


Surveyor	Heather Eilbeck
Date	11.06.2018
Town	Chester
Site	Warren Hall
Dwg Ref	D7016.001
SITE no.	



NOTES: Enter all stem diameters in cells to the right  
2012 UPDATE

Enter "x" into the yellow cells on the next row and hit the "Hide Columns" button in order to hide columns

Tree / Group / Wood / Hedge	Nr	Species	Height	Stem Dia.	No. of stems/ individuals	Crown Spread North	Crown Spread South	Crown Spread East	Crown Spread West	Height of Lowest Branch	Direction of Lowest Branch	Maturity	Condition	Comments on form, condition, health and significant defects	BS Tree Quality Assess.	Management Recommendations	Estimated Remaining Contribution	TPO	Calculated BS5837 RPA Area	BS5837 RPA Override
T,G,W,H		Use 'Lists' button to show Species	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)		Young, Middle Age, Mature	Good, Fair, Poor, Veteran	Use 'Lists' button to show list of Comments	A,B,C,U (1,2,3)	Use 'Lists' button to show list of Recommendations	Long, Medium, Short	Y/N	(m2)	(m2)
H	1	Hawthorn,	1	75-100	N/A							Mature	Good	Managed hedge.			Long	N	n/a	n/a
W	1	Ash, Holly,	25	250-650	N/A							Mature	Good	Some standing dead trees within woodland, woodland in general.	B ,2	No management works required a review of works	Long	N	n/a	n/a
T	1	English oak	12	1030	1	9	9	9	8	2	E	Mature	Good	Good form, moderate deadwood in canopy up to 80mm diameter	A ,1,2	No management works required a review of works	Long	N	479.94	n/a
T	2	Ash	9	280	1	3	3	3	3	1.5	W	Middle Age	Good	Adjacent to stream/ditch.	C ,2		Long	N	35.47	n/a
H	2	Hawthorn	2.5	75-100	N/A							Mature	Good	Field boundary hedge.			Long	N	n/a	n/a
T	3	Turkey oak	17	950	1	8	8	8	8	2.5	W	Mature	Good	Located within adjacent property, large specimen, good form, good	A ,1,2		Long	N	408.28	n/a
G	1	Wild cherry,	14	200-400	N/A							Middle Age to Mature	Good	Located within adjacent property, mixed species group, understory	B ,2	No management works required a review of works	Long	N	n/a	n/a
T	4	English oak	14	1330	1	10	10	13	10	3.5	E	Mature	Fair	Located in field close to adjacent property boundary and G1, large	A ,1,2	No management works required a review of works	Long	N	800.23	707.00
T	5	Sycamore	17	1050	1	10	10	5	7	3.5	N	Mature	Poor	Located in field close to adjacent property boundary and G1	C ,2	Re-survey in 2 years to monitor progression of decline	Medium	N	498.76	n/a
T	6	Ash	23	1499	2	12	12	8	10	4.5	N	Mature	Poor	Located in adjacent property, large twin stem, included stem	C ,2		Medium	N	1016.70	707.00
T	7	Horse chestnut	15	850	1	5	5	6	5	1.5	N	Mature	Good	Located within adjacent property, surveyed from vantage point due	B ,2		Long	N	326.85	n/a
T	8	Sycamore	15	900	1	8	7	8	8	4	NW	Mature	Good	Located within adjacent property, minor dieback in upper canopy on	B ,2		Long	N	366.44	n/a
T	9	Scots pine	24	1000	1	4	4	6	4	13	N	Mature	Good	Located within adjacent property, large to south-east, directly	A ,2		Long	N	452.39	n/a
T	10	English oak	20	1000	1	5	7	7	6	8	E	Mature	Good	Located within adjacent property, slight lean to south-east, directly	A ,1,2		Long	N	452.39	n/a
H	3	Hawthorn,	2	75-100	N/A							Mature	Good	Managed roadside hedge.			Long	N	n/a	n/a
H	4	Hawthorn	2	75-100	N/A							Mature	Good	Managed hedge.			Long	N	n/a	n/a
T	11	Holly	6	197	3	1	1	1	1	1	S	Young to Middle Age	Good	Hedgerow tree.	C ,2		Long	N	17.55	n/a
G	2	Elder,	16	150-400	N/A							Middle Age	Good	Mixed species group with several individuals within thick bramble	B ,2	No management works required a review of works	Long	N	n/a	n/a
T	12	English oak	19	1110	1	8	9	6	7	2	NE	Mature	Fair	Within G2, large specimen, adjacent to stream/ditch, some	A ,2	No management works required a review of works	Long	N	557.39	n/a
T	13	English oak	17	890	1	7	9	10	2	2	NE	Mature	Fair	Within G2, adjacent to stream/ditch, suppressed to west	B ,2		Long	N	358.34	n/a
T	14	English oak	16	1260	1	5	10	8	7	1.5	N	Mature	Fair	Located within G2, early veteran characteristic evident, provision	B ,1,3	No management works required a review of works	Long	N	718.21	707.00
T	15	English oak	13	1240	1	9	10	8	10	4	S	Mature	Fair	Located within G2, moderate to major deadwood in canopy up to	A ,1,2	No management works required a review of works	Long	N	695.59	n/a
T	16	English oak	12	1040	1	6	6	6	6	4	E	Mature	Good	Adjacent to stream/ditch, good form, moderate to major	A ,1,2	No management works required a review of works	Long	N	489.30	n/a
T	17	English oak	14	1120	1	7	7	7	7	8	N	Mature	Fair	Adjacent to stream/ditch, major deadwood in canopy up to	A ,1,2	No management works required a review of works	Long	N	567.48	n/a
T	18	English oak	12	1010	1	8	8	9	8	2	E	Mature	Good	Good form, moderate deadwood in canopy up to 80mm diameter	A ,1,2	No management works required a review of works	Long	N	461.48	n/a
T	19	English oak	15	1310	1	8	10	8	8	3.5	NW	Mature	Fair	Major deadwood up to 280mm diameter, moderate dieback in	B ,1,2	No management works required a review of works	Long	N	776.35	707.00
T	20	Hawthorn	5	150	1	1	1	1	1	1	N	Middle Age	Good	Hedgerow tree, ivy growing into canopy which may hide additional	C ,2		Long	N	10.18	n/a
T	21	Ash	18	580	2	7	7	6	6	2.5	N	Mature	Good	Thick undergrowth preventing access to base, minor	B ,2		Long	N	152.18	n/a
H	5	Hawthorn,	2	75-100	N/A							Mature	Good	Managed hedge.			Long	N	n/a	n/a
T	22	English oak	11	1050	1	6	6	6	5	2.5	S	Mature	Fair	Major deadwood up to 180mm diameter, moderate dieback in	B ,1,2	No management works required a review of works	Long	N	498.76	n/a
T	23	English oak	11	1010	1	8	5	11	4	2.5	E	Mature	Fair	Heavily biased to east, moderate dieback in northwest side of	B ,1,2	No management works required a review of works	Long	N	461.48	n/a

T	24	English oak	14	1440	1	8	8	8	8	2.5	SE	Mature	Good	Good form, small amount of major deadwood up to 180mm diameter	A	,1,2	No management works required, a review of works	Long	N	938.07	707.00
T	25	English oak	15	1070	1	7	7	10	6	3	W	Mature	Fair	Slight lean to south-east, major deadwood up to 180mm	B	,1,2	No management works required, a review of works	Long	N	517.94	n/a
T	26	English oak	12	1300	1	6	6	7	6	2	S	Mature	Good	Unable to access base due to fencing/barbed wire/hedge, ivy on	A	,1,2	Sever ivy to allow for easier re-survey, remove large	Long	N	764.54	707.00
T	27	English oak	13	1350	1	7	5	8	5	4	N	Mature	Good	Unable to access base due to fencing/barbed wire/hedge	B	,1,2	Remove large deadwood over 60mm diameter from roadside	Long	N	824.48	707.00
T	28	English oak	11	600	1	4	6	6	7	2.5	N	Mature	Good	Unable to access base due to fencing/barbed wire/hedge	B	,2	Remove large deadwood over 60mm diameter from roadside	Long	N	162.86	n/a
T	29	English oak	8	380	1	4	4	3	3	2	N	Middle Age	Good	Unable to access base due to fencing/barbed wire/hedge	C	,2	No management works required, a review of works	Long	N	65.33	n/a
T	30	English oak	11	750	1	6	6	4	4	1.5	W	Mature	Fair	Unable to access base due to fencing/barbed wire/hedge	C	,2	Re-survey in 2 years to monitor progression of decline	Long	N	254.47	n/a
T	31	English oak	11	1000	1	8	8	8	8	2.5	S	Mature	Good	Unable to access base due to fencing/barbed wire/hedge, pond	A	,1,2	Sever ivy to allow for easier re-survey, remove large	Long	N	452.39	n/a
T	32	English oak	12	1000	1	9	9	9	9	3	W	Mature	Good	Unable to access base due to fencing/barbed wire/hedge, pond	A	,1,2	Sever ivy to allow for easier re-survey	Long	N	452.39	n/a
H	6	Hawthorn	3	100-120	N/A							Mature	Good	Managed roadside hedge.				Long	N	n/a	n/a
G	3	English oak, <del>Overgrown</del>	16	150-400	N/A							Middle Age to Mature	Good	Roadside group that runs into the adjacent property (Warren Hall)	B	,2	Thin by 15%.	Long	N	n/a	n/a
T	33	Beech	16	800	1	3	8	5	8	6	W	Mature	Fair	Previously failed stem on north side, failed limb is hung up in tree	C	,2	Remove large hanger from adjacent tree, sever ivy to	Long	N	289.53	n/a
T	34	English oak	12	1000	1	9	8	8	8	4	N	Mature	Good	Located within G4, thick undergrowth around base of tree	A	,1,2		Long	N	452.39	n/a
T	35	Crack willow	17	450	1	10	4	5	5	9	NW	Mature	Good	Located within G4, heavily leans to north-west over grass area, no	B	,2	No management works required, a review of works	Long	N	91.61	n/a
G	4	Ash, Elder, <del>Alnus, Crataegus</del>	15	150-500	N/A							Middle Age to Mature	Fair	Area surrounding pond to south of Warren Hall area is fenced off	B	,2	No management works required, a review of works	Long	N	n/a	n/a
T	36	Red horse <del>chestnut</del>	14	450	1	4	4	5	4	3.5	SE	Middle Age	Good	Located within G4, but no ivy on north-east side of	B	,2	No management works required, a review of works	Long	N	91.61	n/a
T	37	Red horse <del>chestnut</del>	12	450	1	0	5	5	3	3	W	Middle Age	Fair	Located within G4, previously suppressed by trees to south	C	,2	No management works required, a review of works	Medium	N	91.61	n/a
G	5	Crack willow	16	200-400	10							Middle Age to Mature	Good	2 multi-stem trees located within G4, tree to west has low hanging	C	,2	No management works required, a review of works	Long	N	n/a	n/a
G	6	Goat willow, <del>Crack willow</del>	17	200-600	N/A							Mature	Good	Within adjacent property, fenced off area, some standing dead	B	,2		Long	N	n/a	n/a
G	7	Crack willow	19	300-600	7							Middle Age to Mature	Good	Located within G4, ivy on some stems may hide additional	B	,2	No management works required, a review of works	Long	N	n/a	n/a
T	38	English oak	9	400	1	3	4	4	5	2	S	Middle Age	Poor	In waterlogged area, bark Dennis is on stem, main disback	C	,2	No management works required, a review of works	Medium	N	72.38	n/a
W	2	Goat willow, <del>Overgrown</del>	21	250-700	N/A							Middle Age to Mature	Fair	The majority of this area is fenced off, but some areas of	B	,2	No management works required, a review of works	Long	N	n/a	n/a
H	7	Elder, <del>Hawthorn</del>	3	75-100	N/A							Mature	Good	Managed hedge.				Long	N	n/a	n/a
G	8	Hawthorn, <del>Sycamore</del>	6	100-120	N/A							Middle Age	Good	Lapsed roadside hedge.	C	,2		Long	N	n/a	n/a
T	39	Sycamore	14	600	1	5	5	5	4	3.5	S	Mature	Good	Roadside tree, thick undergrowth surrounding base, overhanging	B	,2	Sever ivy to allow for easier re-survey	Long	N	162.86	n/a

