



MICHAEL COOPER M.ARB. Dip. P.R.A.
ARBORICULTURAL CONSULTANT



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Tree Surveys
Mortgage Tree Surveys
Planning Applications
Planning Appeals
Public Enquiries
Expert Legal Witness

Our Ref MC

27TH October 2009

Dear Peter,

ARBORICULTURAL SURVEY, SCHOOL STREET, THURNSCOE.

I refer to your recent request for an Arboricultural survey at the above site. The following points are now outlined for your attention.

- 1 The majority of the trees on this site are very poor with only a limited number being recommended for retention. I consider this to be one of those occasions when the moment has to be seized to provide a new treescape as part of the development.
- 2 The trees numbered T19-T34 would appear to be in private ownership and this needs to be noted in respect of any work you may wish to undertake on them. The large Ash tree T87 is also in the garden of an adjacent property. This has an extensive root protection zone and these should be observed at the development stage.
- 3 There are also areas of Japanese knotweed on this site.
- 4 On the aspect of tree retention all development on site should comply with the requirements of ***British Standard Institute Specification 5837 Trees in relation to construction; 2005;***
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Always remember to use the professionals

- 6 Any new tree/shrub planting should comply with ***British Standards 4043:1989, Transplanting root-balled trees and British Standard Institute Specification 3936: 1992, Nursery Stock Part 1. Specification for Trees and Shrubs;***
- 7 All tree surgery work should be carried in accordance with ***British Standard Institute Specification 3998, Tree Surgery work;***
- 8 The site should be checked for the existence of any ***Tree Preservation orders, Conservation areas, Sites of Scientific Interest, Areas of Outstanding Natural Beauty, any deeds of covenant or/and other statutory instruments that may apply.***

Yours sincerely,

M Cooper.

Peter Rice
Technical Manager
Keepmoat Homes
The Waterfront
Lakeside Boulevard
Doncaster
South Yorkshire

KEY TO M. COOPER TREE SURVEY **HEADINGS**

TR NO = TREE NUMBER

SPECIES= TREE SPECIES

HGT= OVERALL HEIGHT

STEM DIAM=TRUNK DIAMETER WHEN MEASURED AT 1.5 METRES
FROM GROUND LEVEL

BR SPREAD = BRANCH SPREAD IN METRES ON ALL DIRECTIONS

HGT OF CRN CLRN= HEIGHT OF CROWN CLEARANCE TO THE
BOTTOM BRANCH

AGE = YT= YOUNG TREE, SM = SEMI MATURE, M =MATURE, OM =
OVER MATURE, VT = VETERAN

PHYS COND=PHYSIOLOGICAL CONDITION IE GOOD, FAIR, POOR,
DEAD

STRUCTURAL CONDITION=OVERALL CONDITION, WEAKNESSES,
DEFECTS ETC

PRELIMINARY MANAGEMENT RECOMMENDATIONS=SUGGESTED
TREE SURGERY WORK

CAT = CATEGORY IN ACCORDANCE WITH BRITISH STANDARD
INSTITUTE SPECIFICATION 5837 2005 FOR TREES IN RELATION TO
CONSTRUCTION; RECOMMENDATIONS.

SS=SINGLE STEM TREE

MS= MULTI-STEM TREE

S=SHRUB OR SHRUBBERY

W=WOODLAND AREA OR WOODED PERIMIETER/SCREEN

H=HEDGELINE

G=GROUP

NB. WHEN ANY REFERENCE IS MADE IN THE REPORT ON WOUNDS
OR A HEIGHT MEASUREMENT, THIS IS TAKEN AS BEING FROM
GROUND LEVEL

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Site: School Street, Thurnscoe.

Carried out on behalf of client: Keepmoat Homes.
Technical Manager; Peter Rice.

TR NO	SPECIES	HGT m	STEM DIAM mm	BR SPREAD m	HGT OF CRN CLRN m	A G E	PHYS COND	STRUCTURAL CONDITION.	PRELIMINARY MANAGEMENT RECOMMENDATIONS	EST. REMAIN CONT years	C A T
T1	Crataegus monogyna, Hawthorn.	5m	320mm	N 3.2m E 3.0m S 3.2m W 3.8m	GL	M	Fair	Two stems arising at ground level. Numerous crossing and rubbing branches. Blue rope secured to one branch and this is now embedded into the tree.	Remove blue rope. Clean crown through.	10	C2
T2	Ilex aquifolium, Holly.	5m	135mm	N 2.0m E 2.0m S 2.0m W 2.0m	GL	M	Poor	One trunk through the crown. Extensive die-back on the tips of the branches. Some of the branches have been stripped of their bark. Main trunk is debarked to the west up to 2.5m from ground level.	Remove and replant.	R	R
T3	Fraxinus excelsior, Common Ash.	5m	155mm	N 2.4m E 2.2m S 2.1m W 1.5m	1m	M	Poor	Two stems arising at ground level and both parallel each other through the crown. One stem has some bark damage to the north up to 4m.	No work required.	20	C2

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T4	Prunus hisakura, Pink Flowering Cherry.	8m	360mm GL	N 5.0m E 4.5m S 3.5m W 3.6m	1m	M	Fair	Five stems arising at ground level. Stem to the south is damaged at 1.8m. A branch has split away, probably due to it being cut badly. The damaged area has not been attended to. Some blue rope secured to the branches. Numerous broken branches which have split and are lying on the ground.	Remove damaged branches. Remove blue rope.	10	C2
T5	Syringa vulgaris, Lilac.	5m		N E S W		M	Poor	Poor tree.	Remove and replant.	R	R
T6	Syringa vulgaris, Lilac.	5m		N E S W		M	Poor	Poor tree.	Remove and replant.	R	R

