change of Ground Levels	None
RPA: Soil Compaction	Trees adjacent the construction area (preventable by installing tree protection measures)

considered in detail throughout this section. The accompanying Arboricultural Method Statement (duplicated in Appendix 6) specifies the measures proposed to minimise all possible potential risks of damage to the retained trees.

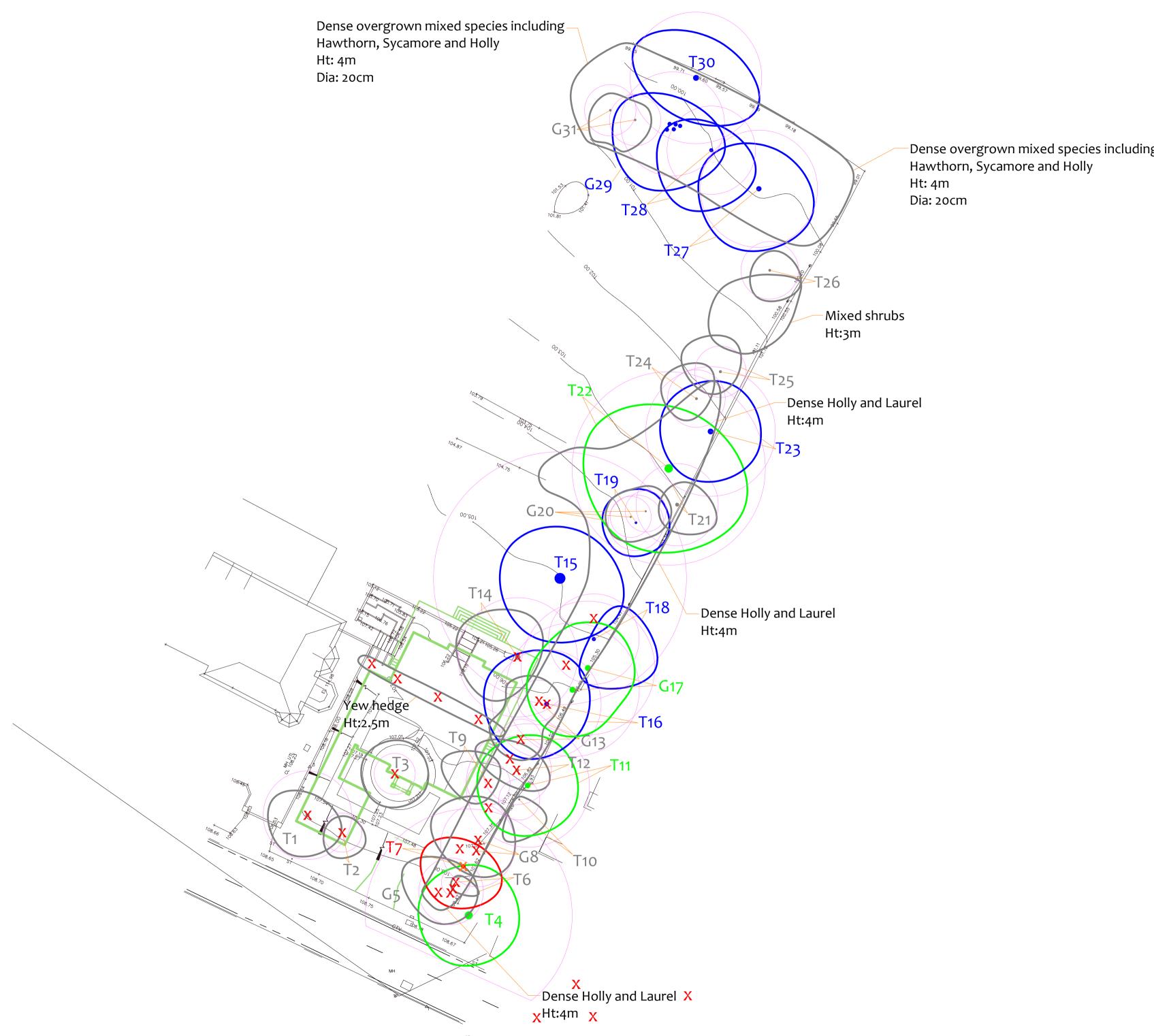
Tree Removal All trees to be removed are indicated on the Tree Removal Plan and are listed below:

- Retention Category A: It is proposed to retain all Retention Category A trees.
- Retention Category B: It is proposed to remove the Retention Category B tree, T16. This tree is located so close to the proposed residence that its retention is not possible. This tree grows in excess of 31m from the closest public vantage point and also grows within a row of trees with a similar height. Consequently, it is barely visible from public vantage points and it is not considered to have a particularly high amenity value. Its removal shall not have a major impact on the visual amenity of the locality.
- Retention Category C: It is proposed to remove the following Retention Category C trees: T1, T2, T3, G5, T6, G8, T9, T12, G13, T14 and the 4m tall dense holly and laurel. These trees are wither located so close to the proposed residence that their retention is not practical, or they are of low/poor quality and their replacement is desired.
- The majority of these trees are relatively small and are barely visible from public vantage points. Consequently, they are not considered to have a particularly high amenity value and their removal shall not have a significant impact on the visual amenity of the locality. • Retention Category U: It is proposed to remove the Retention Category U tree, T7. Trees within this category are in such poor condition that they should be removed regardless of
- development proposals. Consequently, the removal of Category U trees is not considered to be a direct impact of the development. Details specific to each tree can also be found in the Tree Data Schedule.

Mitigation Planting

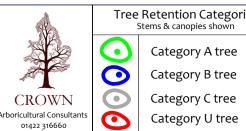
There is ample scope for new planting to mitigate against tree loss. I understand that it is proposed to plant several new trees as part of a post development landscaping scheme.

See Section 4 for a more detailed assessment Proposed Layout (Pale Green)



Drawing No:	CCL 1056	1 / TRF	• Rev: 1
Title:		emoval Plan	aid)
Site:	Land adjacent to EN6		
ں Scale: 1:300	5	10 19 Paper Size	e: A1

Scale: 1:300



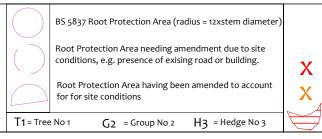
Tree Retention Categories Stems & canopies shown Category A tree Category B tree Category C tree

Trees of high quality with an estimated life expectancy of 40+ years. Usually large trees with significant presence or smaller trees with excellent form. Retention of these trees is highly desirable. \bigcirc

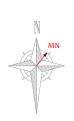
Trees of moderate quality with a life expectancy of 20+ years. Usually maturing trees, or younger trees with good form. Retenti of these trees is desirable though less than Category A trees nremarkable trees of low quality and merit. Individual specimer

red to be a material planning consideratio Trees unsuitable for retention due to their very poor condition.