# APPENDIX D: Arboricultural Survey Data Sheets



Surveyor Heather Eilbeck  
Date 11.06.2018  
Town Chester  
Site Warren Hall  
Dwg Ref D7016.001

Ref	Species	Height	Stem Dia.	No. of stems/ individuals	Crown Spread North	Crown Spread South	Crown Spread East	Crown Spread West	Height of Lowest Branch	Direction of Lowest Branch	Maturity	Condition	Comments on form, condition, health and significant defects	BS5837 Tree Quality Assess.	Radius of RPA guide circle	BS5837 RPA Area	Management Recommendations	Estimated Remaining Contribution	TPO
		(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)		Young, Middle Age, Mature	Good, Fair, Poor, Veteran		A,B,C,U (1,2,3)	(m)	(m2)		Long, Medium, Short	Y/N
<b>Trees</b>																			
T1	English oak	12.0	1030	1.0	9.0	9.0	9.0	8.0	2.0	E	Mature	Good	Good form, moderate deadwood in canopy up to 80mm diameter, large specimen, ground around base trampled by cattle.	A,1,2	12.4	479.9	No management works required, a review of works will be required subject to future development proposals.	Long	N
T2	Ash	9.0	280	1.0	3.0	3.0	3.0	3.0	1.5	W	Middle Age	Good	Adjacent to stream/ditch.	C,2	3.4	35.5		Long	N
T3	Turkey oak	17.0	950	1.0	8.0	8.0	8.0	8.0	2.5	W	Mature	Good	Located within adjacent property, large specimen, good form, good vigour.	A,1,2	11.4	408.3		Long	N
T4	English oak	14.0	1330	1.0	10.0	10.0	13.0	10.0	3.5	E	Mature	Fair	Located in field close to adjacent property boundary and G1, large specimen, major deadwood up to 250mm diameter in canopy, barbed wire ingrown into south side of lower stem, ground around base trampled by cattle.	A,1,2	15.0	707.0	No management works required, a review of works will be required subject to future development proposals.	Long	N
T5	Sycamore	17.0	1050	1.0	10.0	10.0	5.0	7.0	3.5	N	Mature	Poor	Located in field close to adjacent property boundary and G1, previously failed limbs, bark damage from cattle on south-western side of lower stem, major deadwood up to 200mm diameter in canopy, major dieback in upper canopy.	C,2	12.6	498.8	Re-survey in 2 years to monitor progression of decline.	Medium	N
T6	Ash	23.0	1499	2.0	12.0	12.0	8.0	10.0	4.5	N	Mature	Poor	Located in adjacent property, large twin-stem, included stem union, previously failed limbs, epicormic growth throughout canopy, barbed wire ingrown into stem, major dieback in canopy, major deadwood up to 180mm diameter, Inonotus hispidus fungal fruiting body on the east side of the western stem.	C,2	15.0	707.0		Medium	N
T7	Horse chestnut	15.0	850	1.0	5.0	5.0	6.0	5.0	1.5	N	Mature	Good	Located within adjacent property, surveyed from vantage point due to lack of access.	B,2	10.2	326.9		Long	N
T8	Sycamore	15.0	900	1.0	8.0	7.0	8.0	8.0	4.0	NW	Mature	Good	Located within adjacent property, minor dieback in upper canopy on north-west side, trifurcate at 5m, unable to see base due to access and undergrowth.	B,2	10.8	366.4		Long	N
T9	Scots pine	24.0	1000	1.0	4.0	4.0	6.0	4.0	13.0	N	Mature	Good	Located within adjacent property, leans to south-east, directly adjacent to shed, unable to see base due to undergrowth and access.	A,2	12.0	452.4		Long	N

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		(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)		Young, Middle Age, Mature	Good, Fair, Poor, Veteran		A,B,C,U (1,2,3)	(m)	(m2)		Long, Medium, Short	Y/N
T10	English oak	20.0	1000	1.0	5.0	7.0	7.0	6.0	8.0	E	Mature	Good	Located within adjacent property, slight lean to south-east, directly adjacent to shed, suppressed by T9, unable to see base due to undergrowth and access.	A,1,2	12.0	452.4		Long	N
T11	Holly	6.0	197	3.0	1.0	1.0	1.0	1.0	1.0	S	Young to Middle Age	Good	Hedgerow tree.	C,2	2.4	17.6		Long	N
T12	English oak	19.0	1110	1.0	8.0	9.0	6.0	7.0	2.0	NE	Mature	Fair	Within G2, large specimen, adjacent to stream/ditch, some root exposure on north side of stem, 2 pieces of major deadwood on south-western side of canopy up to 150mm diameter, previous limb failures.	A,2	13.3	557.4	No management works required, a review of works will be required subject to future development proposals.	Long	N
T13	English oak	17.0	890	1.0	7.0	9.0	10.0	2.0	2.0	NE	Mature	Fair	Within G2, adjacent to stream/ditch, suppressed to west by T12, previous limb failures, minor deadwood in canopy, good vigour.	B,2	10.7	358.3		Long	N
T14	English oak	16.0	1260	1.0	5.0	10.0	8.0	7.0	1.5	N	Mature	Fair	Located within G2, early veteran characteristics evident, provision of niche habitats within deadwood and wounds, major deadwood up to 280mm diameter particularly on north and north-west sides of canopy, moderate dieback of upper canopy particularly on the north and north-west sides of canopy, remainder of canopy in physiologically good condition, large decaying basal wound on west and north-west side of stem, large cracks running up stem within basal wound, slight lean to east, bark necrosis on north-west and western side of canopy.	B,1,3	15.0	707.0	No management works required, a review of works will be required subject to future development proposals.	Long	N
T15	English oak	13.0	1240	1.0	9.0	10.0	8.0	10.0	4.0	S	Mature	Fair	Located within G2, moderate to major deadwood in canopy up to 200mm diameter, slight burring on north side of stem, exposed roots on north side, leans to north.	A,1,2	14.9	695.6	No management works required, a review of works will be required subject to future development proposals.	Long	N
T16	English oak	12.0	1040	1.0	6.0	6.0	6.0	6.0	4.0	E	Mature	Good	Adjacent to stream/ditch, good form, moderate to major deadwood in canopy up to 180mm diameter, epicormic growth throughout canopy.	A,1,2	12.5	489.3	No management works required, a review of works will be required subject to future development proposals.	Long	N