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T7	Syringa vulgaris, Lilac.			N E S W		M	Poor	Poor tree.	Remove and replant.	R	R
T8	X Cupressocy. leylandii, Green Leyland's Cypress.			N E S W		M	Poor	Poor tree.	Remove and replant.	R	R
T9	Juglans regia, English Walnut.			N E S W		M	Poor	Poor tree.	Remove and replant.	R	R
T10	X Cupressocy. leylandii, Green Leyland's Cypress.			N E S W		M	Poor	Poor tree.	Remove and replant.	R	R
T11	Prunus cerasifera, Myrobalan Plum.			N E S W		M	Poor	Poor tree.	Remove and replant.	R	R

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T12	Crataegus monogyna, Hawthorn.	5m	360mm GL	N 2.8m E 2.9m S 0.5, W 2.9m	GL	M	Fair	<p>Multi-stemmed at ground level.</p> <p>This tree is growing adjacent to a concrete base and an open ditch.</p> <p>Bark is coming away from one of the stems.</p> <p>Limited crown to the south.</p>	No work required.	20	C2
T13	Acer pseudoplatanus, Sycamore.	12m	490mm	N 5.0m E 5.2m S 6.4m W 4.0m	2m	M	Good	<p>One trunk through the crown.</p> <p>Lower limb to the north west at 1.5m has some string secured around it.</p> <p>Section of planked wood secured to the main trunk at 4.5m to the north. Some wire on one branch.</p> <p>Several branch ends are broken and require remedial pruning works.</p>	<p>Remove string.</p> <p>Remove wooden planks.</p> <p>Remove wire.</p> <p>Carry out remedial pruning to damaged branch ends.</p>	40	B2

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T14	Acer pseudoplatanus, Sycamore.	12m	360mm	N 5.8m E 2.8m S 0.0m W 4.8m	3m	M	Fair	Leans to the west. Limited crown spread to the south. Some bark damage to the east at 0.7m up to 1.4m. Large wound to the west at 1m Some old pruning wounds on the main trunk-poor cuts. This tree is suppressed by T13.	No work required.	40	B2
T15	Populus alba, White Poplar.	15m	680mm	N 7.4m E 5.6m S 6.9m W 4.5m	3m	M	Fair	Main trunk divides to two at 1.2m. Short lengths of string and wire secured to the trunk. Small dead branch stubs.	Remove string and wire. Remove dead branch stubs.	20	C2
T16	Populus alba, White Poplar, Laburnum.			N E S W		M	Poor	Poor trees.	Remove and replant.	R	R

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T17	Malus sp, Apple.			N E S W		M	Poor	Poor tree.	Remove and replant.	R	R
T18	Prunus cerasifera Pissardii Nigra' Ornamental Purple Plum.	8m	330mm	N 3.6m E 3.9m S 3.7m W 3.0m	2m	M	Good	Main trunk divides to three at 2m. Congested crown. Some dead and broken branches.	Remove dead and broken branches.	20	C2
T19	Acer pseudoplatanus, Sycamore.	7m	170mm	N 2.2m E 2.8m S 2.5m W 2.4m	GL	M	Good	Main trunk divides to four at 2m Overhead cable through the crown.	Create clear channel for overhead cable.	40	B2
T20	Acer pseudoplatanus, Sycamore.	7.5 m	420mm GL	N E S W	GL	M	Fair	Multi-stemmed at ground level. Green wire embedded into the main trunk. Wooden baton secured to the main trunk Some of the stems to the south west have been cut of at 1.5m and are decaying at the end.	Remove wire. Remove wooden baton from the trunk. Carry out remedial pruning to damaged branch ends.	40	B2

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T21	Acer pseudoplatanus, Sycamore.	10m	240mm	N 2.4m E 3.1m S W 2.3m	GL	M	Fair	One trunk through the crown to 6m at which point it divides to two. Wire secured to the main trunk. Wood nailed to the main trunk.	Remove wire. Remove wood from main trunk.	40	B2
T22	Acer pseudoplatanus, Sycamore.	8m	380mm	N 3.2m E 2.8m S W 3.7m	GL	M	Fair	Two stems at ground level. Wire embedded into the stems. Stem to the south is ring barked. Wood nailed to the main trunk.	Remove wire. Remove wood from main trunk.	40	B2
T23	Prunus avium, Wild Gean Cherry.	9m	160mm	N 3.2m E 3.2m S W 2.5m	GL	M	Fair	Main trunk divides to two at 0.6m. Main trunk to the north west is damaged at 2m. Wire through the crown.	Create clear channel for overhead cable.	40	C2
T24	Acer pseudoplatanus, Sycamore.	8m	330mm	N 2.2m E 2.6m S W 3.6m	GL	M	Fair	Three stems arising at ground level. Wire through the crown. Good crown.	Create clear channel for overhead cable.	40	B2

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T25	Acer pseudoplatanus, Sycamore.	11m	490mm GL	N 4.2m E 2.8m S W 3.6m	GL	M	Fair	Main trunk divides to three at 0.3m. One of these assumes the lead and grows through the crown. Stem to the south has been shortened. Some branch damage to the north where limbs have split	Carry out remedial pruning to the area where the limbs have split out.	40	B2
T26	Acer pseudoplatanus, Sycamore.	11m	420mm GL	N 2.8m E 2.3m S W 2.3m	GL	M	Fair	Two stems arising at ground level of which one has been cut off at 1.5m. The remaining trunk grows through the crown.	No work required.	40	B2
T27	Acer pseudoplatanus, Sycamore.	12m	380mm	N 5.5m E 4.7m S W 4.8m	GL	M	Fair	Main trunk divides to two at 2m. Wire embedded into the main trunk.	Remove wire.	40	B2
T28	Acer pseudoplatanus, Sycamore.	12m	940mm GL	N 5.8m E 4.9m S W 4.7m	GL	M	Fair	Five stems arising at ground level which grow parallel through the crown. Good crown.	No work required.	40	B2