Tree Removal Plan



(Existing Layout with Proposals Overlaid)



Tree Removal Plan (Existing Layout with Proposals Overlaid)

n	g

Tree Ref.	Species	Height (m)	Root Protection Area			
fiee kei.	species	Height (III)	Radius (m)	m²	Square (m	
T1	Pissards Plum	5	5.2	84	9.1	
T2	Apple	3.5	2.3	16	4.0	
Т3	Magnolia	3.5	2.4	18	4.3	
T4	Ash	15	10.8	366	19.1	
G5	Beech	7.5	3.6	41	6.4	
T6	Beech	4	1.7	9	3.0	
T7	Beech	12	5.0	79	8.9	
G8	Beech	12	4.2	55	7.4	
Т9	Sycamore	5	2.5	20	4.5	
T10	Sycamore	6	2.4	18	4.3	
T11	Lime	15	7.2	163	12.8	
T12	Pear	3	4.0	50	7.1	
G13	Holly	5	2.4	18	4.3	
T14	Purple Beech	11	7.0	152	12.3	
T15	Oak	17	14.8	684	26.2	
T16	Ash	13	6.4	127	11.3	
G17	Lime	20	7.8	191	13.8	
T18	Sycamore	12	5.3	88	9.4	
T19	Lime	10	3.2	33	5.7	
G20	Cherry	6	2.4	18	4.3	
T21	Sycamore	12	4.8	72	8.5	
T22	Ash	16	11.3	400	20.0	
T23	Sycamore	12	7.6	180	13.4	
T24	Sycamore	5	3.4	35	6.0	
T25	Apple	2.5	3.0	28	5.3	
T26	Sycamore	10	3.4	35	6.0	
T27	Oak	12	6.8	147	12.1	
T28	Sycamore	12	5.2	84	9.1	
G29	Sycamore	12	5.4	92	9.6	
T30	Oak	10	7.7	185	13.6	
G31	Sycamore	10	3.0	28	5.3	

tection Area (radius = 12xstem diameter)			MN = Measured North:
Area needing amendment due to site resence of exising road or building. Area having been amended to account tions	X X	Tree to be removed to facilitate the proposal Tree to be removed due to its low quality	Canopy spreads are sometimes measured to an approximate N defined by site features. Often more accurate, especially where rows of trees are not aligned N-S or E-W.
= Group No 2 H3 = Hedge No 3		Proposed pruning	

Excerpts from the Arboricultural Impact Assessment

Overview

t is proposed to construct a new detached residential property and garage as indicated on the plans in Appendix 6. The existing layout is indicated in black and the footprint of the proposed layout is indicated in pale green. A new vehicular access is to be created from The Ridgeway. The table below summarises the potential impact on trees due to various activities Trees Potentially Affected Activity Tree Removal: Retention Category A Free Removal: Retention Category B T16 T1, T2, T3, G5, T6, G8, T9, T12, G13, T14 and the 4m tall **Free Removal: Retention Category C** dense holly and laurel Γree Removal: Retention Category L Τ6 Free Pruning T11 and G17

RPA: House Foundations T15, G17 and T10 RPA: Terrace Foundations T15, G17 and T10 RPA: New Hard Surface RPA: Replace Existing Hard Surface None RPA: Underground Services Unknown – To be confirmed RPA: Change of Ground Levels None RPA: Soil Compaction Trees adjacent the construction area (preventable by installing tree protection measures)

Other potentially damaging activities often associated with construction sites include demolition or the careless use of plant machinery, hazardous materials, or fires. All of the above potential impacts are

sidered in detail throughout this section The accompanying Arboricultural Method Statement (duplicated in Appendix 6) specifies the measures proposed to minimise all possible potential risks of damage to the retained trees.

mpact on Tree Canopies

It is proposed to prune back the lower branches of T11 and G17 that are growing towards the proposal in order to create a clearance distance of 2.5m. This shall require the removal of relatively small secondary branches which should be pruned back to a secondary growth point. The pruning works should be undertaken sympathetically (working to BS 3998: 2010 guidelines)

Such a small amount of pruning shall have no impact on local visual amenity and shall not be detrimental o tree health.

All other tree canopies shall be unaffected by the proposals.

Impact on Tree Roots

Building Foundations:

The foundations for the new property will extend into to the very edge of the theoretical Root rotection Areas of T15, G17 and T10. However, only circa 2%, 1.5% and 1% of the Root Protection Areas shall be affected respectively (see the Impact Assessment Plan), so the potential impact is considered be negligible.

pweyer, in order to minimise the impact on tree roots, a pile and beam or pile and raft foundation is proposed where the building shall extend into the theoretical Root Protection Areas. The following trictions are proposed

- Excavation shall be limited to a maximum depth of 400mm to facilitate the installation of a raft or beam foundation Only hand tools shall be used during the excavation.
- If roots in excess of 25mm diameter are encountered close to the edge of the excavation. they shall be retained wherever possible and protected with damp sacking during times that they are unearthed. Any roots that need to be severed shall be pruned with secateurs. • The raft/beam may be supported on narrow diameter piles (maximum diameter 300mm). Before installing such piles, their location shall be determined by trial pits excavated to a depth of 600mm using hand tools and overseen by the appointed arborist. Trial pit dimensions should not exceed 300mm x 300mm. If any roots in excess of 25mm diameter

errace Foundations

The foundations for the new terrace will extend into to the very edge of the theoretical Root Protection Areas of T15, G17 and T10. Timber decking is proposed for the terrace and the following restrictions are

- Post holes shall be narrow as possible and shall not exceed 300mm x 300mm.
- Excavation for the post holes shall be undertaken using hand tools and overseen by the

are encountered, the pile shall be relocated.

- local authority tree officer or an approved project arborist. • Roots in excess of 25mm are to be retained and the post hole relocated.
- A flexible fencing system which permits the relocation of the posts will therefore be necessary • All exposed roots over 25mm diameter shall be sleeved to prevent contact with fence posts and cement products.
- By adopting such a sympathetic method of installation, it will be possible to retain all significant roots and ensure that the root system will be able to supply the canopy with the required water and nutrients. Hence it is considered that the proposed terrace shall not result in any long-term detrimental impact on he health of T15, G17 and T10.

New Surfaces:

It is proposed to install a new driveway over the Root Protection Area of T4. Although the full extent of the driveway has not yet been confirmed, it shall need to be installed in a sympathetic manner to ninimise excavation and compaction of soils. Guidelines are discussed below and proposed in the accompanying Arboricultural Method Statement, which will minimise any impacts on roots.

- n order to minimise the impact on roots where the new driveway is proposed over the Root Protection Area of T4, the following mitigation is proposed:
- A suitable load spreading surface shall be in place at all times during demolition and construction activitie
- The new surface shall be installed entirely above ground. Any existing turf or vegetation may be removed along with very loose topsoil. However no further excavation shall occur. • A gravel sub-base containing no fine particles shall be incorporated into the design. This shall be contained within a 3D cellular confinement system to ensure that the weight of vehicles will be evenly spread over a wide area. This shall prevent excessive soil compaction
- and reduce the depth of sub-base required. • A porous surface and sub-base are proposed which will enable passage of oxygen and water to the soils beneath.