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		(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)		Young, Middle Age, Mature	Good, Fair, Poor, Veteran		A,B,C,U (1,2,3)	(m)	(m2)		Long, Medium, Short	Y/N
T17	English oak	14.0	1120	1.0	7.0	7.0	7.0	7.0	8.0	N	Mature	Fair	Adjacent to stream/ditch, major deadwood in canopy up to 120mm diameter, major limb with hazard beam on western side of canopy, hazard beam limb hangs low to ground, large previous limb failures on south side of canopy with decay evident in wounds, cavity formed on north side of stem with some occlusion, bat potential.	A,1,2	13.4	567.5	No management works required, a review of works will be required subject to future development proposals.	Long	N
T18	English oak	12.0	1010	1.0	8.0	8.0	9.0	8.0	2.0	E	Mature	Good	Good form, moderate deadwood in canopy up to 80mm diameter, slight burring of stem, good vigour.	A,1,2	12.1	461.5	No management works required, a review of works will be required subject to future development proposals.	Long	N
T19	English oak	15.0	1310	1.0	8.0	10.0	8.0	8.0	3.5	NW	Mature	Fair	Major deadwood up to 280mm diameter, moderate dieback in upper canopy on north-west side, large previously failed limb on south side of canopy with some occlusion around wound, pruning wounds from large limb removals on stem.	B,1,2	15.0	707.0	No management works required, a review of works will be required subject to future development proposals.	Long	N
T20	Hawthorn	5.0	150	1.0	1.0	1.0	1.0	1.0	1.0	N	Middle Age	Good	Hedgerow tree, ivy growing into canopy which may hide additional defects.	C,2	1.8	10.2		Long	N
T21	Ash	18.0	580	2.0	7.0	7.0	6.0	6.0	2.5	N	Mature	Good	Thick undergrowth preventing access to base, minor deadwood, minor dieback in upper canopy on north side.	B,2	7.0	152.2		Long	N
T22	English oak	11.0	1050	1.0	6.0	6.0	6.0	5.0	2.5	S	Mature	Fair	Major deadwood up to 180mm diameter, moderate dieback in canopy, occluded wounds on stem, previous limb failures, ground around base trampled by cattle.	B,1,2	12.6	498.8	No management works required, a review of works will be required subject to future development proposals.	Long	N
T23	English oak	11.0	1010	1.0	8.0	5.0	11.0	4.0	2.5	E	Mature	Fair	Heavily biased to east, moderate dieback in north-west side of upper canopy, major deadwood up to 120mm diameter.	B,1,2	12.1	461.5	No management works required, a review of works will be required subject to future development proposals.	Long	N
T24	English oak	14.0	1440	1.0	8.0	8.0	8.0	8.0	2.5	SE	Mature	Good	Good form, small amount of major deadwood up to 180mm diameter in canopy, ground around base trampled by cattle.	A,1,2	15.0	707.0	No management works required, a review of works will be required subject to future development proposals.	Long	N
T25	English oak	15.0	1070	1.0	7.0	7.0	10.0	6.0	3.0	W	Mature	Fair	Slight lean to south-east, major deadwood up to 180mm diameter, occluding cavities, decaying pruning wound from large limb removal on south side of stem, ground around base trampled by cattle.	B,1,2	12.8	517.9	No management works required, a review of works will be required subject to future development proposals.	Long	N
T26	English oak	12.0	1300	1.0	6.0	6.0	7.0	6.0	2.0	S	Mature	Good	Unable to access base due to fencing/barbed wire/hedge, ivy on stem may hide additional defects, roadside tree, moderate deadwood up to 80mm diameter in canopy.	A,1,2	15.0	707.0	Sever ivy to allow for easier re-survey, remove large deadwood over 60mm diameter from roadside of canopy.	Long	N

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		(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)		Young, Middle Age, Mature	Good, Fair, Poor, Veteran		A,B,C,U (1,2,3)	(m)	(m2)		Long, Medium, Short	Y/N
T27	English oak	13.0	1350	1.0	7.0	5.0	8.0	5.0	4.0	N	Mature	Good	Unable to access base due to fencing/barbed wire/hedge, roadside tree, moderate deadwood up to 80mm diameter in canopy, previous limb failures, bifurcate at 3m.	B,1,2	15.0	707.0	Remove large deadwood over 60mm diameter from roadside of canopy.	Long	N
T28	English oak	11.0	600	1.0	4.0	6.0	6.0	7.0	2.5	N	Mature	Good	Unable to access base due to fencing/barbed wire/hedge, roadside tree, moderate deadwood up to 80mm diameter in canopy, pruning wounds on lower canopy limbs on roadside.	B,2	7.2	162.9	Remove large deadwood over 60mm diameter from roadside of canopy.	Long	N
T29	English oak	8.0	380	1.0	4.0	4.0	3.0	3.0	2.0	N	Middle Age	Good	Unable to access base due to fencing/barbed wire/hedge, roadside tree, thick undergrowth covering base.	C,2	4.6	65.3	No management works required, a review of works will be required subject to future development proposals.	Long	N
T30	English oak	11.0	750	1.0	6.0	6.0	4.0	4.0	1.5	W	Mature	Fair	Unable to access base due to fencing/barbed wire/hedge, roadside tree, thick undergrowth covering base, sparse upper canopy, recent pruning wounds in canopy, previous limb failure on western side of canopy, minor deadwood.	C,2	9.0	254.5	Re-survey in 2 years to monitor progression of decline.	Long	N
T31	English oak	11.0	1000	1.0	8.0	8.0	8.0	8.0	2.5	S	Mature	Good	Unable to access base due to fencing/barbed wire/hedge, good form, ivy on stem may hide additional defects, roadside tree, moderate deadwood up to 80mm diameter in canopy, bifurcate at 3.5m.	A,1,2	12.0	452.4	Sever ivy to allow for easier re-survey, remove large deadwood over 60mm diameter from roadside of canopy.	Long	N
T32	English oak	12.0	1000	1.0	9.0	9.0	9.0	9.0	3.0	W	Mature	Good	Unable to access base due to fencing/barbed wire/hedge, good form, ivy on stem may hide additional defects, roadside tree, bifurcate at 4m.	A,1,2	12.0	452.4	Sever ivy to allow for easier re-survey.	Long	N
T33	Beech	16.0	800	1.0	3.0	8.0	5.0	8.0	6.0	W	Mature	Fair	Previously failed stem on north side, failed limb is hung up in tree within G3, large occluding cavity on south side of stem with decay evident, rubbing limbs, bifurcate at 6m, canopy biased to south and west, ivy on stem may hide additional defects.	C,2	9.6	289.5	Remove large hanger from adjacent tree, sever ivy to allow for easier re-survey, re-survey in 3 years to monitor condition.	Long	N
T34	English oak	12.0	1000	1.0	9.0	8.0	8.0	8.0	4.0	N	Mature	Good	Located within G4, thick undergrowth around base of tree, good form, large limb removed on south-eastern side of stem, pruning wounds in lower canopy.	A,1,2	12.0	452.4		Long	N
T35	Crack willow	17.0	450	1.0	10.0	4.0	5.0	5.0	9.0	NW	Mature	Good	Located within G4, heavily leans to north-west over grass area, no signs of deadwood, dieback or failure currently.	B,2	5.4	91.6	No management works required, a review of works will be required subject to future development proposals.	Long	N
T36	Red horse chestnut	14.0	450	1.0	4.0	4.0	5.0	4.0	3.5	SE	Middle Age	Good	Located within G4, bud proliferation on north-east side of south-eastern limb at branch union and on limb itself, limb extends over path.	B,2	5.4	91.6	No management works required, a review of works will be required subject to future development proposals.	Long	N

# APPENDIX D: Arboricultural Survey Data Sheets

Ref	Species	Height	Stem Dia.	No. of stems/ individuals	Crown Spread North	Crown Spread South	Crown Spread East	Crown Spread West	Height of Lowest Branch	Direction of Lowest Branch	Maturity	Condition	Comments on form, condition, health and significant defects	BS5837 Tree Quality Assess.	Radius of RPA guide circle	BS5837 RPA Area	Management Recommendations	Estimated Remaining Contribution	TPO
		(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)		Young, Middle Age, Mature	Good, Fair, Poor, Veteran		A,B,C,U (1,2,3)	(m)	(m2)		Long, Medium, Short	Y/N
T37	Red horse chestnut	12.0	450	1.0	0.0	5.0	5.0	3.0	3.0	W	Middle Age	Fair	Located within G4, previously suppressed by trees to south, suppressing trees have now been felled, canopy heavily biased to east and south, bud proliferation on main stem on north, east and west sides and on limbs.	C,2	5.4	91.6	No management works required, a review of works will be required subject to future development proposals.	Medium	N
T38	English oak	9.0	400	1.0	3.0	4.0	4.0	5.0	2.0	S	Middle Age	Poor	In waterlogged area, bark necrosis on stem, major dieback in canopy, major deadwood up to 150mm diameter.	C,2	4.8	72.4	No management works required, a review of works will be required subject to future development proposals.	Medium	N
T39	Sycamore	14.0	600	1.0	5.0	5.0	5.0	4.0	3.5	S	Mature	Good	Roadside tree, thick undergrowth surrounding base, occluding wounds, ivy on stem may hide additional defects.	B,2	7.2	162.9	Sever ivy to allow for easier re-survey.	Long	N
T40	Sycamore	15.0	1000	1.0	6.0	7.0	6.0	6.0	5.0	SW	Mature	Good	Thick undergrowth surrounding base, roadside tree, ivy on stem may hide additional defects, occluding wounds on stem, barbed wire fence ingrown into stem, major deadwood in canopy up to 120mm diameter.	B,2	12.0	452.4	Sever ivy to allow for easier re-survey, remove large deadwood over 60mm diameter from roadside of canopy.	Long	N
T41	Sycamore	10.0	760	1.0	5.0	1.0	5.0	6.0	4.0	S	Middle Age	Fair	Close to power lines, canopy biased to north and north-west, occluding cavities, sparse canopy, barbed wire ingrown into stem.	C,2	9.1	261.3	No management works required, a review of works will be required subject to future development proposals.	Medium	N
T42	English oak	12.0	1020	1.0	5.0	8.0	6.0	5.0	4.5	N	Mature	Fair	Bifurcate at 4m, previously failed limbs, moderate deadwood in canopy up to 80mm diameter, barbed wire ingrown into stem, large limb failing on west side of stem in the centre of the canopy, failing limb is 250mm diameter.	B,1,2	12.2	470.7	No management works required, a review of works will be required subject to future development proposals.	Long	N
T43	English oak	15.0	1090	1.0	6.0	9.0	8.0	11.0	2.5	E	Mature	Fair	Major deadwood in canopy up to 150mm diameter, minor dieback in upper canopy, basal wound on south-eastern side of stem with decay evident, gate hinge ingrowing into wound, barbed wire ingrown into stem.	B,1,2	13.1	537.5	No management works required, a review of works will be required subject to future development proposals.	Long	N
T44	English oak	10.0	930	1.0	4.0	4.0	3.0	3.0	2.5	SE	Mature	Poor	Major deadwood up to 150mm diameter, major dieback of upper canopy, previously failed limbs, burring of stem.	C,2	11.2	391.3	No management works required, a review of works will be required subject to future development proposals.	Medium	N
T45	English oak	15.0	1240	1.0	9.0	9.0	5.0	7.0	2.5	S	Mature	Good	Large previously failed limbs, large failing dead limb hung up on west side of canopy.	B,1,2	14.9	695.6	No management works required, a review of works will be required subject to future development proposals.	Long	N
T46	English oak	15.0	1160	1.0	8.0	10.0	8.0	10.0	2.0	SW	Mature	Fair	Major dieback in canopy, major deadwood in canopy up to 150mm diameter, sparse canopy.	B,1,2	13.9	608.7	No management works required, a review of works will be required subject to future development proposals.	Long	N