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T29	Acer pseudoplatanus, Sycamore.	12m	580mm GL	N 6.4m E 3.8m S W 3.0m	GL	M	Fair	Three stems arising at ground level of which two are major and one is minor. Wire secured to the main trunk. Good crown.	Remove wire.	40	B2
T30	Acer pseudoplatanus, Sycamore.	12m	540mm GL	N 5.1m E 3.8m S W 2.3m	GL	M	Fair	Three stems arising at ground level and all grow through the overall crown. Good crown.	No work required.	40	B2
T31	Acer pseudoplatanus, Sycamore.	12m	440mm GL	N 4.7m E 4.0m S W 2.1m	GL	M	Fair	Two stems arising at ground level. Wire secured to the main trunk.	Remove wire.	40	B2
T32	Acer pseudoplatanus, Sycamore.	10m	450mm GL	N 4.4m E 3.4m S W 3.5m	2m	M	Fair	Two stems arising at ground level. Wire secured to the main trunk.	Remove wire.	40	B2

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T33	Acer pseudoplatanus, Sycamore.	10m	230mm	N 4.4m E 4.7m S W 1.8m	2m	M	Fair	This tree is growing as one with T32. Limited crown spread to the south West.	No work required.	40	B2
T34	Acer pseudoplatanus, Sycamore.	8m	720mm GL	N 2.5m E 4.6m S W 3.4m	GL	M	Fair	Multi-stemmed at ground level. Wire embedded into the main trunk.	Remove wire if possible.	40	B2
T35	Sambucus nigra, Elderberry.			N E S W		M	Poor	Poor tree.	Remove and replant.	R	R
T36	Acer pseudoplatanus, Sycamore.	10m	500mm	N 4.8m E 5.6m S 6.5m W 5.6m	2m	M	Good	Main trunk divides to multi-stem at 3m. Ivy on the main trunk Good crown well shaped.	Remove wire.	40	B2

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T37	Betula pendula, Silver Birch.	12m	350mm GL	N 3.3m E 2.9m S 3.0m W 2.5m	1.5m	M	Fair	Two stems at ground level-this is occluding at the point of division. Bark wound on the stem to the south at 1.5m and to the west at 1m. Lower broken branch to the south at 2.2m. Hawthorn sucker shoots growing out of the base of the trunk to the north	Remove broken branch. Remove hawthorn from base of trunk.	20	B2
T38	Sambucus nigra, Elderberry.			N E S W		M	Poor	Poor tree.	Remove and replant.	R	R
T39	Castanea sativa, Sweet Chestnut.	12m	440mm	N 5.2m E 3.7m S 4.4m W 5.0m	3m	M	Good	Main trunk divides to two at 1.8m. Broken branch to the north east at 4m plus one broken branch to the east at 2.5m. Plastic coated string secured to one of the branches. Minor broken branches. Some branch stubs.	Prune back broken branches. Remove string. Prune back branch stubs.	40	B2

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T40	Sambucus nigra, Elderberry.			N E S W		M	Poor	Poor tree.	Remove and replant.	R	R
T41	X Cupressocy. leylandii, Green Leyland's Cypress.			N E S W		M	Poor	Poor tree.	Remove and replant.	R	R
T42	X Cupressocy. leylandii, Green Leyland's Cypress.	10m		N 1.8m E 1.8m S 1.8m W1.8m	GL	M	Poor	Poor tree.	Remove and replant.	R	R
T43	Fraxinus excelsior, Common Ash.	8m	250mm	N 3.7m E 2.9m S 3.4m W3.4m	1m	M	Good	Main trunk divides to three at 3.5m. The Field Maple growing adjacent to this tree is rubbing the bark off of the branches. Minor dead twigs.	Remove Field Maple.	R	R
T44	Acer campestre, Field Maple.	6m		N E S W	GL	M	Fair	Poor tree.	Remove and replant.	R	R

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T45	X Cupressocy. leylandii, 'Castlewellan'. Golden Leyland's Cypress.	8m	320mm GL	N 1.6m E 1.6m S 1.6m W 1.6m	1m	M	Fair	Main trunk divides to four at 1m. The lower crown is devoid of branches.	No work required.	10	C2
T46	X Cupressocy. leylandii, Green Leyland's Cypress.	8m	340mm	N 1.6m E 1.6m S 1.6m W 1.6m	1m	M	Fair	Main trunk divides to four at 1.5m. Normal build up of dead twigs/small branches in the crown.	No work required.	10	C2
T47	Prunus avium, Wild Gean Cherry.	8m	260mm 350mm	N 3.9m E 3.1m S 3.2m W 3.3m	GL	M	Fair	One main trunk through the crown but two limbs to the north and north east are growing as waterspout stems at 1-1.5m. These are both competing as leading stems. Several major crossing and rubbing branches.	Remove crossing and rubbing branches.	20	C2
T48	Prunus avium, Wild Gean Cherry.	7m		N 4.0m E 4.4m S 5.0m W 4.8m	1.5m	M	Poor	Poor tree.	Remove and replant.	R	R

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T 48A	Crataegus monogyna, Hawthorn			N E S W	GL	M	Poor	Windblown, damaged and poor tree.	Remove and replant.	R	R
T49	Betula pendula, Silver Birch.	9m		N E S W	1m	M	Poor	Poor tree.	Remove and replant.	R	R
T50	X Cupressocy. leylandii, 'Castlewellan'. Golden Leyland's Cypress.			N E S W		M	Poor	Poor tree.	Remove and replant.	R	R
T51	Crataegus monogyna, Hawthorn.	5m	380mm GL	N E 2.4m S 2.8m W 2.0m	GL	M	Fair	Multi-stemmed at ground level. Growing as part of a small hedgerow. This hedgerow is growing at a different level to the surrounding area and is approximately 1m higher. It has a gradual slope up towards the hedge. It is also growing at the side of a ditch.	No work required.	20	C2

