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Tree Ref No.	Species	Height(m)	Stem Diameter (mm) Root Protection Area (m2)] Radius of Root Protection Area	Crown base (lowest significant point above ground) (m) + compass orientation	Branch Spread (m)	Age Class	Physiological/ Structural Condition	Preliminary Management Recommendations	Estimated Remaining Useful Contribution (years)	Category Grading
T1	Crab apple	10	290 38.05m² 3.48m	4.0 E	N = 4.0 E = 4.0 S = 3.0 W = 3.0	M	Fair/Fair	Some bark damage on south side of trunk, third-party tree *None	20+	B1
Т2	Western red cedar	11	350 55.42m² 4.20m	1.0 S	N = 2.0 E = 3.0 S = 3.0 W = 3.0	М	Good/Good	Western red cedar of good form, third-party tree *None	20+	В2
G1	Privet	3	50-75 2.54m ² 0.90	2.0 N	N = 1.0 E = 4.0 S = 1.0 W = 4.0	М	Fair/Fair	Unremarkable/overgrown privet hedge, third-party hedge *None	10+	C3
Т3	Western red cedar	9	220 21.90m² 2.64m	1.0 S	N = 2.0 E = 3.0 S = 3.0 W = 2.0	М	Poor/Poor	Entangled with T4, third-party tree *None	<10	C1

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Tree Ref No.	Species	Height(m)	Stem Diameter (mm) Root Protection Area (m2)] Radius of Root Protection Area	Crown base (lowest significant point above ground) (m)	Branch Spread (m)	Age Class	Physiological/ Structural Condition	Preliminary Management Recommendations	Estimated Remaining Useful Contribution (years)	Category Grading
Т4	Crab apple	9	290 38.05m² 3.48m	3.0 N	N = 3.0 E = 3.0 S = 3.0 W = 2.0	M	Good/Good	Entangled with T3, third-party tree *None	20+	B1
Т5	Western red cedar	10	260 (est) 30.58m² 3.12m	1.0 S	N = 3.0 E = 2.0 S = 3.0 W = 2.0	М	Good/Good	Some ivy cover on trunk, third-party tree *None	20+	B2
G2	Western red cedar x 4	10	260-280 35.47m² 3.36m	3.0 NE	N = 3.0 E = 4.5 S = 3.0 W = 4.5	M	Good/Good	Fair closely grown western red cedars, probably an outgrown hedge, third-party trees *None	20+	В2
G3	Privet	4	50-70 2.22m ² 0.84	Ground level S	N = 1.5 E = S = W =	М	Good/Good	Outgrown privet hedge, third-party hedge *None	10+	C3

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Tree Ref No.	Species	Height(m)	Stem Diameter (mm) Root Protection Area (m2)] Radius of Root Protection Area	Crown base (lowest significant point above ground) (m)	Branch Spread (m)	Age Class	Physiological/ Structural Condition	Preliminary Management Recommendations	Estimated Remaining Useful Contribution (years)	Category Grading
Т6	Western red cedar				N = E = S = W =		DEAD	*Remove, third-party tree		U
Т7	Leyland cypress	8	260 (est) 30.58m² 3.12m	2.5 N	N = 2.0 E = 2.0 S = 2.0 W = 3.0	М	Good/Good	Unremarkable Leyland cypress, third-party tree *None	20+	B1
Т8	Hawthorn	7	160 (est) 11.58m² 1.92m	2.5 W	N = 2.0 E = 2.0 S = 1.5 W = 3.0	М	Good/Fair	Tangled, untidy crown, third-party tree *None	20+	C1
Т9	Norway maple				N = E = S = W =		DEAD	*Remove, third-party tree		U

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Tree Ref No.	Species	Height(m)	Stem Diameter (mm) Root Protection Area (m2)] Radius of Root Protection Area	Crown base (lowest significant point above ground) (m)	Branch Spread (m)	Age Class	Physiological/ Structural Condition	Preliminary Management Recommendations	Estimated Remaining Useful Contribution (years)	Category Grading
T10	Plum	7	280 (est) 35.47m² 3.36m	1.5 E	N = 4.0 E = 4.0 S = 3.5 W = 1.0	М	Good/Fair	Self-seeded suckering tree, third-party tree *None	20+	C1
T11	Crab apple	9	290(est) 38.05m² 3.48m	1.7 N	N = 5.0 E = 4.0 S = 4.0 W = 4.0	М	Good/Good	Attractive off-site tree *None	20+	B1
G4	Western red cedar x 3	10	290/160/290 38.05m ² 3.48m	2.5 N	N = 3.0 E = 3.0 S = 2.0 W = 2.0	М	Good/Good	Group of three closely grouped western red cedars, third-party trees *None	20+	В2
G 5	Hawthorn/Lime/ Norway maple	7	100-270(est) 32.98m ² 3.24m	3.0 N	N = 3.0 E = 3.0 S = 3.0 W = 2.0	EM	Fair/Fair	Unremarkable early mature trees, third-party trees *None	20+	C1