# **APPENDIX D: Arboricultural Survey Data Sheets**

Ref	Species	Height	Stem Dia.	No. of stems/ individuals	Crown Spread North	Crown Spread South	Crown Spread East	Crown Spread West	Height of Lowest Branch	Direction of Lowest Branch	Maturity	Condition	Comments on form, condition, health and significant defects	BS5837 Tree Quality Assess.	Radius of RPA guide circle	BS5837 RPA Area	Management Recommendations	Estimated Remaining Contribution	TPO
		(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)		Young, Middle Age, Mature	Good, Fair, Poor, Veteran		A,B,C,U (1,2,3)	(m)	(m2)		Long, Medium, Short	Y/N
T47	English oak	10.0	1010	1.0	5.0	5.0	5.0	4.0	2.5	S	Mature	Fair	Previously failed limbs with decay evident in wounds, occluding wounds on stem, stem bulging, major deadwood up to 150mm diameter in canopy.	B,1,2	12.1	461.5	No management works required, a review of works will be required subject to future development proposals.	Long	N
T48	English oak	14.0	1160	1.0	8.0	8.0	7.0	8.0	2.5	W	Mature	Good	Large occluding basal wound on south side stem with some decay evident, smaller basal wound with decay evident on south-western side of stem, occluding wounds on stem, major deadwood in canopy up to 150mm diameter.	B,1,2	13.9	608.7	No management works required, a review of works will be required subject to future development proposals.	Long	N
T49	English oak	14.0	1450	1.0	9.0	10.0	10.0	10.0	4.0	E	Mature	Good	Major deadwood up to 200mm diameter in canopy, minor dieback on east side of canopy, occluding wounds, multi-stem at 5m, good form.	A,1,2	15.0	707.0	No management works required, a review of works will be required subject to future development proposals.	Long	N
T50	English oak	12.0	1380	1.0	8.0	8.0	7.0	8.0	4.0	W	Mature	Fair	Located within waterlogged area, leans to east, previously failed limbs, bifurcate at 3m, moderate dieback in canopy, major deadwood up to 200mm diameter.	B,1,2	15.0	707.0	No management works required, a review of works will be required subject to future development proposals.	Long	N
T51	English oak	15.0	1470	1.0	7.0	8.0	9.0	7.0	4.0	W	Mature	Fair	Large decaying wound from previous limb failure on west side stem, previously failed limbs, ground around base trampled by cattle, good form.	A,1,2	15.0	707.0	No management works required, a review of works will be required subject to future development proposals.	Long	N
T52	English oak	10.0	550	1.0	4.0	3.0	3.0	3.0	3.0	N	Middle Age	Fair	Located within G11, minor dieback in canopy, moderate deadwood up to 70mm diameter, suppressed by trees in G11.	B,2	6.6	136.8	No management works required, a review of works will be required subject to future development proposals.	Long	N
T53	Sycamore	6.0	400	1.0	2.0	2.0	2.0	2.0	2.5	W	Middle Age	Poor	Stem has previously failed and collapsed, half of stem remains standing with regeneration growth sprouting from remnants of stem.	U	0.0	0.0	No management works required, a review of works will be required subject to future development proposals.	Short	N
T54	English oak	13.0	730	1.0	5.0	5.0	6.0	5.0	2.5	W	Mature	Fair	Moderate deadwood up to 80mm diameter in canopy, moderate dieback in upper canopy on south-eastern side, occluding wounds on stem, good form.	B,1,2	8.8	241.1	No management works required, a review of works will be required subject to future development proposals.	Long	N
T55	English oak	13.0	780	1.0	6.0	6.0	6.0	6.0	3.0	S	Mature	Good	Moderate deadwood up to 70mm diameter in canopy, previous limb failures with regrowth in canopy, good form.	B,1,2	9.4	275.2	No management works required, a review of works will be required subject to future development proposals.	Long	N
T56	English oak	13.0	600	1.0	5.0	5.0	5.0	5.0	3.0	E	Mature	Good	Located with H1, unable to access base due to surrounding hedge, roadside tree, ivy on stem may hide additional defects, close to telephone pole and wires.	B,2	7.2	162.9	Sever ivy to allow for easier re-survey.	Long	N



# APPENDIX D: Arboricultural Survey Data Sheets

Ref	Species	Height	Stem Dia.	No. of stems/ individuals	Crown Spread North	Crown Spread South	Crown Spread East	Crown Spread West	Height of Lowest Branch	Direction of Lowest Branch	Maturity	Condition	Comments on form, condition, health and significant defects	BS5837 Tree Quality Assess.	Radius of RPA guide circle	BS5837 RPA Area	Management Recommendations	Estimated Remaining Contribution	TPO
		(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)		Young, Middle Age, Mature	Good, Fair, Poor, Veteran		A,B,C,U (1,2,3)	(m)	(m2)		Long, Medium, Short	Y/N
T57	English oak	8.0	350	1.0	5.0	4.0	3.0	3.0	2.5	SE	Middle Age	Fair	Located with H1, unable to access base due to surrounding hedge, roadside tree, ivy on stem may hide additional defects, previous limb failure on northern side leaving a gap in the canopy, moderate deadwood up to 80mm diameter.	C,2	4.2	55.4	Sever ivy to allow for easier re-survey, remove large deadwood over 60mm diameter from roadside of canopy.	Long	N
T58	English oak	10.0	800	1.0	4.0	4.0	5.0	5.0	2.5	E	Mature	Poor	Located with H1, unable to access base due to surrounding hedge, roadside tree, moderate deadwood up to 70mm diameter in canopy.	B,2	9.6	289.5	Remove large deadwood over 60mm diameter from roadside of canopy.	Long	N
T59	English oak	9.0	650	1.0	6.0	5.0	4.0	4.0	4.0	N	Middle Age to Mature	Good	Located with H1, unable to access base due to surrounding hedge, roadside tree, sparse canopy, recently pruned with deadwood and large limbs removed.	C,2	7.8	191.1	Re-survey in 2 years to monitor progression of decline.	Medium	N
<b>Groups</b>																			
G1	Wild cherry, Hawthorn, Sycamore, Elder, Whitebeam, Scots pine, Wych elm, Common lime	14.0	200-400	N/A							Middle Age to Mature	Good	Located within adjacent property, mixed species group, understory of bramble.	B,2	Refer to Drawing	n/a	No management works required, a review of works will be required subject to future development proposals.	Long	N
G2	Elder, Hawthorn, Holly, Sycamore, Silver birch, Ash, English oak	16.0	150-400	N/A							Middle Age	Good	Mixed species group with several individuals within, thick bramble understory, some standing dead stems in group, adjacent to stream/ditch.	B,2	Refer to Drawing	n/a	No management works required, a review of works will be required subject to future development proposals.	Long	N
G3	English oak, Sycamore, Silver birch, Hazel, Ash, Scots pine, Horse chestnut, Crack willow, Beech	16.0	150-400	N/A							Middle Age to Mature	Good	Roadside group that runs into the adjacent property (Warren Hall), screening group, on bund sloping to south away from road.	B,2	Refer to Drawing	n/a	Thin by 15%.	Long	N
G4	Ash, Elder, Alder, Crack willow, Hazel, Sycamore, Laurel, Beech, Goat willow, English oak, Horse chesnut, Blue atlas cedar	15.0	150-500	N/A							Middle Age to Mature	Fair	Area surrounding pond to south of Warren Hall, area is fenced off to public, unable to access area due to access restriction, some felling has taken place within group, stems and debris remain on floor within group, some trees in group leaning to east over path.	B,2	Refer to Drawing	n/a	No management works required, a review of works will be required subject to future development proposals.	Long	N
G5	Crack willow	16.0	200-400	10.0							Middle Age to Mature	Good	2 multi-stem trees located within G4, tree to west has low hanging limb touching ground, both trees lean heavily to south over fence, ivy on stems may hide additional defects, pruning wounds on lower stems, moderate deadwood up to 70mm diameter in canopies.	C,2	Refer to Drawing	n/a	No management works required, a review of works will be required subject to future development proposals.	Long	N