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T52	Crataegus monogyna, Hawthorn.	6m	340mm GL	N E 2.8m S 2.8m W 2.0m	GL	M	Fair	<p>Multi-stemmed at ground level.</p> <p>Growing as part of a small hedgerow.</p> <p>This hedgerow is growing at a different level to the surrounding area and is approximately 1m higher. It has a gradual slope up towards the hedge. It is also growing at the side of a ditch.</p>	No work required.	20	C2
T53	Crataegus monogyna, Hawthorn.	6m	420mm GL	N E 2.4m S 2.8m W 2.0m	GL	M	Fair	<p>Multi-stemmed at ground level.</p> <p>Growing as part of a small hedgerow.</p> <p>This hedgerow is growing at a different level to the surrounding area and is approximately 1m higher. It has a gradual slope up towards the hedge. It is also growing at the side of a ditch.</p>	No work required.	20	C2

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T54	Crataegus monogyna, Hawthorn.	6m	440mm GL	N E 2.4m S 2.8m W 2.0m	GL	M	Fair	Multi-stemmed at ground level. Growing as part of a small hedgerow. This hedgerow is growing at a different level to the surrounding area and is approximately 1m higher. It has a gradual slope up towards the hedge. It is also growing at the side of a ditch.	No work required.	20	C2
T55	Crataegus monogyna, Hawthorn.	5m	940mm GL	N E w.4m S 2.8m W 2.0m	GL	M	Fair	Multi-stemmed at ground level. Growing as part of a small hedgerow. This hedgerow is growing at a different level to the surrounding area and is approximately 1m higher. It has a gradual slope up towards the hedge. It is also growing at the side of a ditch.	No work required.	20	C2

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T56	Crataegus monogyna, Hawthorn.	5m	240mm	N 2.6m E 2.4m S 2.8m W 2.0m	GL	M	Fair	<p>One stem at ground level which divides at 0.75m to produce a multi-stemmed crown.</p> <p>Growing as part of a small hedgerow.</p> <p>This hedgerow is growing at a different level to the surrounding area and is approximately 1m higher. It has a gradual slope up towards the hedge. It is also growing at the side of a ditch.</p>	No work required.	20	C2
T57	Sambucus nigra, Elderberry.			N E S W	GL	M	Poor	Poor tree.	Remove and replant.	R	R
T58	Salix caprea, Willow.			N E S W	GL	M	Poor	Poor tree.	Remove and replant.	R	R

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TR NO	SPECIES	HGT m	STEM DIAM mm	BR SPREAD m	HGT OF CRN CLRN m	A G E	PHYS COND	STRUCTURAL CONDITION.	PRELIMINARY MANAGEMENT RECOMMENDATIONS	EST. REMAIN CONT years	C A T
T59	X Cupressocy. leylandii, Green Leyland's Cypress.			N E S W		M	Poor	Poor tree.	Remove and replant.	R	R
T60	X Cupressocy. leylandii, Green Leyland's Cypress.			N E S W		M	Poor	Poor tree.	Remove and replant.	R	R
T61	X Cupressocy. leylandii, Green Leyland's Cypress.			N E S W		M	Poor	Poor tree.	Remove and replant.	R	R
T62	Acer pseudoplatanus, Sycamore.	10m	160mm	N 2.8m E 2.5m S 3.3m W 2.6m	1m	M	Fair	One main trunk through the crown. Minor trunk wound/cavity at 0.75m to the south. Suppressed to the north west by T63.	No work required.	40	B2
T63	Prunus avium, Wild Gean Cherry.	11m	370mm	N 5.3m E 4.2m S 5.0m W 3.9m	1m	M	Fair	One trunk through the crown plus one waterspout limb to the south east at 1.8m. Green wire on the main trunk. Severe branch proliferation to the north east at 2.5m-this is abnormal.	Remove wire.	10	C2

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TR NO	SPECIES	HGT m	STEM DIAM mm	BR SPREAD m	HGT OF CRN CLRN m	A G E	PHYS COND	STRUCTURAL CONDITION.	PRELIMINARY MANAGEMENT RECOMMENDATIONS	EST. REMAIN CONT years	C A T
T64	Acer pseudoplatanus, Sycamore.	13m	400mm	N 4.8m E 3.6m S 4.6m W 4.3m	1.3m	M	Fair	Main trunk divides to three at 4m of which two are major and one is minor. The crown is suppressed to the east by T63. Minor damage to the lower branch at 2m to the north west-the end is broken off at 2m from the main trunk.	No work required.	40	B2
T65	X Cupressocy. leylandii, Green Leyland's Cypress.	12m		N E S W		M	Poor	Poor tree.	Remove and replant.	R	R
T66	Chamaecyparis lawsoniana, Lawson's Cypress.	7m		N E S W	1m	M	Poor	Poor tree.	Remove and replant.	R	R
T67	Prunus avium, Wild Gean Cherry.	10m	290mm	N 4.9m E 7.0m S 3.0m W 5.1m	1m	M	Fair	Main trunk divides to two at 1.8m and one lower minor stem to the north west at ground level. Broken branches at 3m to the south east at 3m.	Prune back broken branch.	10	C2

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T68	Prunus avium, Wild Gean Cherry.	10m	290mm	N 4.2m E 5.6m S 4.7m W 4.4m	1.5m	M	Fair	Main trunk divides to two at 3.5m and a long waterspout limb at ground level to the north east. Numerous old dead branch stubs. Several broken branches within the crown. Overhead wires through the crown.	Prune out broken branches. Create clear channel for overhead cable. Prune back branch stubs.	10	C2
T69	Prunus avium, Wild Gean Cherry.	8m	330mm GL	N 3.4m E 3.4m S 4.0m W 3.8m	1.4m	M	Poor	Main trunk divides to two at 0.3m. Numerous branches have been shortened with branch stubs left in situ-some broken branch ends. The two stems are growing out at right angle.	Prune back branch stubs/broken branch ends.	10	C2
T70	Ailanthus altissima, Tree of Heaven.			N 4.8m E 2.7m S 5.3m W 4.8m	1.8m	M	Poor	Poor tree. Wire embedded into the main trunk at 3m.	Remove and replant.	R	R