• The new surface shall be located in excess of 0.5m from any buttress roots as recommended in BS 5837 (7.4.2.7).

Underground Services: No underground services should be installed through any Root Protection Area without consulting the project arborist and if necessary, gaining approval from the local authority.

Summary

In order to facilitate the development, it is proposed to remove one Retention Category B tree and thirteen Retention Category C and Retention Category U trees, which are all located internally to the site. the majority of these trees are relatively small and barely visible from public vantage points. Consequently, there shall not be a significant impact on local amenity due to their removal. Several new trees are to be planted to mitigate against tree removal and to ensure tree cover is maintained hroughout the site.

F11 and G17 require minimal pruning to create an adequate clearance from the proposal.

A new hard surface is proposed within the RPA of T4. However, a porous surface is proposed using the No-Dig Method as per BS 5837 recommendations. Consequently, the impact on T4 shall be minimal. pundations for the new building and terraced area are proposed within the Root Protection Area of T15, G17 and T10. However, the small extent of the RPAs affected coupled with the sympathetic oundation design, shall ensure no detrimental impact on trees.

A suitable load spreading surface shall need to be maintained throughout the Restricted Activity Zones Tree protection measures are specified throughout the accompanying Arboricultural Method Statement that will ensure no negative impact on retained trees due to construction activity.

Adequate space has been allowed between the proposal and all trees such that no future pressure to verly-prune or remove trees shall occur as a consequence of the proposal.

See Section 4 for a more detailed assessment

/ TRP Rev: Drawing No: CCL 10561 Tree Removal Plan (Existing Layout with Proposals Overlaid)

Paper Size: A

CROWN

oricultural Consulta

01422 316660

Land adjacent to 38 The Ridgeway

EN6 4AX

Site:

Scale: 1:300

Tree Retention Categories Stems & canopies shown Category A tree \bigcirc Category B tree (\bullet) Category C tree

Category U tree

 \odot

Jsually large trees with significant presence or smaller trees with excellent form. Retention of these trees is highly desirable.

ees of moderate quality with a life expectancy of 20+ years. \bigcirc

Trees of high quality with an estimated life expectancy of 40+ years.

- Usually maturing trees, or younger trees with good form. Retention of these trees is desirable though less than Category A trees nremarkable trees of low quality and merit. Individual specimens
- considered to be a material planning consideration Trees unsuitable for retention due to their very poor condition.

The foundations for the new terrace will extend into to the very edge of the theoretical Root Protection Areas of T15, G17 and T10. Timber decking is proposed for the terrace and the following restrictions

- are proposed: • Post holes shall be narrow as possible and shall not exceed 300mm x 300mm.
- Excavation for the post holes shall be undertaken using hand tools and overseen by the local authority tree officer or an approved project arborist.
- Roots in excess of 25mm are to be retained and the post hole relocated.
- A flexible fencing system which permits the relocation of the posts will therefore be necessary. • All exposed roots over 25mm diameter shall be sleeved to prevent contact with fence posts and cement products.

By adopting such a sympathetic method of installation, it will be possible to retain all significant roots and ensure that the root system will be able to supply the canopy with the required water and nutrients. Hence it is considered that the proposed terrace shall not result in any long-term detrimental impact on the health of T15, G17 and T10.

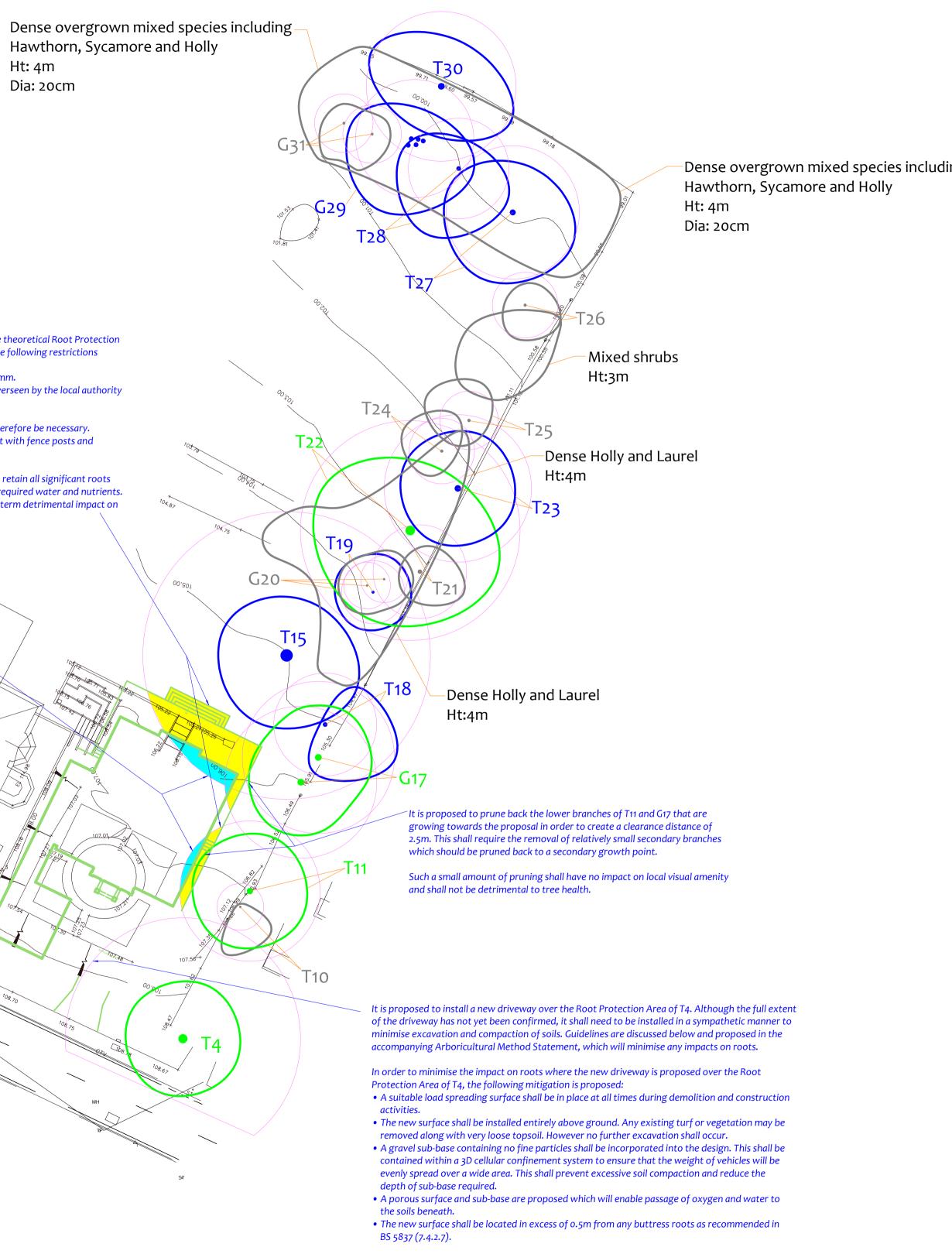
The foundations for the new property will extend into to the very edge of the theoretical Root Protection Areas of T15, G17 and T10. However, only circa 2%, 1.5% and 1% of the Root Protection Areas shall be affected respectively, so the potential impact is considered to be negligibl