**APPENDIX D: Arboricultural Survey Data Sheets**

Ref	Species	Height	Stem Dia.	No. of stems/ individuals	Crown Spread North	Crown Spread South	Crown Spread East	Crown Spread West	Height of Lowest Branch	Direction of Lowest Branch	Maturity	Condition	Comments on form, condition, health and significant defects	BS5837 Tree Quality Assess.	Radius of RPA guide circle	BS5837 RPA Area	Management Recommendations	Estimated Remaining Contribution	TPO
		(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)		Young, Middle Age, Mature	Good, Fair, Poor, Veteran		A,B,C,U (1,2,3)	(m)	(m2)		Long, Medium, Short	Y/N
G6	Goat willow, Crack willow, Larch, Silver birch, English oak, Hawthorn, Black locust	17.0	200-600	N/A							Mature	Good	Within adjacent property, fenced off area, some standing dead stems within group, some fallen trees within group, group in generally good condition.	B,2	Refer to Drawing	n/a		Long	N
G7	Crack willow	19.0	300-600	7.0							Middle Age to Mature	Good	Located within G4, ivy on some stems may hide additional defects, multi-stems in group.	B,2	Refer to Drawing	n/a	No management works required, a review of works will be required subject to future development proposals.	Long	N
G8	Hawthorn, Sycamore, Holly	6.0	100-120	N/A							Middle Age	Good	Lapsed roadside hedge.	C,2	Refer to Drawing	n/a		Long	N
G9	Sycamore, English oak	15.0	940, 1010	2.0							Mature	Good	Barbed wire ingrowing into stems in places, Sycamore bifurcate at 3.5m, Oak bifurcate at 4m, occluding wounds on stems, major deadwood in canopies up to 150mm diameter.	A,1,2	Refer to Drawing	n/a	No management works required, a review of works will be required subject to future development proposals.	Long	N
G10	English oak	15.0	1310, 950	2.0							Mature	Good	Major deadwood in canopies up to 150mm diameter, previously failed limbs, eastern tree has burred stem.	A,1,2	Refer to Drawing	n/a	No management works required, a review of works will be required subject to future development proposals.	Long	N
G11	English oak	15.0	1020, 900, 910	3.0							Mature	Good	Western tree has failing limb hung up in south side of canopy, major deadwood up to 150mm diameter in canopies, barbed wire ingrowing into stems.	A,1,2	Refer to Drawing	n/a	No management works required, a review of works will be required subject to future development proposals.	Long	N
G12	Beech	22.0	1000, 1100, 1100	3.0							Mature	Good	Located within W1, close to power lines that run through woodland area, previously failed limbs in canopies.	A,1,2	Refer to Drawing	n/a		Long	N
G13	Ash, Sycamore, English oak, Wych elm, Scots pine, Hawthorn, Holly, Common lime, Elder, Wild cherry	16.0	150-400	N/A							Middle Age to Mature	Good	Roadside group, understory of Hawthorn and Holly throughout, some standing dead trees to west of group, unable to access bases due to undergrowth.	B,2	Refer to Drawing	n/a	Fell standing dead trees in group, thin by 15%.	Long	N

**Hedges**

H1	Hawthorn, Ash	1.0	75-100	N/A							Mature	Good	Managed hedge.		Refer to Drawing	n/a		Long	N
H2	Hawthorn	2.5	75-100	N/A							Mature	Good	Field boundary hedge.		Refer to Drawing	n/a		Long	N
H3	Hawthorn, Sycamore	2.0	75-100	N/A							Mature	Good	Managed roadside hedge.		Refer to Drawing	n/a		Long	N
H4	Hawthorn	2.0	75-100	N/A							Mature	Good	Managed hedge.		Refer to Drawing	n/a		Long	N
H5	Hawthorn, Elder	2.0	75-100	N/A							Mature	Good	Managed hedge.		Refer to Drawing	n/a		Long	N
H6	Hawthorn	3.0	100-120	N/A							Mature	Good	Managed roadside hedge.		Refer to Drawing	n/a		Long	N
H7	Elder, Hawthorn	3.0	75-100	N/A							Mature	Good	Managed hedge.		Refer to Drawing	n/a		Long	N
H8	Hawthorn	3.0	75-100	N/A							Mature	Good	Boundary hedge.		Refer to Drawing	n/a		Long	N

**Woods**

# **APPENDIX D: Arboricultural Survey Data Sheets**

Ref	Species	Height	Stem Dia.	No. of stems/ individuals	Crown Spread North	Crown Spread South	Crown Spread East	Crown Spread West	Height of Lowest Branch	Direction of Lowest Branch	Maturity	Condition	Comments on form, condition, health and significant defects	BS5837 Tree Quality Assess.	Radius of RPA guide circle	BS5837 RPA Area	Management Recommendations	Estimated Remaining Contribution	TPO
		(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)		Young, Middle Age, Mature	Good, Fair, Poor, Veteran		A,B,C,U (1,2,3)	(m)	(m2)		Long, Medium, Short	Y/N
W1	Ash, Holly, Sycamore, English oak, European black pine, Hybrid black poplar, Red horse chestnut, Scots pine, Hawthorn, Larch, Lombardy poplar, Wild cherry, Elm	25.0	250-650	N/A							Mature	Good	Some standing dead trees within woodland, woodland in generally good condition, moderate deadwood within canopies, thick understory of mixed flora and tree species.	B,2	Refer to Drawing	n/a	No management works required, a review of works will be required subject to future development proposals.	Long	N
W2	Goat willow, Sycamore, Larch, Wych elm, Scots pine, English oak, Ash, Silver birch, Hawthorn	21.0	250-700	N/A							Middle Age to Mature	Fair	The majority of this area is fenced off, but some areas of fencing have been damaged previously, some standing dead trees in area, some fallen trees in woodland, understory of hawthorn throughout, some larch trees in group heavily leaning.	B,2	Refer to Drawing	n/a	No management works required, a review of works will be required subject to future development proposals.	Long	N

Warren Hall, Flint

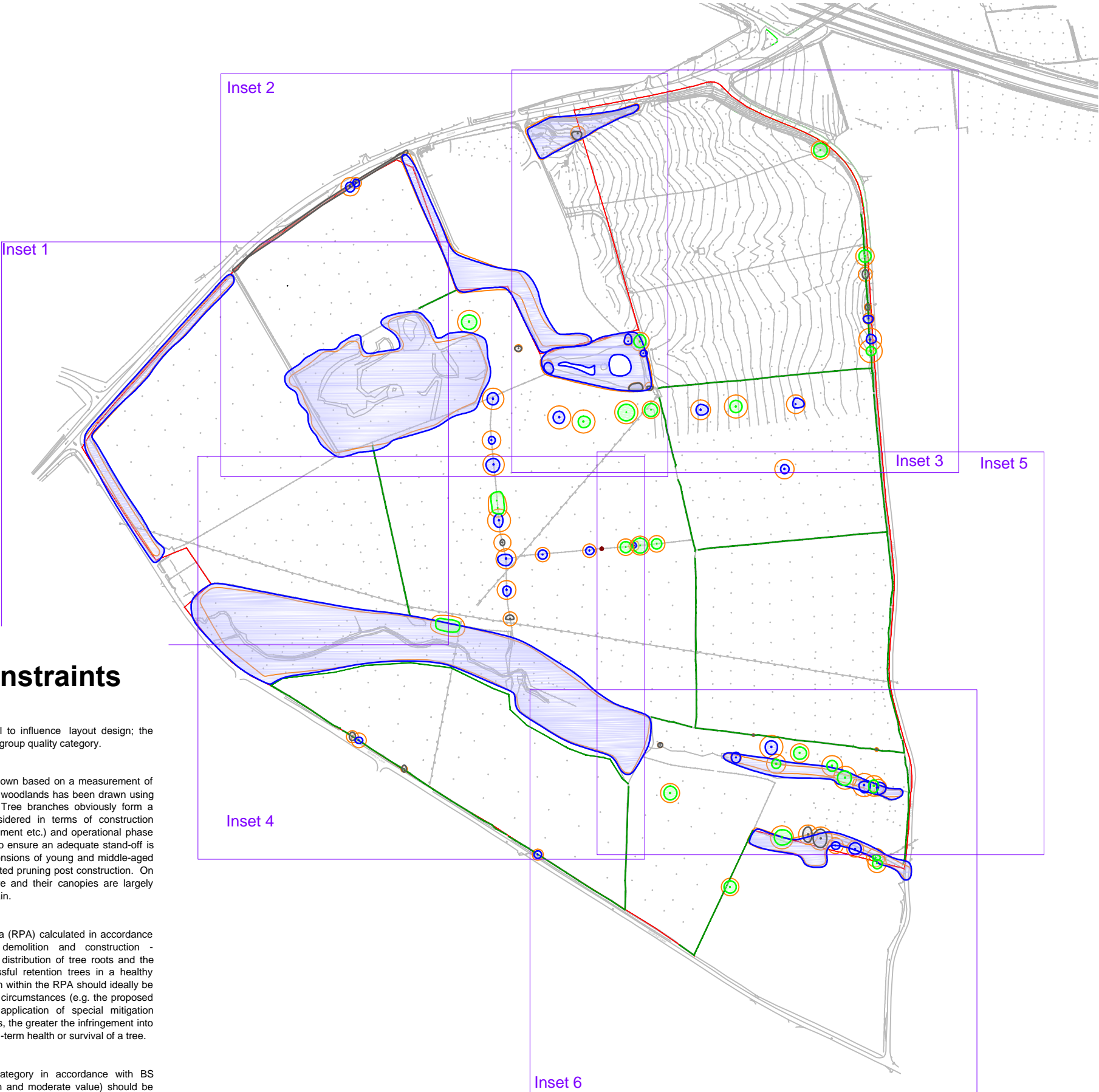
# Arboricultural Constraints

This drawing shows three things with the potential to influence layout design; the canopy spread; Root Protection Areas; and a tree or group quality category.

**Canopy Spread**  
The existing canopy spread of individual trees is shown based on a measurement of the four cardinal points. The canopy of groups and woodlands has been drawn using aerial photography and topographical information. Tree branches obviously form a physical constraint and one which must be considered in terms of construction (buildable space, scaffold erection, contractor movement etc.) and operational phase (shade casting, encroachment, fear of failure etc.) to ensure an adequate stand-off is provided. The projected increase in the crown dimensions of young and middle-aged trees should be factored in to avoid excess or repeated pruning post construction. On this site a large proportion of the trees are mature and their canopies are largely representative of the maximum size the trees will attain.

**Root Protection Area**  
The orange circles represent a Root Protection Area (RPA) calculated in accordance with BS 5837 Trees in relation to design, demolition and construction - Recommendations. It is an estimation of the likely distribution of tree roots and the minimum area required in order to ensure successful retention trees in a healthy condition. This is a design tool, whereby construction within the RPA should ideally be avoided but may be acceptable based on individual circumstances (e.g. the proposed activity, tree species, condition etc.) or by the application of special mitigation construction that minimises impacts. In general terms, the greater the infringement into the RPA the less certainty can be given over the long-term health or survival of a tree.