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Tree Ref No.	Species	Height(m)	Stem Diameter (mm) Root Protection Area (m2)] Radius of Root Protection Area	Crown base (lowest significant point above ground) (m)	Branch Spread (m)	Age Class	Physiological/ Structural Condition	Preliminary Management Recommendations	Estimated Remaining Useful Contribution (years)	Category Grading
G6	Hawthorn	6	120-140 8.87m² 1.68m	3.0 N	N = 2.5 E = 2.0 S = 5.0 W = 2.0 2m NW over site	М	Fair/Fair	Hawthorn group, third-party trees *None	20+	C2
G7	Hawthorn with some ingrown cherry 48m long hedge	6- 8	120-140 8.87m² 1.68m	3.0 N	NE=24.0 E = 3.0 SW=24. 0 W = 2.0 (into site)	М	Fair/Fair	Outgrown hawthorn hedge with some cherry at the southern end, third-party trees *None	20+	C2
G8	Cherry x 2	3-5	140/300 40.72m ² 3.60m	0.5 N	N = 4.0 E = 2.0 S = 3.0 W = 2.0	М	Fair/Fair	Off-site cherry trees, third-party trees *None	20+	C1
G9	Elder/sycamore	5-7	Multi-stemmed	3.0 S	N = 3.0 E = 3.0 S = 4.0 W = 3.0	EM	Fair/Fair	Self-seeded, multi-stemmed trees, third-party trees *None	10+	C1

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Tree Ref No.	Species	Height(m)	Stem Diameter (mm) Root Protection Area (m2)] Radius of Root Protection Area	Crown base (lowest significant point above ground) (m)	Branch Spread (m)	Age Class	Physiological/ Structural Condition	Preliminary Management Recommendations	Estimated Remaining Useful Contribution (years)	Category Grading
G10	Cherry	8	220-280(est) 35.47m ² 3.36m	3.0 E	N = E = 3.0 S = W =	М	Fair/Fair	Self-seeded, multi-stemmed trees, third-party trees *None	20+	C1
T12	Norway maple	9	320(est) 46.32m² 3.84m	3.0 E	N = 3.0 E = 4.0 S = 4.0 W = 4.0	М	Good/Good	Norway maple of reasonable form, third-party tree *None	20+	B1
T13	Norway maple	8	270(est) 32.98m² 3.24m	3.0 N	N = 2.0 E = 1.5 S = 2.0 W = 3.0	М	Fair/Fair	Scrappy Norway maple, third-party tree *None	10+	C1
T14	Norway maple	11	340(est) 52.30m² 4.08m	2.5 N	N = 3.0 E = 3.0 S = 3.0 W = 2.0	М	Good/Fair	Large limb has been removed on northeast side, third-party tree *None	20+	C1

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Tree Ref No.	Species	Height(m)	Stem Diameter (mm) Root Protection Area (m2)] Radius of Root Protection Area	Crown base (lowest significant point above ground) (m)	Branch Spread (m)	Age Class	Physiological/ Structural Condition	Preliminary Management Recommendations	Estimated Remaining Useful Contribution (years)	Category Grading
T15	Ash	12	320(est) 46.32m² 3.84m	4.0 E	N = 4.0 E = 4.0 S = 5.0 W = 4.0	М	Good/Good	Self-seeded ash growing well, third-party tree *None	20+	B1
Т16	Tree of Heaven	8	320(est) 46.32m² 3.84m	5.0 W	N = 2.0 E = 1.0 S = W = 3.0	М	Poor/Poor	One-sided declining tree, third-party tree *Remove	<10	U
T17	Strawberry tree	5	150 10.18m² 1.80m	0.5 W	N = 2.0 E = 1.5 S = 1.5 W = 2.0	М	Good/Good	Small, unobtrusive tree, third-party tree *None	20+	B1
T18	False acacia	10	140(est) 8.87m² 1.68m	6.0 E	N = 2.0 E = 3.0 S = 3.0 W = 2.0	M	Poor/Poor	Suppressed tree, third-party tree *None	<10	C1

Tree Ref No.	Species	Height(m)	Stem Diameter (mm) Root Protection Area (m2)] Radius of Root Protection Area	Crown base (lowest significant point above ground) (m)	Branch Spread (m)	Age Class	Physiological/ Structural Condition	Preliminary Management Recommendations	Estimated Remaining Useful Contribution (years)	Category Grading
T19	False acacia	10	210(est) 19.95m² 2.52m	5.0 N	N = 3.0 E = 3.0 S = 3.0 W = 2.0	M	Fair/Fair	Species typical false acacia, third-party tree *None	20+	C1
Т20	Beech	10	210(est) 19.95m² 2.52m	5.0 N	N = 2.0 E = 1.5 S = 2.0 W = 3.0	M	Good/Good	Has been crown lifted to 5m above ground level, third-party tree *None	20+	B1
T21	Tulip tree	12	220(est) 21.90m² 2.64m	6.0 N	N = 3.0 E = 2.0 S = 2.0 W = 2.0	М	Fair/Fair	Some dieback in upper crown and deadwood present, third-party tree *None	<10	C1
T22	Lawson cypress	10	220(est) 21.90m² 2.64m	3.0 N	N = 2.0 E = 2.0 S = 2.0 W = 2.0	M	Good/Good	Unremarkable Lawson cypress, third-party tree *None	20+	B1