However, in order to minimise the impact on tree roots, a pile and beam or pile and raft foundation is proposed where the building shall extend into the theoretical Root Protection Areas. The following restrictions are proposed:

- Excavation shall be limited to a maximum depth of 400mm to facilitate the installation of a raft or beam foundation.
- Only hand tools shall be used during the excavation. • If roots in excess of 25mm diameter are encountered close to the edge of the excavation, they shall be retained wherever possible and protected with damp sacking during times that they are unearthed. Any roots that need to be severed shall be pruned with secateurs.
- The raft/beam may be supported on narrow diameter piles (maximum diameter 300mm). Before installing such piles, their location shall be determined by trial pits excavated to a depth of 600mm using hand tools and overseen by the appointed arborist. Trial pit dimensions should not exceed 300mm x 300mm. If any roots in excess of 25mm diameter are encountered, the pile shall be relocated.

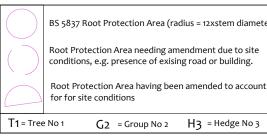
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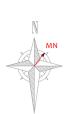
Proposed Layout (Pale Green)



Impact Assessment Plan

(Existing Layout with Proposals Overlaid)





Impact Assessment Plan (Existing Layout with Proposals Overlaid)

n	g

			Root Protection Area			
Tree Ref.	Species	Height (m)	Radius (m)	m²	Square (m)	
T1	Pissards Plum	5	5.2	84	9.1	
T2	Apple	3.5	2.3	16	4.0	
Т3	Magnolia	3.5	2.4	18	4.3	
T4	Ash	15	10.8	366	19.1	
G5	Beech	7.5	3.6	41	6.4	
Т6	Beech	4	1.7	9	3.0	
T7	Beech	12	5.0	79	8.9	
G8	Beech	12	4.2	55	7.4	
Т9	Sycamore	5	2.5	20	4.5	
T10	Sycamore	6	2.4	18	4.3	
T11	Lime	15	7.2	163	12.8	
T12	Pear	3	4.0	50	7.1	
G13	Holly	5	2.4	18	4.3	
T14	Purple Beech	11	7.0	152	12.3	
T15	Oak	17	14.8	684	26.2	
T16	Ash	13	6.4	127	11.3	
G17	Lime	20	7.8	191	13.8	
T18	Sycamore	12	5.3	88	9.4	
T19	Lime	10	3.2	33	5.7	
G20	Cherry	6	2.4	18	4.3	
T21	Sycamore	12	4.8	72	8.5	
T22	Ash	16	11.3	400	20.0	
T23	Sycamore	12	7.6	180	13.4	
T24	Sycamore	5	3.4	35	6.0	
T25	Apple	2.5	3.0	28	5.3	
T26	Sycamore	10	3.4	35	6.0	
T27	Oak	12	6.8	147	12.1	
T28	Sycamore	12	5.2	84	9.1	
G29	Sycamore	12	5.4	92	9.6	
T30	Oak	10	7.7	185	13.6	

G31 Sycamore 10 3.0 28 5.3

BS 5837 Root Protection Area (radius = 12xstem diameter) Root Protection Area needing amendment due to site conditions, e.g. presence of exising road or building. Root Protection Area having been amended to account



MN = Measured North: Canopy spreads are sometime measured to an approximate N defined by site features. facilitate the proposal Often more accurate, especially Tree to be removed where rows of trees are not due to its low quality aligned N-S or E-W.



Arboricultural Method Statement

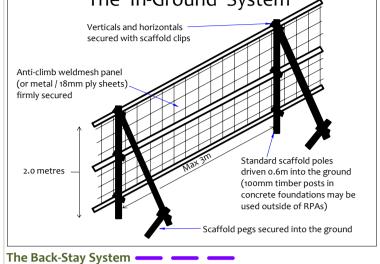
Site: Land adjacent to 38 The Ridgeway, EN6 4AX

Date: 09/04/2021 Revision: 1 CCL ref No: 10561

Tree Protection Barriers The purpose of tree protection barriers is to keep construction activity away from Restricted Activity Zones or Construction Exclusion Zones. They should be appropriate to the nature and proximity of activity within the site. The barriers should be erected prior to the commencement of all activity including demolition, soil stripping and delivery of materials and demolition (except where existing Ground Protection Measures structures require demolition to enable the barriers to be installed). Barrier systems are specified below and should be installed according to the legend on the Tree Protection Plan.

The In-Ground System This system may be installed where indicated by a solid purple line on the Tree Protection Plan. It shall remain in place throughout the entire construction phase. Vertical scaffold poles are driven into the ground, onto which are affixed horizontal scaffold poles Unless specified otherwise, ground protection shall consist of 24mm OSB boards laid at double

clips. The system is illustrated in the diagram to the right and is based on BS 5837 guidelines. The 'In-Ground' System



This system may be installed where indicated by a solid or dashed purple line on the Tree Protection Plan. It is more practical over existing hard surfaces or where the fencing needs to be moved to enable permitted activities within a Restricted Activity Zone. This system should be able to withstand occasional knocks by machinery and should not be relocated except with the consent of the site manager and the approval of the local authority.

Within this system, weldmesh fencing panels (minimum height 2m) are affixed into rubber or concrete feet and clipped together with anti-tamper couplers. Two couplers should be used, spaced at least 1m apart. Alternate panels should be attached to a diagonal back stay connected to an additional foot or baseplate secured with ground pins or additional ballast. Where ground pins are not used, the total weight of the foot/plate plus ballast should total not less than 32kg. Where it is not possible to install diagonal struts (such as very close to a hedge) then the front fee

shall be secured using ground pins or ballast. The 'Back Stay System' 2m X 3.5m weldmesh (or sheet metal) panels linked with antitamper couplings

Each panel attached to a back stay which is founded in an additional foot or mesh trav as illustrated Minimum 32kg ballast to retain rear foot or tray (including the weight of the foot/tray) Alternate front feet to

be secured with ground pins or additional ballast

Notices

Suitable weather-proof notices should be displayed to identify tree protection zones. They should state the purpose of the fencing and that it should not be moved, or traversed, other than by authorised personnel.