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T71	Malus sp, Crab Apple.			N E S W	2m	M	Poor	Poor tree.	Remove and replant.	R	R
T72	Malus sp, Crab Apple.			N E S W	1m	M	Poor	Poor tree.	Remove and replant.	R	R
T73	Prunus amanogawa, Flowering Cherry			N E S W		M	Poor	Poor tree.	Remove and replant.	R	R
T74	Sambucus nigra, Elderberry.			N E S W		M	Poor	Poor tree.	Remove and replant.	R	R
T75	Chamaecyparis lawsoniana 'Stewartii' Golden Lawson's Cypress.			N E S W		M	Poor	Poor tree.	Remove and replant.	R	R

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TR NO	SPECIES	HGT m	STEM DIAM mm	BR SPREAD m	HGT OF CRN CLR m	A G E	PHYS COND	STRUCTURAL CONDITION.	PRELIMINARY MANAGEMENT RECOMMENDATIONS	EST. REMAIN CONT years	C A T
T76	Sambucus nigra, Elderberry.			N E S W		M	Poor	Poor tree.	Remove and replant.	R	R
T77	X Cupressocy. leylandii, Green Leyland's Cypress.			N E S W		M	Poor	Poor tree.	Remove and replant.	R	R
T78	Acer pseudoplatanus, Sycamore.			N E S W		M	Poor	Poor tree.	Remove and replant.	R	R
T79	Acer pseudoplatanus, Sycamore.	6m		N E S W	GL	M	Poor	Poor tree.	Remove and replant.	R	R
T80	Ligustrum ovalifolium, Privet.			N E S W		M	Poor	Poor tree.	Remove and replant.	R	R

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TR NO	SPECIES	HGT m	STEM DIAM mm	BR SPREAD m	HGT OF CRN CLRN m	A G E	PHYS COND	STRUCTURAL CONDITION.	PRELIMINARY MANAGEMENT RECOMMENDATIONS	EST. REMAIN CONT years	C A T
T81	Syringa vulgaris, Lilac.			N E S W		M	Poor	Poor tree.	Remove and replant.	R	R
T82	Syringa vulgaris, Lilac.			N E S W		M	Poor	Poor tree.	Remove and replant.	R	R
T83	Acer pseudoplatanus, Sycamore.	12m	170mm	N 2.4m E 3.7m S 2.9m W 1.5m		M	Poor	Main trunk divides to two at 4m. The main trunk is growing in a curved aspect over its first 4m. Some exposed buttress roots.	No work required.	10	C2
T84	Prunus laurocerasus, Cherry Laurel.			N E S W		M	Poor	Poor tree.	Remove and replant.	R	R
T85	Prunus laurocerasus, Cherry Laurel.			N E S W		M	Poor	Poor tree.	Remove and replant.	R	R

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TR NO	SPECIES	HGT m	STEM DIAM mm	BR SPREAD m	HGT OF CRN CLR m	A G E	PHYS COND	STRUCTURAL CONDITION.	PRELIMINARY MANAGEMENT RECOMMENDATIONS	EST. REMAIN CONT years	C A T
T86	Prunus laurocerasus, Cherry Laurel.			N E S W		M	Poor	Poor tree.	Remove and replant.	R	R
T87	Fraxinus excelsior, Common Ash.	18m	1040mm	N 9.8m E 10m S 12.4m W 10m	3m	M	Good	Slight cut into the bark of the main trunk at 0.8m to the west. Old broken branch stub where the branch has been ripped out at 5m on the lower limb to the south west. The lower limb to the north has been shortened at the ends at 3m from the main trunk. Some dead wood, small branches. Numerous old branch wounds where limbs have been removed.	Prune back damaged branch stub. Remove dead wood.	40	A2
T88	Chamaecyparis lawsoniana, Lawson's Cypress.			N E S W		M	Poor	Poor tree.	Remove and replant.	R	R

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TR NO	SPECIES	HGT m	STEM DIAM mm	BR SPREAD m	HGT OF CRN CLRN m	AGE	PHYS COND	STRUCTURAL CONDITION.	PRELIMINARY MANAGEMENT RECOMMENDATIONS	EST. REMAIN CONT years	C A T
T89	Betula pendula, Silver Birch.	12m	160mm	N 2.4m E 2.6m S 2.4m W 2.2m	1.8m	M	Good	Main trunk divides to two at 2m of which one remains as the main leader and the other is a small lateral stem to the north east. Good young tree.		20	B2
T90	Acer platanoides 'Schwedleri', Norway Maple.	8m	170mm	N 2.6m E 2.4m S 3.0m W 2.6m	2m	M	Poor	Main trunk has been damaged to the north at 0.7m-large wound to the bark. The lower branch to the north has been snapped off-the ripped branch stub is still in situ at 2.2m. The main leader kinks to the south at 2.2m. This limb that has taken over from the original leading shoot which has been suppressed.		20	C2

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T91	Salix, Willow.	10m	640mm	N 4.9m E 5.2m S 3.6m W 4.9m	3m	M	Fair	<p>Pollarded at 3-4m.</p> <p>Main trunk divides to two at 2-3m. Vigorous regrowth.</p> <p>This tree is growing at a lower level than the surrounding area.</p>	<p>This and T92 will be out of place on a new housing development and if they are incorporated into a garden, the resident would be making continual requests for pruning or its removal. If it is to be incorporated into an open space, it would soon become a maintenance liability.</p>	R	R

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T92	Salix, Willow.	18m	840mm	N 7.2m E 7.5m S 6.5m W 6.8m	1m	M	Poor	<p>Main trunk divides to two at 3m.</p> <p>The major limb to the west at 3m has been shortened at 2m from the main trunk.</p> <p>There is some decay on the top of this limb.</p> <p>This tree is growing at a lower level than the surrounding area.</p>	This and T91 will be out of place on a new housing development and if they are incorporated into a garden, the resident would be making continual requests for pruning or its removal. If it is to be incorporated into an open space, it would soon become a maintenance liability.	R	R
T93	Prunus avium, Wild Gean Cherry.			N E S W		M		Poor tree.	Remove and replant.	R	R