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Tree Ref No.	Species	Height(m)	Stem Diameter (mm) Root Protection Area (m2)] Radius of Root Protection Area	Crown base (lowest significant point above ground) (m)	Branch Spread (m)	Age Class	Physiological/ Structural Condition	Preliminary Management Recommendations	Estimated Remaining Useful Contribution (years)	Category Grading
T23	Wild cherry	10	240(est) 26.06m² 2.88m	3.5 N	N = 3.0 E = 4.0 S = 3.0 W = 2.0	М	Good/Good	Self-seeded wild cherry tree, third-party tree *None	<10	C1
T24	Wellingtonia				N = E = S = W =		DEAD	*Remove		U
T25	Southern beech	10	380(est) 65.33m² 4.56m	1.5 N	N = 5.0 E = 2.0 S = 2.0 W = 3.0	М	Good/Fair	Regrown pollarded tree, third-party tree *None	20+	C1
T26	Beech	10	380(est) 65.33m² 4.56m	2.5 N	N = 4.0 E = 3.0 S = 3.0 W = 4.0	M	Good/Good	Has been previously crown lifted, tangled crown, third-party tree *None	20+	C1

Tree Ref No.	Species	Height(m)	Stem Diameter (mm) Root Protection Area (m2)] Radius of Root Protection Area	Crown base (lowest significant point above ground) (m)	Branch Spread (m)	Age Class	Physiological/ Structural Condition	Preliminary Management Recommendations	Estimated Remaining Useful Contribution (years)	Category Grading
Т27	Honey locust	10	350(est) 55.42m² 4.20m	3.0 S	N = 5.0 E = 2.0 S = 2.0 W = 4.0	M	Good/Good	Has been cut back on eastern side-potential to recover well, third-party tree *None	20+	B1
T28	Elm	3	60(est) 1.63m² 0.72m	1.8 W	N = 1.0 E = 1.0 S = 1.0 W = 1.0	М	Poor/Poor	Some dieback and bleeding canker present on south side of crown *Remove	NONE	U
Т29	Juniper	8	230(est) 23.93m² 2.76m	Ground level	N = 2.0 E = 4.0 S = 4.0 W = 2.0	M	Good/Good	Exotic tree to be removed to enable development, little amenity value from outside of the site *Remove	20+	U
Т30	Balsam poplar	17	810(est) 296.81m² 9.72m	8.0 S	N = 4.0 E = 4.0 S = 5.0 W = 3.0	М	Good/Poor	Significant decay on southeast side resulting from historic branch removal, very limited useful life expectancy, hazardous tree *Remove	NONE	U

DATE: 27TH NOVEMBER 2020

TREE SCHEDULE SURVEY: BS5837 (2012) COMPLIANT RE SITE: BIOPARK, BROADWATER ROAD, WELWYN GARDEN CITY, HERTS AL7 3AX

Tree Ref No.	Species	Height(m)	Stem Diameter (mm) Root Protection Area (m2)] Radius of Root Protection Area	Crown base (lowest significant point above ground) (m)	Branch Spread (m)	Age Class	Physiological/ Structural Condition	Preliminary Management Recommendations	Estimated Remaining Useful Contribution (years)	Category Grading
T31	Hawthorn	5	290(est) 38.05m² 3.48m	1.6 S	N = 3.0 E = 4.0 S = 3.0 W = 3.0	М	Good/Fair	Basal wound at base on west side, incipient crown dieback *Remove	<10	U

Age Class: EM = Young (first third of life expectancy)

OM = Over Mature (beyond life expectancy and declining naturally)

M = Middle Aged (second third of life expectancy) V = Veteran (of great age for its species and possibly of

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conservation value)

Good = no significant physiological problems Condition: P = Physiological

> S = structural Good = no significant structural problems

Fair = symptoms of ill health that can be remediated

Fair = significant defects that can be remediated

Poor = significant ill health

Poor = significant defects - no viable remedial action

Priority Category = U = URGENT WORKS - 1 = within one year - 2 = within two years - 3 = within three years - N/A = No Action

Zone A - Trees located close to and specifically within falling distance of adjacent properties, built structures and areas of high use – Inspection to be annual by a qualified arborist.

Zone B - Trees located within gardens and open areas though not adjacent to roads - Inspection to be biennially by a person with an appropriate and working knowledge of trees

and tree structural defects.