**Tree Quality Category**  
The colour of the trees denotes their quality category in accordance with BS 5837:2012. Green and blue trees and groups (high and moderate value) should be given greatest priority for retention, although this should be an aspiration and is rarely a strict requirement. The removal of such trees should be based on sound design rationale, the detail of which will be incorporated into the assessment of impact and the provision of appropriate mitigation. High and moderate value trees are often irreplaceable in the short to medium term due to their age or large stature. Grey and red trees are of lower value, due to either their young age or impaired condition, such that their removal should be prioritised over that of higher value trees. It is often much easier to mitigate the loss of these trees by either replanting a tree of similar stature or with tree of better quality and long-term prospects.



**KEY**  
*[This drawing must be reproduced in colour]*

- Individual trees
- Groups of trees and woodland
- Hedgerow
- Root Protection Area (RPA)
- Survey Boundary
- # Approximate location  
(Feature not shown on topo)

**Tree Quality Categorisation**  
(Based on BS 5837:2012 Trees in relation to design, demolition and construction - Recommendations)

- Category A (High quality)
- Category B (Moderate quality)
- Category C (Low quality)
- Category U (Unsuitable for retention)
- Hedgerow (Not categorised)

NOTE: This drawing should be read in conjunction with the respective Arboricultural Survey Data (Appendix A).



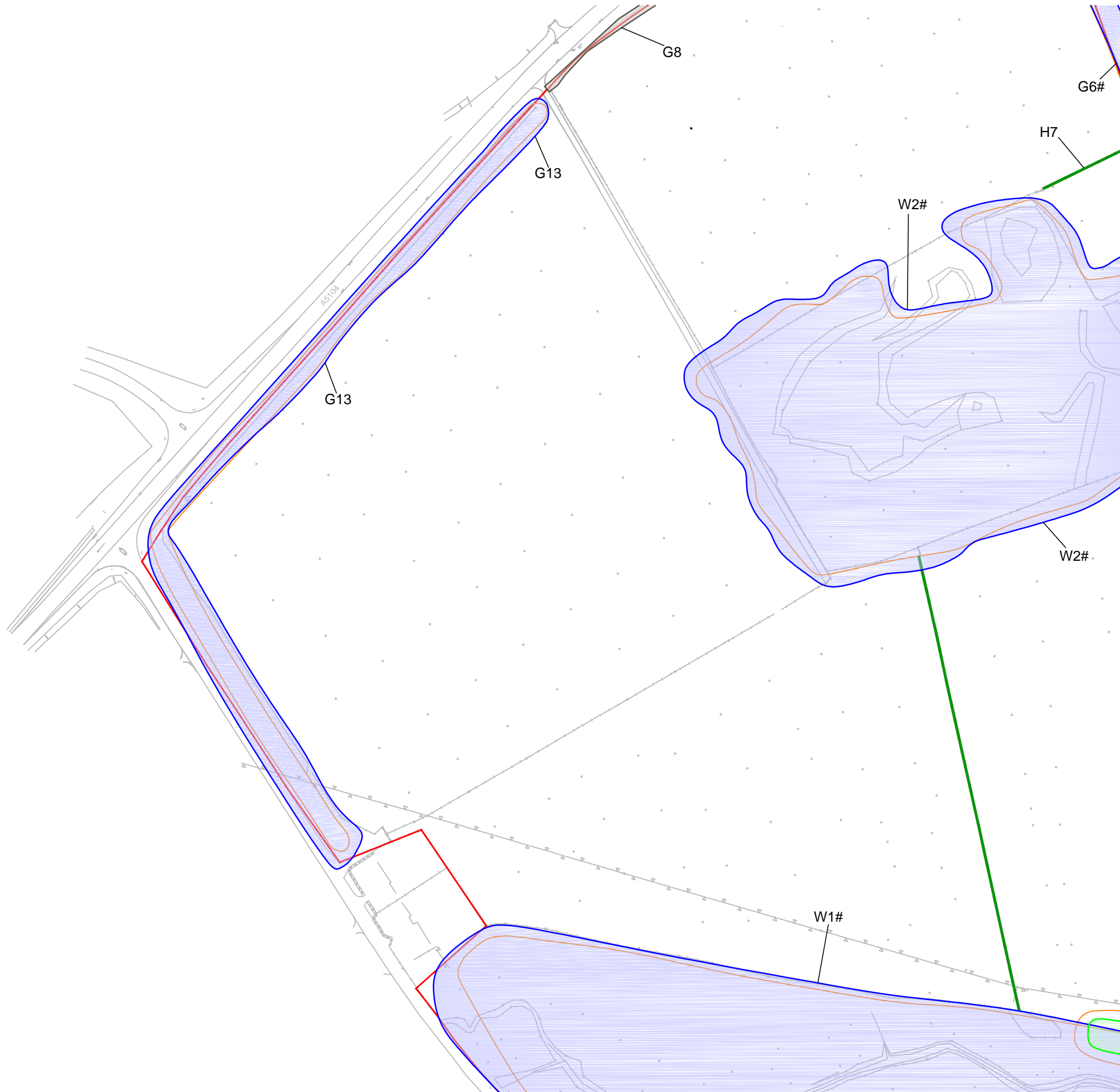
Rev	Description	Drawn	Approved	Date
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**THE ENVIRONMENT PARTNERSHIP**  
Genesis Centre, Birchwood Science Park, Warrington WA3 7BH  
Tel 01925 844004 e-mail tep@tep.uk.com www.tep.uk.com

Project  
**Warren Hall, Flintshire**  
**Tree Constraints Plans**  
Title  
**Tree Constraints Plan Overview [EXISTING]**

Drawing Number <b>D7016.001</b>		Drawn <b>HEE</b>	Checked <b>RMG</b>	Approved <b>JGS</b>	Scale <b>1:6000 @ A3</b>	Date <b>25/06/2018</b>
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## KEY

[This drawing must be reproduced in colour]

- T1 Individual trees
- G1 Groups of trees
- W1 Woodland
- H1 Hedgerow
- Root Protection Area (RPA)
- Survey Boundary
- # Approximate location  
(Feature not shown on topo)

### Tree Quality Categorisation

(Based on BS 5837:2012 Trees in relation to design, demolition and construction - Recommendations)

- Category A  
(High quality)
- Category B  
(Moderate quality)
- Category C  
(Low quality)
- Category U  
(Unsuitable for retention)
- Hedgerow  
(Not categorised)

NOTE: This drawing should be read in conjunction with the respective Arboricultural Survey Data (Appendix A).



Rev	Description	Drawn	Approved	Date
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**THE ENVIRONMENT PARTNERSHIP**

Genesis Centre, Birchwood Science Park, Warrington WA3 7BH  
Tel 01925 844004 e-mail [tep@tep.uk.com](mailto:tep@tep.uk.com) [www.tep.uk.com](http://www.tep.uk.com)

Project

**Warren Hall, Flint  
Tree Constraints Plans**

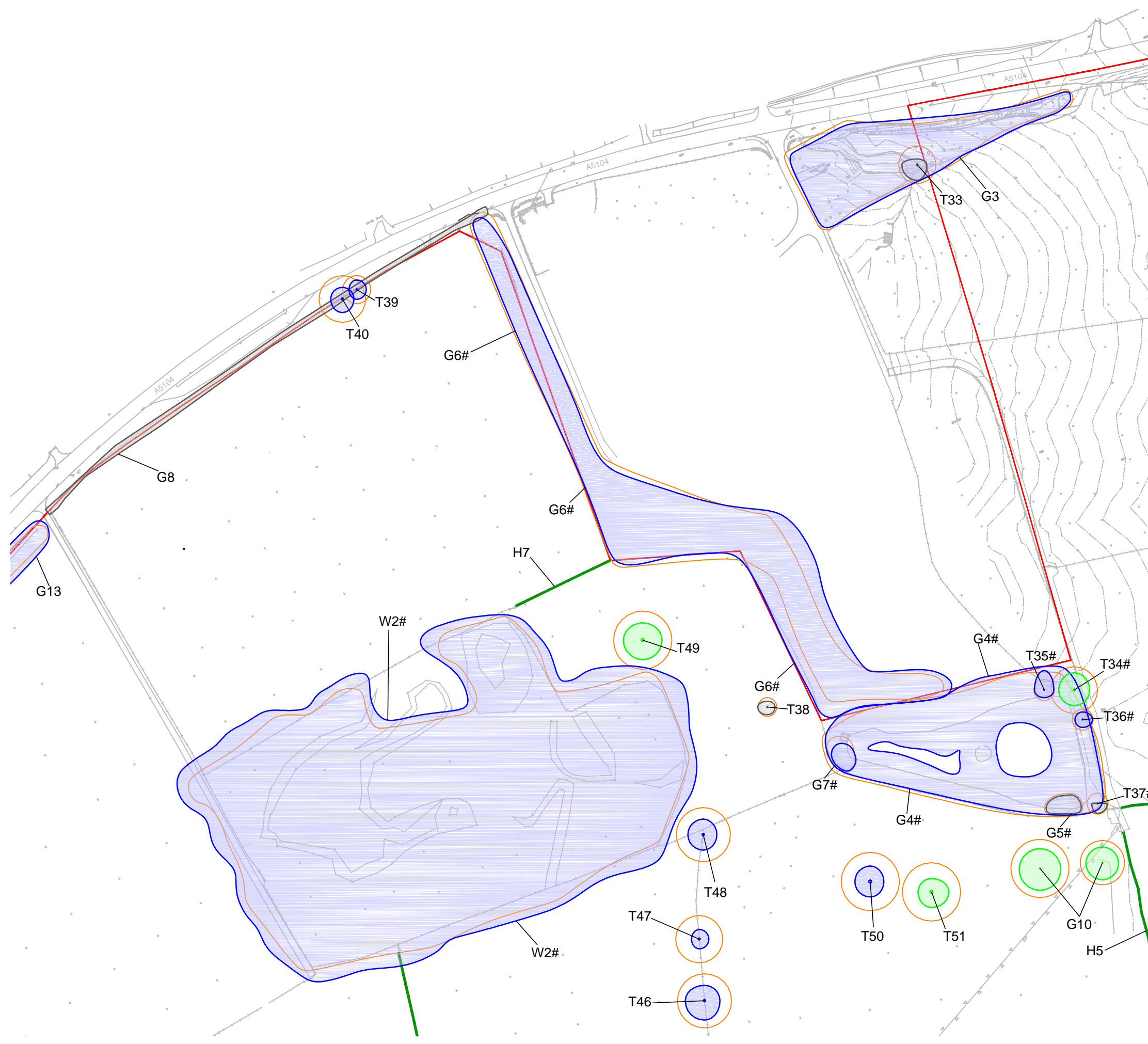
Title

**Tree Constraints Plan Inset 1 [EXISTING]**

Drawing Number

**D7016.002**

Drawn	Checked	Approved	Scale	Date
HEE	RMG	JGS	1:2000 @ A3	25/06/2018



# KEY

[This drawing must be reproduced in colour]