Restrictions in Specific Zones

Restricted Activity Zone A

Within this zone trees roots are likely to be present where access will be required to facilitate construction. The following restrictions shall apply:

> • No vehicles or plant machinery shall park or operate unless a suitable load spreading **Fires** surface is in place. The load spreading surface shall be installed and/or maintained as No fires shall be permitted beneath any tree canopy or within 5m of any tree stem, branch or foliage. throughout the entire demolition and construction phase or until any new fires shall be permitted in the vicinity of any exposed tree roots. permanent hard surfacing is installed. Any pedestrian activity other than very occasional shall also require a suitable load spreading surface. Removal of existing structures such as, walls, steps and hard surfaces (where applicable) shall be undertaken using hand tools or a mechanical excavator operating from outside the Restricted Activity Zone and carefully marshalled by the project arborist.

beneath the foundations of any structure such as wall, steps or patio. and obtaining approval from the local authority. Existing ground levels shall be retained undisturbed or raised by no more than

- 150mm. Ground levels may only be raised using granular topsoil (not rich in clay) or where new surfacing is proposed.
- with the project arborist and a methodology agreed and approved by the local materials (including non-essential cement products) shall be forbidden. • If roots are encountered in excess of 25mm diameter, they shall be retained Hazardous Materials wherever possible and protected with damp sacking during times that they are unearthed. Any roots in excess of 10mm that need to be severed shall be pruned with materials shall take place
- secateurs. Storage of materials and spoil shall be avoided unless it has been agreed with the Exclusion Zones and Restricted project arborist that the ground protection measures are adequate to ensure no soil Activity Zones. Where cement compaction or contamination occurs. All hazardous materials (including non-essential is to be mixed at considerable ement products) shall be forbidden

• No fires shall be permitted.

No other building works shall be permitted.

- Prior to the new surface being installed, no vehicles or plant machinery shall drive, that no water run-off enters operate or park until unless ground protection measures are implemented as the Root Protection Area of any trees (see diagram for example). Mixers and barrows shall be specified under the heading Ground Protection Measures. (Any existing hard cleaned within this area. surfacing may be retained in place of ground protection measures.) the header – **New Surfaces**.
- No vehicles or machinery shall pass over this area prior to the installation of the new surface unless ground protection measures are in place.

Restricted Activity Zone B

shall apply

- In this zone foundations are to be installed. In order to minimise the impact on roots, it is proposed to install a Shallow Foundation. The following restrictions shall apply:
- Deep concrete strip foundations shall not be acceptable in this area. Instead shallow shall apply: raft or beam foundations shall be installed • Excavation for the raft or beam shall be limited to a depth of 400mm and shall be undertaken using hand tools. A mechanical excavator may only be used if agreed by the project arborist overseeing the excavation and if it operates from a suitable load spreading surface. Hand tools shall always be used to probe the upper soil horizons
- before any mechanical excavation occurs. • Excavation shall not exceed 250mm beyond the building footprint unless approved
- with secateurs. Narrow diameter piles may be installed to support the raft or beam foundation. In which case, trial pits shall be excavated to determine the location of the piles. Trial pits shall be 300mm x 300mm and excavated using hand tools to a depth of 600mm. Cabins shall be located outside of Construction Exclusion Zones and Restricted Activity Zones unless they shall be retained intact wherever possible and the pile shall be relocated. Roots Areas. in excess of 10mm shall be pruned using sharp secateurs. Beyond this depth, piles • No excavation shall occur within Root Protection Areas to enable cabins to be installed.

Restricted Activity Zone C

unless agreed otherwise with the local a

• Post holes shall be narrow as possible and shall not exceed 300mm x 300mm. • Excavation for the post holes shall be undertaken using hand tools and overseen by the local authority tree officer or an approved project arborist.

In this zone foundations for the new terrace are to be installed. The following restrictions shall

- Roots in excess of 25mm are to be retained and the post hole relocated. • A flexible fencing system which permits the relocation of the posts will therefore be
- All exposed roots over 25mm diameter shall be sleeved to prevent contact with fence posts and cement products.

Author: Joe Taylor FdSc (Arboriculture), M. Arbor A

Client: Shaun Knight Architecture

Removal of Tree Protection Barriers Removal of protective fencing or ground protection measures shall be done after all major construction work is complete and their removal has been approved by the appointed arborist

Within Restricted Activity Zones, soils containing roots may be subject to compaction due to general construction activity (including pedestrian activity and use of plant machinery). In order to minimise compaction, it is proposed to ensure that a suitable load-spreading surface is in place at all times. Any existing hard surfacing may be retained where engineers consider it adequate to spread the load should be robust enough to withstand occasional knocks by plant machinery and, once installed, of construction traffic. Otherwise it shall be reinforced or replaced with adequate ground protection

and diagonal bracing struts. Weldmesh panels (or similar – e.g. Heras type fencing panels, or 18mm+ thickness and screwed together to prevent slippage. The ground shall first be made even by raking, plywood boards) are secured to this scaffold framework using sturdy clips e.g. standard scaffold or by adding a few centimetres of sand or woodchip. Where only pedestrian traffic will occur boards or planks may be supported by a scaffold framework. The scaffold may be founded on poles driven into the ground and/or onto blocks (to raise the scaffold) with additional couplings to make the framework secure.

Where engineers consider OSB boards to be inadequate (e.g. for large plant machinery where the tracks may chew up the timber) sturdier ground protection measures will be installed such as road plates, or 100mm of 7–40mm angular gravel installed in 3D cellular confinement system (e.g. CellwebTM).

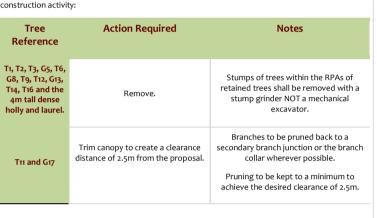
If a piling mat is required, engineer's specifications should be referred to. The ground protection measures shall be installed and approved before commencement of demolition and construction activity and before the arrival of plant machinery or materials. They shall remain in place until all heavy construction activity is complete or until they are due to be replaced with a new hard surface.

Construction Exclusion Zones

- Within Construction Exclusion Zones the following restrictions shall apply: · • Tree Protection Barriers shall be erected and maintained throughout the entire project as indicated on the Tree Protection Plan and under the header -Tree
 - Protection Barriers. These shall remain in place at all times except when authorised landscaping work are being undertaken. At such times, adequate ground protection measures shall be nstalled, and excavation shall be limited to that required for new planting. Furthermore, the project arborist shall be consulted prior to any works being undertaken in these zones No construction activity or excavation shall occur unless agreed otherwise by the
 - project arborist and local authority. • No vehicles or plant machinery shall be driven or parked.
 - No tree works, other than those specified on this document shall be undertaken. • No alterations of ground levels or conditions shall occur.
 - No chemicals or cement washings permitted.
 - No temporary structures shall be installed • No spoil shall be stored.
 - No fires shall be permitted
 - All hazardous materials (including non-essential cement products) shall be forbidden • Removal of hard surfaces, structures or turf shall be done using hand operated tools only and supervised by the project arborist.