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T94	Ligustrum, Privet.			N E S W		M		Poor tree.	Remove and replant.	R	R
T95	Juglans regia, English Walnut.			N E S W		M		Poor tree.	Remove and replant.	R	R
T96	Sambucus nigra, Elderberry.			N E S W		M	Poor	Poor tree.	Remove and replant.	R	R
T97	Syringa vulgaris, Lilac			N E S W		M	Poor	Poor tree.	Remove and replant.	R	R
T98	Acer pseudoplatanus, Sycamore.	8m	1050mm GL	N 3.7m E 3.0m S 4.6m W 2.9m	GL	M	Fair	Multi-stemmed at ground level, approximately 14 stems. Slightly suppressed crown to the west due to T99.		40	B2

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T99	Sambucus nigra, Elderberry.			N E S W		M	Poor	Poor tree.	Remove and replant.	R	R
T 100	Salix caprea, Willow.			N E S W		M	Poor	Extensive canker growths on main trunk and several branches. Badly crossing and rubbing lower branch at 0.5m The trunk of this tree appears to have been burnt.	Remove and replant.	R	R
T 101	Salix caprea, Willow.		910mm GL	N E S W	GL	M	Poor.	Main trunk divides to two at 0.7m. Badly crossing and rubbing branches. Extensive dead wood.	Remove and replant.	R	R
H1	X Cupressocy. Leylandii, Leyland's Cypress.	Ave 5m	Average 150mm GL	N E S W	GL	M	Fair	Short hedgerow consisting of 9 no Leyland's Cypress. Obviously this hedgerow is unkempt due to demolition of the estate.	Remove and replant.	R	R

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H2	Ligustrum ovalifolium, Green Privet.	Ave 2 - 5m	Average 150mm GL	N E S W	GL	M	Fair	Short hedgerow of green Privet which has a height gradient of 2m up to 5m. Obviously this hedgerow is unkempt due to demolition of the estate.	Remove and replant.	R	R
H3	Crataegus monogyna, Hawthorn.	Ave 7m	Average 175mm GL	N E S W	GL	M	Good	Mature hedgerow growing adjacent to a footpath.	Continue cyclical maintenance and ensure height clearance over footpath.	20	B2
H4	Crataegus monogyna, Hawthorn. Ligustrum ovalifolium, Green Privet. Sambucus nigra, Elderberry. Symphoricarpos Snowberry.	5-8m high	Av 200mm		GL	M	Fair	This is a hedgerow that integrates the trees T19 up to approximately T28. This appears to be privately owned. There is a nice short section of Holly hedge running from the Oak Road end up to T19. The remainder of the hedge whilst not of high quality is a very good screen between the proposed development and the adjacent	No work required at this time but any residents who occupy the properties may have to undertake frequent trimming to prevent the garden becoming overtaken with branches.	40	B2

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TR NO	SPECIES	HGT m	STEM DIAM mm	BR SPREAD m	HGT OF CRN CLRN m	AGE	PHYS COND	STRUCTURAL CONDITION.	PRELIMINARY MANAGEMENT RECOMMENDATIONS	EST. REMAIN CONT years	CAT
	Euonymus japonica. Syringa vulgaris, Lilac. Lonicera nitida, Ilex aquifolium, Holly							private properties.			
G1	Populus alba, White Poplar	8m	Average 175mm GL	N E S W	GL	M	Fair	A stand of approximately 60 White Poplars, the majority of which I suspect have originated as sucker shoots.	Remove and replant.	R	R
G2	Ligustrum ovalifolium, Green Privet. Sambucus nigra, Elderberry.	Ave 8m	200mm GL	N E S W	GL	m	Fair	This group is mainly a mix of 4 species. The Hawthorn and Elderberry are at the back of the group running in a line parallel to the boundary fence. The Blackthorn is mainly to the front of the group to the inside of the site.	The Hawthorn to the rear of the group should be retained as a screen on that side of the estate. If these are to be	40	B2

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	Crataegus monogyna, Hawthorn. Prunus spinosa, Blackthorn.							BLACKTHORN RECOMMENDED FOR REMOVAL. THE SCORING APPLIES TO THE HWT HORN.	retained as part of a garden or even on an open space. I would recommend that the Hawthorn be laid to bring it into a condition which renders it easier to adopt a future cyclical maintenance regime.		

ROOT PROTECTION ZONE

The attached sheet(s) provide the root protection areas for each tree on site that is recommended for retention. This allows for developers to calculate the distance within which they can build in proximity to each tree.

I have provided two figures, these being;

The Overall Root protection zone.

This is in effect the total area around the trees canopy and rooting area which is required to be kept free of any development or encroachment to ensure it survives the development and post development period.

The Root Protection Radius

This is the radius of any area necessary to meet the requirements of the overall root protection zone. This should ideally be applied across the full width of the trees canopy.