- T1 Individual trees
- G1 Groups of trees
- W1 Woodland
- H1 Hedgerow
- Root Protection Area (RPA)
- Survey Boundary
- # Approximate location  
(Feature not shown on topo)

## Tree Quality Categorisation

(Based on BS 5837:2012 Trees in relation to design, demolition and construction - Recommendations)

- Category A  
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Rev	Description	Drawn	Approved	Date
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Tel 01925 844004 e-mail tep@tep.uk.com www.tep.uk.com

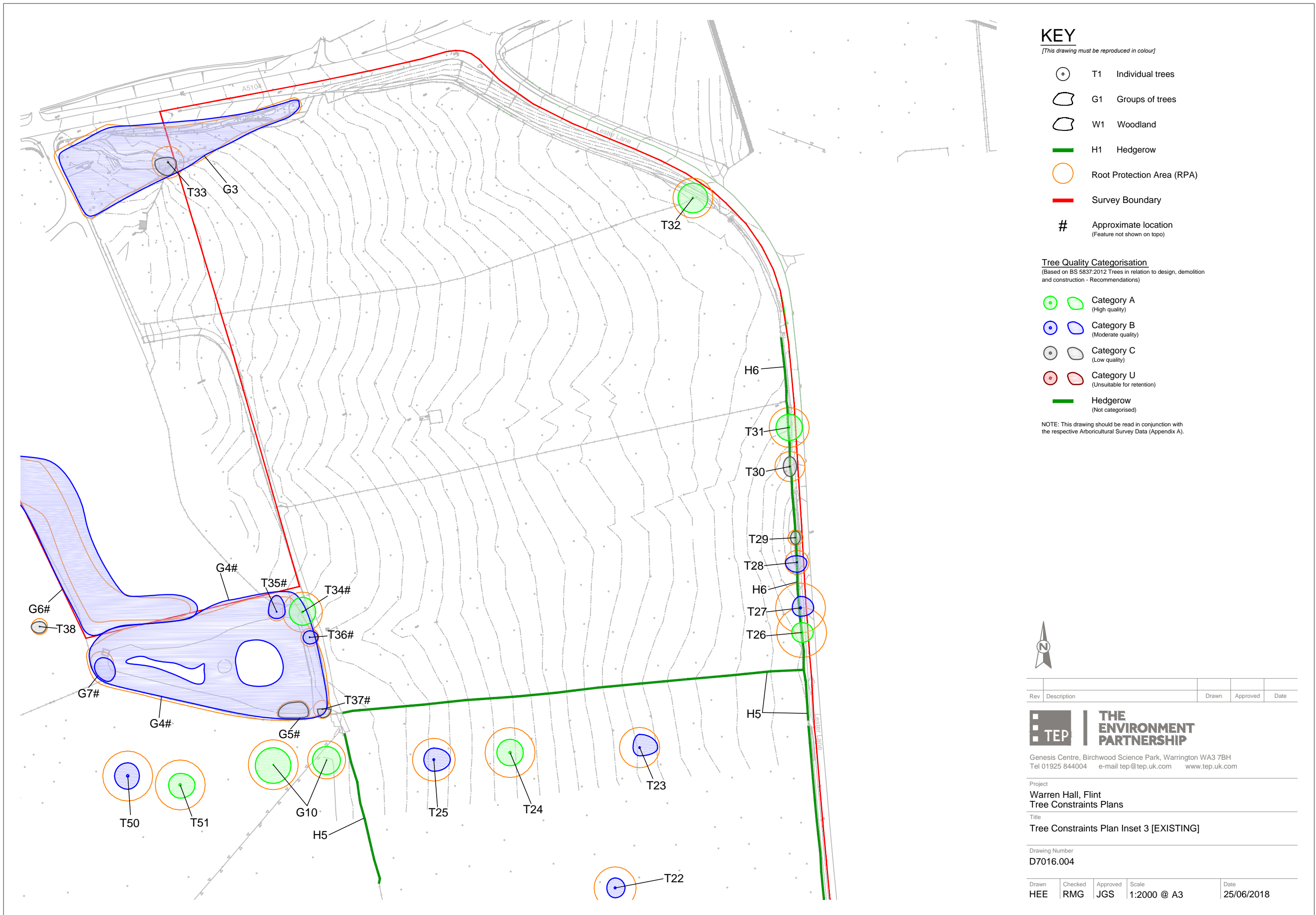
Project  
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Tree Constraints Plans

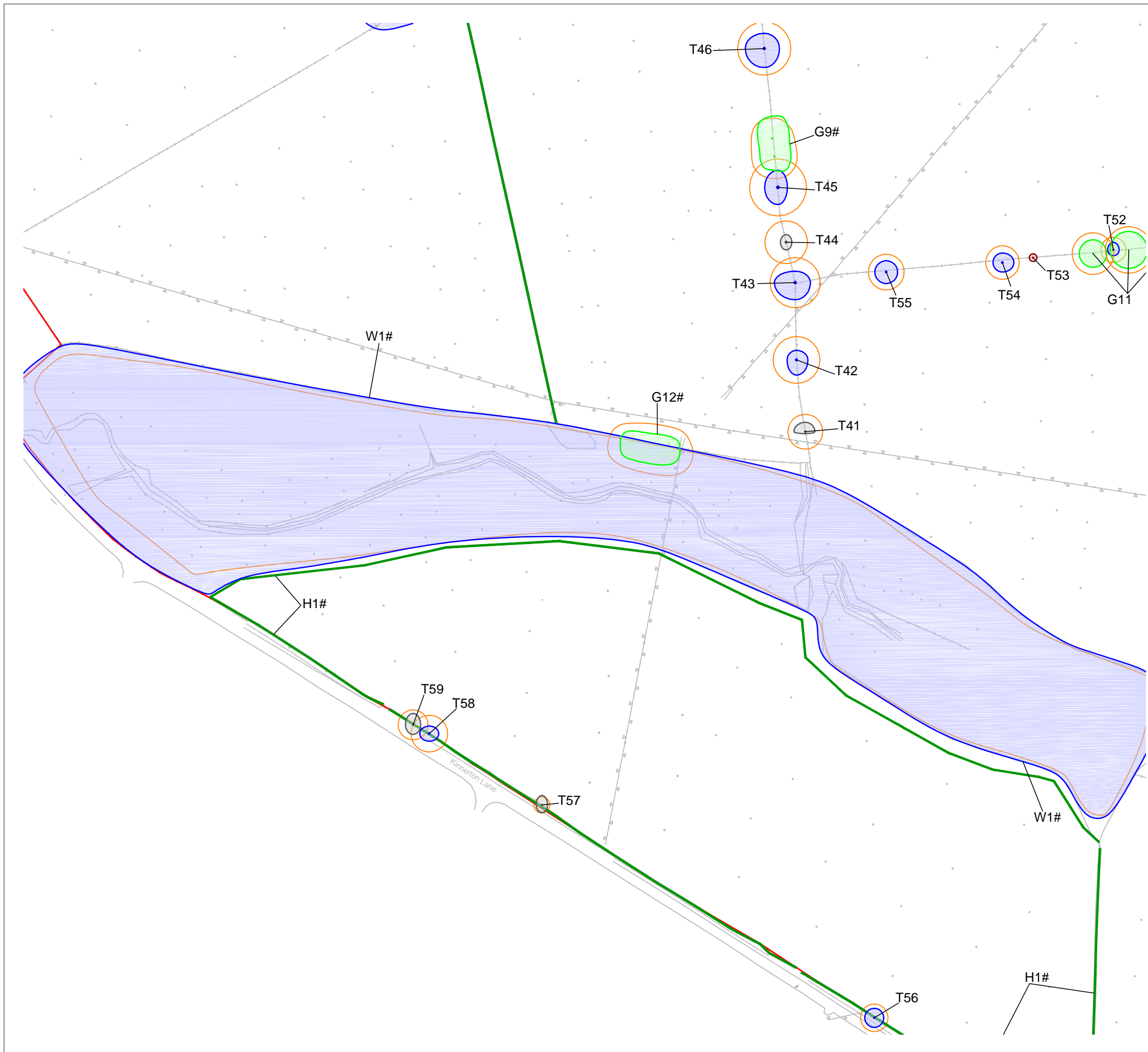
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Tree Constraints Plan Inset 2 [EXISTING]

Drawing Number  
D7016.003

Drawn	Checked	Approved	Scale	Date
HEE	RMG	JGS	1:2000 @ A3	25/06/2018







**KEY**  
*[This drawing must be reproduced in colour]*

- T1 Individual trees
- G1 Groups of trees
- W1 Woodland
- H1 Hedgerow
- Root Protection Area (RPA)
- Survey Boundary
- # Approximate location  
(Feature not shown on topo)

**Tree Quality Categorisation**  
*(Based on BS 5837:2012 Trees in relation to design, demolition and construction - Recommendations)*

- Category A  
(High quality)
- Category B  
(Moderate quality)
- Category C  
(Low quality)
- Category U  
(Unsuitable for retention)
- Hedgerow  
(Not categorised)

NOTE: This drawing should be read in conjunction with the respective Arboricultural Survey Data (Appendix A).