Tree Works Specification

The following table specifies the tree works which will be required prior to the commencement of



General Restrictions - Throughout the Site

Preparatory Works

No demolition, removal of surfaces, or soil stripping shall commence until the protective fencing and ground protection measures are installed to the satisfaction of the local authority.

specified under the heading Ground Protection Measures. This shall remain in place No fires shall be permitted within any Construction Exclusion Zone or Restricted Activity Zone. No

Canopy Protection

- No machinery in excess of 2m shall pass beneath the canopy of any tree without being carefully marshalled in order to ensure that no branches are damaged.
- No excavation shall occur beneath any existing hard surfacing and its sub-base or ... If materials require installation or delivery beneath tree canopies, this shall be done without the use of overhead cranes. • No further excavation shall occur in this zone without consulting the project arborist • If materials are to be installed or delivered close to tree canopies (but not beneath them) and a crane is required, they shall be carefully marshalled in order to ensure that branches are not

accidentally damaged. Storage of Spoil and Materials

No new permanent or temporary structures shall be erected other than those shown Storage of materials and spoil shall be avoided in any Construction Exclusion Zones and Restricted on the planning application documents unless approved by the local authority. Activity Zones unless it has been agreed with the project arborist that the ground protection • Underground services shall not be installed in this area without prior consultation measures are adequate to ensure no soil compaction or contamination occurs. All hazardous

Sturdy plasic sheet

e.g 1200 guage DPM

outside the Construction distances from trees and wate run-off cannot enter Roo Protection Areas, then no When installing the new driveway over the Root Protection Area of T4, the following restrictions further special measures are required. Otherwise, provision shall be made to ensure that

the mixing area is contained so

The new surface shall be installed according to the No-Dig method as specified under All other chemicals hazardous to tree health, including petrol and diesel, shall be stored in suitable containers as specified by current COSHH Regulations, and kept away from Root Protection Areas.

Underground Services No underground services (including soak-aways) shall be located in any part of the Construction Exclusion Zones or Restricted Activity Zones unless done so in a manner detailed in a specific Method

Statement and approved by the local authority.

Site Hoarding If site hoarding shall be installed over the Root Protection Area of any tree, the following restrictions

- Ground levels shall be maintained as existing.
- Post holes shall not exceed 300mm x 300mm No post hole shall be excavated within 1.5m of any tree stem
- Post holes shall be excavated using hand tools or by a post-hole auger attached to plant machinery sited outside of Root Protection Areas.
- Roots in excess of 25mm shall be retained wherever possible. Roots in excess of 10mm shall be pruned with sharp secateurs.
- hoarding. It shall be undertaken by a reputable tree surgeon working to BS 3998 (2010). excavation are to be retained intact if possible and covered with wet sacking whilst exposed. All roots in excess of 10mm which cannot be retained shall be neatly pruned approval of the local authority with regard to its location and specification.

Excavation shall be undertaken in the presence of project arborist. Soil shall first be agreed otherwise by the project arborist. Where this is being considered, the project arborist shall be loosened with a garden fork to ascertain if large roots are present before the consulted and specific tree protection measures agreed. The following general restrictions will apply: loosened soil is removed with a spade. If roots in excess of 25mm are encountered, • All services to and from site cabins shall be installed above ground through any Root Protection

- may be installed using an auger or piling rig. Pile diameter shall not exceed 250mm The cabins shall be founded on a suitable load spreading surface.

Use of Heavy Plant

All machinery operatives are to be made aware of any Construction Exclusion Zones and Restricted Activity Zones that apply to this site. All machinery operatives are to respect these zones and ensure that no damage occurs to trees due to the careless use of machinery. Mechanical excavators should have tracks rather than wheels to help spread their load. They should be carefully marshalled when working close to tree canopies

Scaffolding

If scaffolding is required in areas containing ground protection measures, the protective boards shall need to remain in-situ and be strengthened and stabilised to bear the weight of scaffold poles. Prior to the installation of any scaffolding within 0.5m of any tree branches, the project arborist shall be consulted to specify any pruning works that may be required.

New Surfaces

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No-Dig Surface: Ground Preparation This section specifies the No-Dig Method which must be used when installing any new hard surface surfaces in Restricted Zones.

- Ground Preparation: Existing Hard Ground
- Where a hard surface already exists this shall be carefully removed in as small sections as possible and overseen by the project arborist • Small plant machinery (such as a Bobcat) may be used if carefully marshalled by the project
- arborist. If possible, the machinery should operate from outside of RPAs. Otherwise, suitable ground protection should be installed to prevent soil compaction over tree roots. • The aggregate sub-base may be retained & reused. Otherwise it shall be carefully removed
- using hand tools so long as it does not contain any roots in excess of 25mm diameter. Ground Preparation: Existing soft Ground
- Shrubs and perennials should be removed. Turf maybe lifted to a depth of 50mm using a hand
 operated turf lifting machine or a spade. Mechanical excavators shall not be used. Herbaceous roots may be removed using hand tools such as a garden fork or hand trowel. If
- any shrubs or trees have been removed, their roots may also be removed using hand tools.
- installed over a geotextile 150mm maximum if engineers deem that the soils are too rich in organic matter and therefore
- strata of 50mm and overseen by the project arborist. • However, all woody roots in excess of 25mm diameter (belonging to retained trees) shall
- shall be built up accordingly using a reduced-fines aggregate. At least 25mm of coarse sand should cover any unearthed roots prior to the installation of a geotextile and reduced fines

aggregate. Such exposed roots should be covered and protected soon after discovery

Installing the Surface

Surface Edgings. Edging solutions requiring further excavation (e.g. kerbstones set in a trench) will not be used Instead, an above ground system shall be installed such as a tanalised timber edge retained by narrow pegs driven into the ground, railway sleepers or custom made steel edgings held in place by ground pins or by the surface subbase. The specific system adopted should be approved by

If preferred, batter slopes may be installed to tie in with existing ground levels (max 1:3 gradient, maximum 100mm increase in ground level). However, no increase in ground level may occurr immediately adjacent to any tree stem or exposed buttress roots.

The sub-base. Once the edgings are in place, a geotextile membrane shall be laid down to prevent root penetration into the road surface. A thin layer (up to 35mm) of angular gravel or crushed aggregate gravel (reduced-fines or no-fines) may then be laid over the membrane and levelled off.

three systems are all considered suitable for use over tree roots and are specified belo

1) Rigid Cellular System – This is a 3 dimensional cellular

confinement system with a minimum thickness of

The entire cellular system shall be laid first and may be

pinned in place using ground pins. This shall be followed

by the infill, working from one end such that heavy

machinery does not pass over any Root Protection Area

2) Flexible Cellular System – see illustration. This will be

filled with a no fines angular in-fill (e.g. 7 – 14mm or 20 –

A 100mm deep system is generally adequate to cope

with light traffic, though this should be verified with the

allow for settlement and compaction and no more. If

The entire cellular system shall be laid first and may be

pinned in place using ground pins. This shall be followed

by the infill, working from one end such that heavy

machinery does not pass over any Root Protection Areas

until the in-fill is installed. The entire system may then be

lightly compacted to a degree appropriate for the expected load.