NB These calculations are in accordance with the requirements of the British Standard Institute Specification 5837, 2005

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TR NO	SPECIES	TRUNK DIAMETER	ROOT PROTECTION AREA RADIUS	OVERALL ROOT PROTECTION AREA
T1	Crataegus monogyna, Hawthorn.	320mm	3.84m	46.33 sq mt
T2	Ilex aquifolium, Holly.	135mm	1.62m	8.25 sq mt
T3	Fraxinus excelsior, Common Ash.	155mm	1.86m	10.87 sq mt
T4	Prunus hisakura, Pink Flowering Cherry.	360mm GL	3.6m	40.72 sq mt
5	Syringa vulgaris, Lilac.	R	R	R
T6	Syringa vulgaris, Lilac.	R	R	R
T7	Syringa vulgaris, Lilac.	R	R	R
T8	X Cupressocyparis leylandii, Green Leyland's Cypress.	R	R	R
T9	Juglans regia, English Walnut.	R	R	R
T10	X Cupressocyparis leylandii, Green Leyland's Cypress.	R	R	R
T11	Prunus cerasifera, Myrobalan Plum.	R	R	R
T12	Crataegus monogyna, Hawthorn.	360mm GL	3.6m	40.72 sq mt
T13	Acer pseudoplatanus, Sycamore.	490mm	5.88m	108.63 sq mt

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TR NO	SPECIES	TRUNK DIAMETER	ROOT PROTECTION AREA RADIUS	OVERALL ROOT PROTECTION AREA
T14	Acer pseudoplatanus, Sycamore.	360mm	4.32m	58.64 sq mt
T15	Populus alba, White Poplar.	680mm	8.16m	209.21 sq mt
T16	Populus alba, White Poplar, Laburnum.	R	R	R
T17	Malus sp, Apple.	R	R	R
T18	Prunus cerasifera Pissardii Nigra' Ornamental Purple Plum.	330mm	3.96m	49.27 sq mt
T19	Acer pseudoplatanus, Sycamore.	170mm	2.04m	13.08 sq mt
T20	Acer pseudoplatanus, Sycamore.	420mm GL	4.2m	55.42 sq mt
T21	Acer pseudoplatanus, Sycamore.	240mm	2.88m	26.06 sq mt
T22	Acer pseudoplatanus, Sycamore.	380mm	4.56m	65.33 sq mt
T23	Prunus avium, Wild Gean Cherry.	160mm	1.92m	11.58 sq mt
T24	Acer pseudoplatanus, Sycamore.	330mm	3.96m	49.27 sq mt
T25	Acer pseudoplatanus, Sycamore.	490mm GL	4.9m	75.44 sq mt

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TR NO	SPECIES	TRUNK DIAMETER	ROOT PROTECTION AREA RADIUS	OVERALL ROOT PROTECTION AREA
T26	Acer pseudoplatanus, Sycamore.	420mm GL	4.2m	55.42 sq mt
T27	Acer pseudoplatanus, Sycamore.	380mm	4.56m	65.33 sq mt
T28	Acer pseudoplatanus, Sycamore.	940mm GL	9.4m	277.63 sq mt
T29	Acer pseudoplatanus, Sycamore.	580mm GL	5.8m	105.70 sq mt
T30	Acer pseudoplatanus, Sycamore.	540mm GL	5.4m	91.62 sq mt
T31	Acer pseudoplatanus, Sycamore.	440mm GL	4.4m	60.83 sq mt
T32	Acer pseudoplatanus, Sycamore.	450mm GL	4.5m	63.63 sq mt
T33	Acer pseudoplatanus, Sycamore.	230mm	2.76m	23.93 sq mt
T34	Acer pseudoplatanus, Sycamore.	720mm GL	7.2m	162.88 sq mt
T35	Sambucus nigra, Elderberry.	R	R	R
T36	Acer pseudoplatanus, Sycamore.	500mm	6.00m	113.11 sq mt
T37	Betula pendula, Silver Birch.	350mm GL	3.5m	38.49 sq mt

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TR NO	SPECIES	TRUNK DIAMETER	ROOT PROTECTION AREA RADIUS	OVERALL ROOT PROTECTION AREA
T38	Sambucus nigra, Elderberry.	R	R	R
T39	Castanea sativa, Sweet Chestnut.	440mm	5.28m	87.59 sq mt
T40	Sambucus nigra, Elderberry.	R	R	R
T41	X Cupressocyparis leylandii, Green Leyland's Cypress.	R	R	R
T42	X Cupressocyparis leylandii, Green Leyland's Cypress.	R	R	R
T43	Fraxinus excelsior, Common Ash.	250mm	3.00m	28.28 sq mt
T44	Acer campestre, Field Maple.	R	R	R
T45	X Cupressocyparis leylandii, 'Castlewellan'. Golden Leyland's Cypress.	320mm GL	3.2m	32.17 sq mt
T46	X Cupressocyparis leylandii, Green Leyland's Cypress.	340mm	4.08m	52.30 sq mt
T47	Prunus avium, Wild Gean Cherry.	260mm 350mm	2.6m 4.20m	21.24 sq mt 55.42 sq mt
T48	Prunus avium, Wild Gean Cherry.	R	R	R
T48a	Crataegus monogyna, Hawthorn.	R	R	R

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TR NO	SPECIES	TRUNK DIAMETER	ROOT PROTECTION AREA RADIUS	OVERALL ROOT PROTECTION AREA
T49	Betula pendula, Silver Birch.	R	R	R
T50	X Cupressocyparis leylandii, 'Castlewellan'. Golden Leyland's Cypress.	R	R	R
T51	Crataegus monogyna, Hawthorn.	380mm GL	3.8m	45.37 sq mt
T52	Crataegus monogyna, Hawthorn.	340mm GL	3.4m	36.32 sq mt
T53	Crataegus monogyna, Hawthorn.	420mm GL	4.2m	55.42 sq mt
T54	Crataegus monogyna, Hawthorn.	440mm GL	4.4m	60.83 sq mt
T55	Crataegus monogyna, Hawthorn.	940mm GL	9.4m	277.63 sq mt
T56	Crataegus monogyna, Hawthorn.	240mm	2.88m	26.06 sq mt
T57	Sambucus nigra, Elderberry.	R	R	R
T58	Salix caprea, Willow.	R	R	R
T59	X Cupressocyparis leylandii, Green Leyland's Cypress.	R	R	R

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TR NO	SPECIES	TRUNK DIAMETER	ROOT PROTECTION AREA RADIUS	OVERALL ROOT PROTECTION AREA
T60	X Cupressocyparis leylandii, Green Leyland's Cypress.	R	R	R
T61	X Cupressocyparis leylandii, Green Leyland's Cypress.	R	R	R
T62	Acer pseudoplatanus, Sycamore.	160mm	1.92m	11.58 sq mt
T63	Prunus avium, Wild Gean Cherry.	370mm	4.44m	61.94 sq mt
T64	Acer pseudoplatanus, Sycamore.	400mm	4.80m	72.39 sq mt
T65	X Cupressocyparis leylandii, Green Leyland's Cypress.	R	R	R
T66	Chamaecyparis lawsoniana, Lawson's Cypress.	R	R	R
T67	Prunus avium, Wild Gean Cherry.	290mm	3.48m	38.05 sq mt
T68	Prunus avium, Wild Gean Cherry.	290mm	3.48m	38.05 sq mt
T69	Prunus avium, Wild Gean Cherry.	330mm GL	3.3m	34.22
T70	Ailanthus altissima, Tree of Heaven.	R	R	R
T71	Malus sp, Crab Apple.	R	R	R

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 Michael Cooper. M.Arb. Dip. P.R.A

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 Technical Manager; Peter Rice.

TR NO	SPECIES	TRUNK DIAMETER	ROOT PROTECTION AREA RADIUS	OVERALL ROOT PROTECTION AREA
T72	Malus sp, Crab Apple.	R	R	R
T73	Prunus amanogawa, Flowering Cherry	R	R	R
T74	Sambucus nigra, Elderberry.	R	R	R
T75	Chamaecyparis lawsoniana 'Stewartii' Golden Lawson's Cypress.	R	R	R
T76	Sambucus nigra, Elderberry.	R	R	R
T77	X Cupressocyparis leylandii, Green Leyland's Cypress.	R	R	R
T78	Acer pseudoplatanus, Sycamore.	R	R	R
T79	Acer pseudoplatanus, Sycamore.	R	R	R
T80	Ligustrum ovalifolium, Privet.	R	R	R
T81	Syringa vulgaris, Lilac.	R	R	R
T82	Syringa vulgaris, Lilac.	R	R	R
T83	Acer pseudoplatanus, Sycamore.	170mm	2.04m	13.08 sq mt

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TR NO	SPECIES	TRUNK DIAMETER	ROOT PROTECTION AREA RADIUS	OVERALL ROOT PROTECTION AREA
T84	Prunus laurocerasus, Cherry Laurel.	R	R	R
T85	Prunus laurocerasus, Cherry Laurel.	R	R	R
T86	Prunus laurocerasus, Cherry Laurel.	R	R	R
T87	Fraxinus excelsior, Common Ash.	1040mm	12.48m	489.37 sq mt
T88	Chamaecyparis lawsoniana, Lawson's Cypress.	R	R	R
T89	Betula pendula, Silver Birch.	160mm	1.92m	11.58 sq mt
T90	Acer platanoides 'Schwedleri', Norway Maple.	170mm	2.04m	13.08 sq mt
T91	Salix, Willow.	640mm	6.4m	128.70 sq mt
T92	Salix, Willow.	840mm	8.4m	221.70 sq mt
T93	Prunus avium, Wild Gean Cherry.	R	R	R
T94	Ligustrum, Privet.	R	R	R
T95	Juglans regia, English Walnut.	R	R	R
T96	Sambucus nigra, Elderberry.	R	R	R
T97	Syringa vulgaris, Lilac	R	R	R

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T98	Acer pseudoplatanus, Sycamore.	1050mm GL	10.5m	346.41 sq mt
T99	Sambucus nigra, Elderberry.	R	R	R
T 100	Salix caprea, Willow.	R	R	R
T 101	Salix caprea, Willow.	R	R	R
H1	X Cupressocy. Leylandii, Leyland's Cypress.	Average 150mm GL	I recommend a distance of 3m beyond the edge of the crown spreads to be fenced off to ensure the safe retention of the hedgerows on this site.	I recommend a distance of 3m beyond the edge of the crown spreads to be fenced off to ensure the safe retention of the hedgerows on this site.
H2	Ligustrum ovalifolium, Green Privet.	Average 150mm GL	I recommend a distance of 3m beyond the edge of the crown spreads to be fenced off to ensure the safe retention of the hedgerows on this site.	I recommend a distance of 3m beyond the edge of the crown spreads to be fenced off to ensure the safe retention of the hedgerows on this site.

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TR NO	SPECIES	TRUNK DIAMETER	ROOT PROTECTION AREA RADIUS	OVERALL ROOT PROTECTION AREA
H3	Crataegus monogyna, Hawthorn.	Average 175mm GL	I recommend a distance of 3m beyond the edge of the crown spreads to be fenced off to ensure the safe retention of the hedgerows on this site.	I recommend a distance of 3m beyond the edge of the crown spreads to be fenced off to ensure the safe retention of the hedgerows on this site.
H4	Crataegus monogyna, Hawthorn. Ligustrum ovalifolium, Green Privet. Sambucus nigra, Elderberry. Symphoricarpos Snowberry. Euonymus japonica. Syringa vulgaris, Lilac. Lonicera nitida, Ilex aquifolium, Holly	Av 200mm	I recommend a distance of 3m beyond the edge of the crown spreads to be fenced off to ensure the safe retention of the hedgerows on this site.	I recommend a distance of 3m beyond the edge of the crown spreads to be fenced off to ensure the safe retention of the hedgerows on this site.
G1	Populus alba, White Poplar	R	R	R

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TR NO	SPECIES	TRUNK DIAMETER	ROOT PROTECTION AREA RADIUS	OVERALL ROOT PROTECTION AREA
G2	Ligustrum ovalifolium, Green Privet. Sambucus nigra, Elderberry. Crataegus monogyna, Hawthorn. Prunus spinosa, Blackthorn.	200mm GL	I recommend a distance of 3m beyond the edge of the crown spreads to be fenced off to ensure the safe retention of the hedgerows on this site.	I recommend a distance of 3m beyond the edge of the crown spreads to be fenced off to ensure the safe retention of the hedgerows on this site.