Finished surface

Activity within the site shall be phased according to the following chronology

Cellular confined

o-fines aggregate

eotextile membra

Existing ground, with loose topsoil

and vegetation removed

Diagram illustrating the cellular confinement system

Activity

Protection Measures).

Method Statement

required, the infill may be periodically topped up.

manufacturer and engineers. A limestone based in-fill will not be acceptable. Enough infill should be used to

until the in-fill is installed.

ing course

Sub-base of angula

gravel (max 35mm

nd levelled

Timing of Operations

Phase

Pre-

Phase

Construction

Demolition

Construction

Construction

and

Phase

Post-

Phase

Site Monitoring Schedule

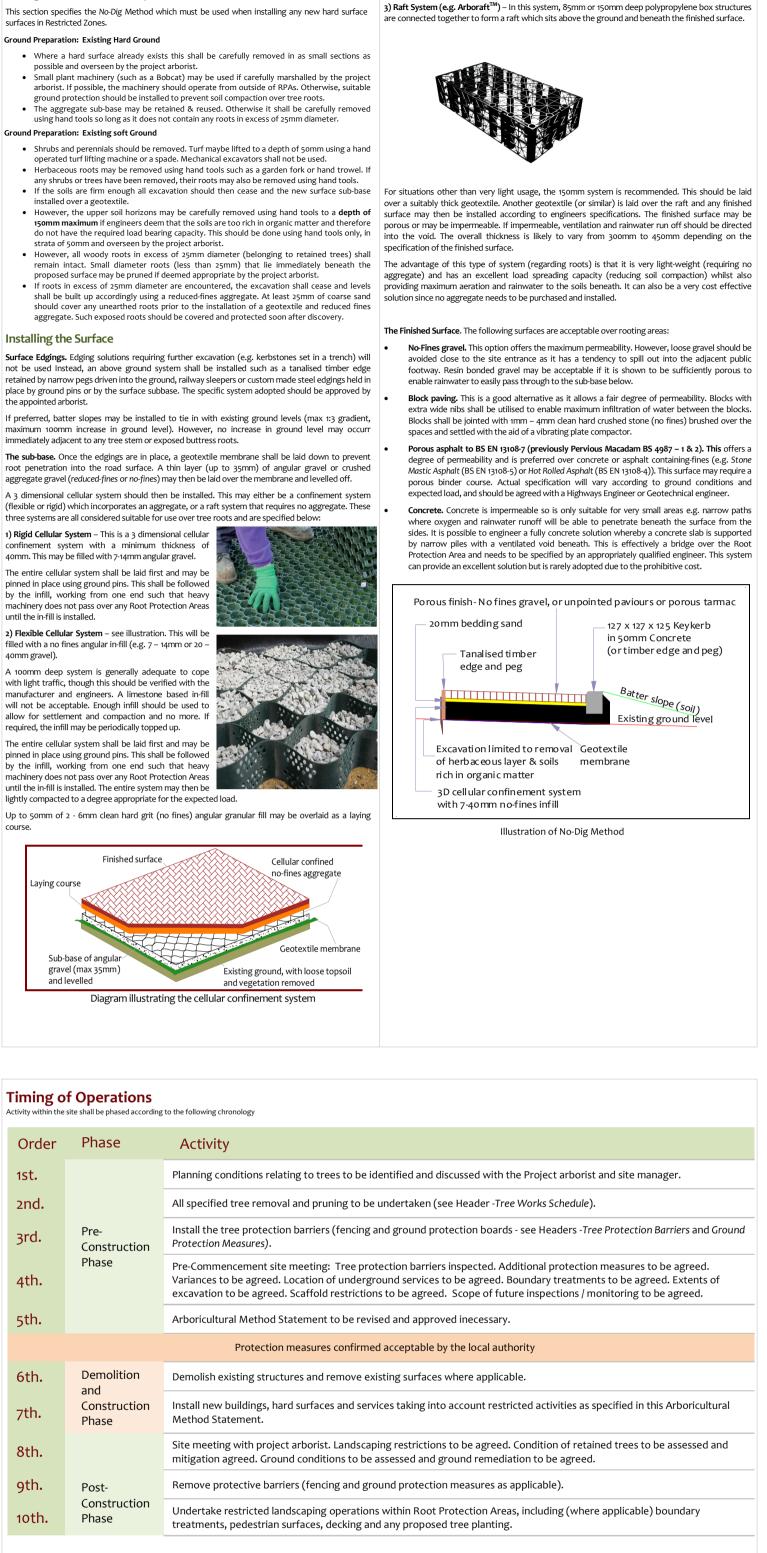
Order

1st.

3rd.

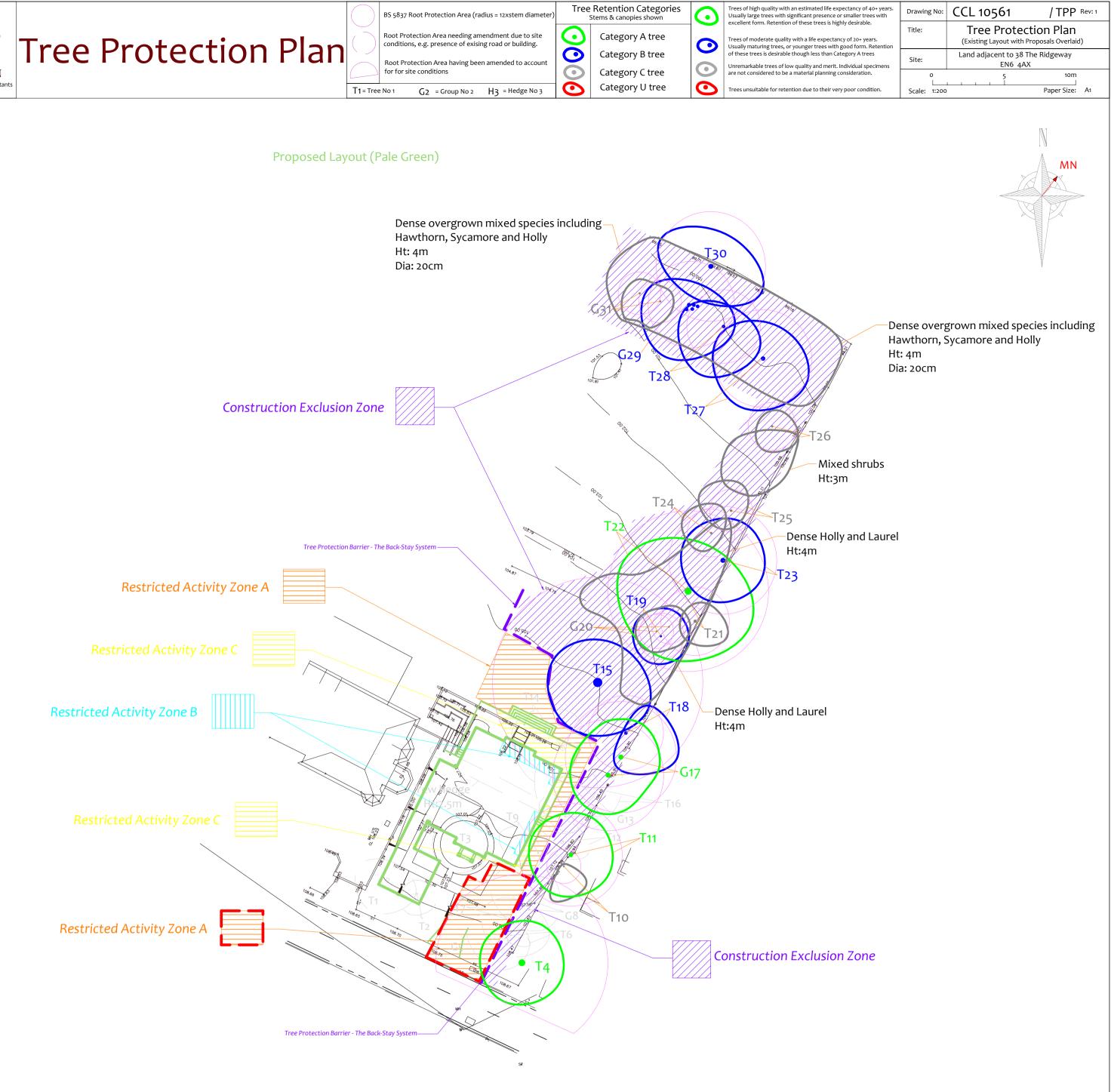
40mm gravel).

40mm. This may be filled with 7-14mm angular gravel.



Inspection	Site Attendees	Comments
Pre- Start Desk-top To occur prior to any works taking place on the site.	N/A.	Project Manager and Site manager to study this Method Statement & contact the Project Arborist to agree all protection measures.
Pre-Start Meeting	Site manager, project arborist.	Tree protection fencing locations & specification checked.
After tree works completed & tree protection barriers / ground protection measures installed. Prior to any other activity, inc. demolition & soil stripping.	Tree Officer invited.	Ground protection measures checked. Contractors to be inducted to all relevant aspects of the Arboricultural Method Statement. Responsibilities checked and acknowledged.
		Adherence to the Arboricultural Method Statement to be discussed and agreed.
		Report on findings to be sent to the local authority tree officer (see accompanying reporting template)
Monthly Inspection and Reporting	Site manager and project	Tree protection fencing locations & specification checked.
To occur once per calendar month throughout the entirety of the project until the	arborist.*	Ground protection measures checked.
local authority agree that tree protection measures may be removed		Past month, present and future month – activities and adherence to Arboricultural Method Statement discussed and checked.
		Report on findings to be sent to the local authority tree officer within 5 working days.
Overseeing Installation of hard surface in Restricted Activity Zones.	Site manager and project	Two week's notice to be given prior to commencement.
Excavation and initial stage of installation to be overseen.	arborist.*	Preparatory excavations to be overseen.
		Commencement of installation to be overseen.
		Activities to be recorded and photographed.
		Mitigation measures to be employed specified by the project arborist.
Overseeing Installation of foundations in Restricted Activity Zone B.	Site manager and project	Two week's notice to be given prior to commencement.
All excavation to be overseen.	arborist.*	Excavation to be as specified in this Method Statement.
		Roots to be retained or pruned as specified in this Method Statement.
		Activities to be recorded and photographed.
		Mitigation measures to be employed specified by the project arborist.
Post-Construction Meeting	Site manager, project arborist.	Retained trees inspected. Ground conditions assessed and mitigation measures agreed where
Post external construction activity but prior to removal of fencing & landscaping operations.	Tree Officer invited.	appropriate. Further landscaping operations and restrictions to be agreed.





Personnel and Accountability

Position	Name	Contact Phone & email	Roles
Project Manager	Insert Details	Insert Details	Liaising with site manager & project arborist regarding any potential issues relating to trees. Scheduling of meeting, excavations and inspections. Overseeing this monitoring schedule. Instructing the project arborist and arranging access. Liaising with local authority regarding discharge of planning conditions and variances to the Arboricultural Method Statement.
Site Manager	Insert Details	Insert Details	Day to day monitoring of tree protection measures. Fortnightly supply of site photographs showing all tree protection measures. Induction of all contractors. Reporting to the Appointed Arborist of any incidents or potential variations to the agreed tree protection measures.
Project Arborist	Crown Tree Consultancy	08000 14 13 30 0203 797 7449 Info@crowntrees.co.uk	Liaising with LPA Tree Officer over all arboricultural matters. Initial inspection and signing off of tree protection barriers including ground protection measures. Monthly site visits and inspections. Oversight of excavation for basement down to 1.2m in Restricted Zones. Reporting to the local authority following site inspections and any variation or incidents.
Local Authority	Welwyn Hatfield Council	Contact Centre 01707 357 000 Trees landscapes@welhat.gov.uk Planning Applications planning@welhat.gov.uk	Receipt of reports from the appointed arborist. Liaising with the appointed arborist to agree suitability of tree protection measures and any variations. Enforcement. Advice and assistance with the discharge of planning conditio relating to trees.
Additional Contact	Insert Details	Insert Details	Insert Details
Additional Contact	Insert Details	Insert Details	Insert Details

Tree	Data

Tree Ref.	Species	Height (m)	Root Protection Area		
			Radius (m)	m²	Square (m)
T1	Pissards Plum	5	5.2	84	9.1
T2	Apple	3.5	2.3	16	4.0
Т3	Magnolia	3.5	2.4	18	4.3
Т4	Ash	15	10.8	366	19.1
G5	Beech	7.5	3.6	41	6.4
Т6	Beech	4	1.7	9	3.0
T7	Beech	12	5.0	79	8.9
G8	Beech	12	4.2	55	7.4
Т9	Sycamore	5	2.5	20	4.5
T10	Sycamore	6	2.4	18	4.3
T11	Lime	15	7.2	163	12.8
T12	Pear	3	4.0	50	7.1
G13	Holly	5	2.4	18	4.3
T14	Purple Beech	11	7.0	152	12.3
T15	Oak	17	14.8	684	26.2
T16	Ash	13	6.4	127	11.3
G17	Lime	20	7.8	191	13.8
T18	Sycamore	12	5.3	88	9.4
T19	Lime	10	3.2	33	5.7
G20	Cherry	6	2.4	18	4.3
T21	Sycamore	12	4.8	72	8.5
T22	Ash	16	11.3	400	20.0
T23	Sycamore	12	7.6	180	13.4
T24	Sycamore	5	3.4	35	6.0
T25	Apple	2.5	3.0	28	5.3
T26	Sycamore	10	3.4	35	6.0
T27	Oak	12	6.8	147	12.1
T28	Sycamore	12	5.2	84	9.1
G29	Sycamore	12	5.4	92	9.6
T30	Oak	10	7.7	185	13.6
G31	Sycamore	10	3.0	28	5.3