Rev	Description	Drawn	Approved	Date
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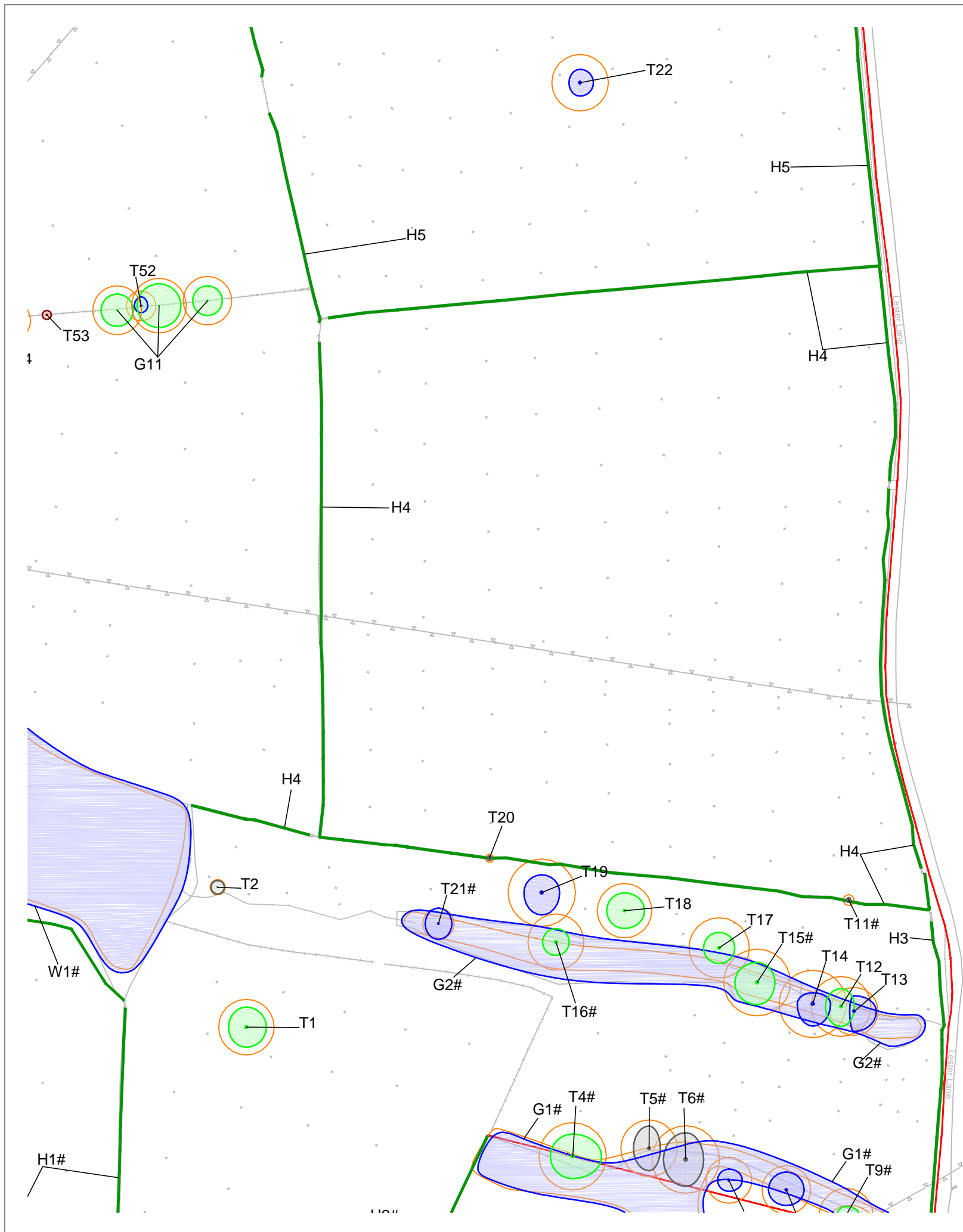
Genesis Centre, Birchwood Science Park, Warrington WA3 7BH  
Tel 01925 844004 e-mail [tep@tep.uk.com](mailto:tep@tep.uk.com) [www.tep.uk.com](http://www.tep.uk.com)

Project  
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**Tree Constraints Plans**  
Title  
**Tree Constraints Plan Inset 4 [EXISTING]**

Drawing Number  
**D7016.005**

Drawn	Checked	Approved	Scale	Date
HEE	RMG	JGS	1:2000 @ A3	25/06/2018





## KEY

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- T1 Individual trees
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- W1 Woodland
- H1 Hedgerow
- Root Protection Area (RPA)
- Survey Boundary
- # Approximate location  
(Feature not shown on topo)

### Tree Quality Categorisation

(Based on BS 5837:2012 Trees in relation to design, demolition and construction - Recommendations)

- Category A  
(High quality)
- Category B  
(Moderate quality)
- Category C  
(Low quality)
- Category U  
(Unsuitable for retention)
- Hedgerow  
(Not categorised)

NOTE: This drawing should be read in conjunction with the respective Arboricultural Survey Data (Appendix A).



Rev	Description	Drawn	Approved	Date
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Genesis Centre, Birchwood Science Park, Warrington WA3 7BH  
Tel 01925 844004 e-mail tep@tep.uk.com www.tep.uk.com

Project

Warren Hall, Flint  
Tree Constraints Plans

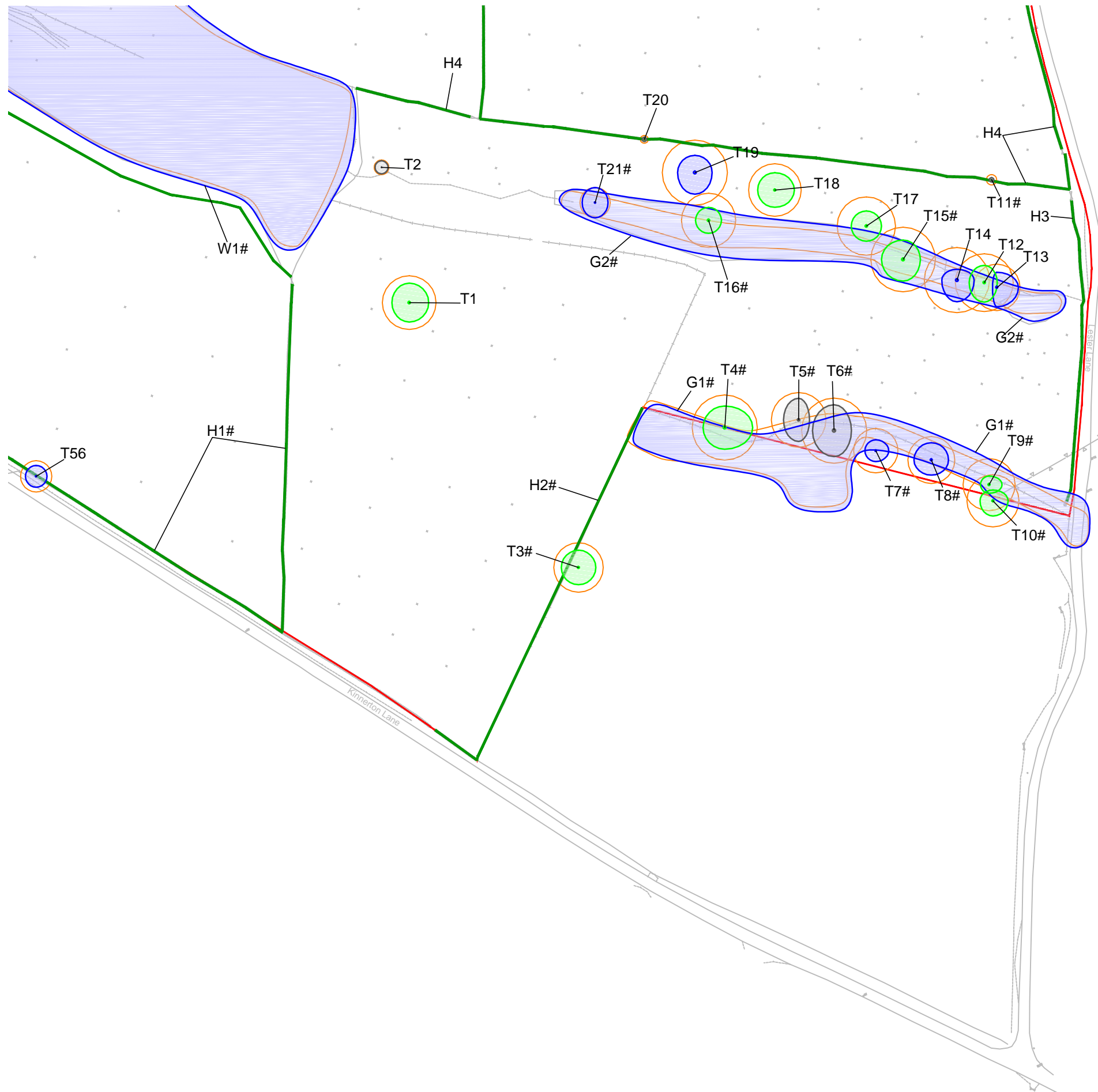
Title

Tree Constraints Plan Inset 5 [EXISTING]

Drawing Number

D7016.006

Drawn	Checked	Approved	Scale	Date
HEE	RMG	JGS	1:2000 @ A3	25/06/2018



## KEY

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- T1 Individual trees
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- W1 Woodland
- H1 Hedgerow
- Root Protection Area (RPA)
- Survey Boundary
- # Approximate location  
(Feature not shown on topo)

### Tree Quality Categorisation

(Based on BS 5837:2012 Trees in relation to design, demolition and construction - Recommendations)

- Category A  
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(Moderate quality)
- Category C  
(Low quality)
- Category U  
(Unsuitable for retention)
- Hedgerow  
(Not categorised)

NOTE: This drawing should be read in conjunction with the respective Arboricultural Survey Data (Appendix A).



Rev	Description	Drawn	Approved	Date
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Genesis Centre, Birchwood Science Park, Warrington WA3 7BH  
Tel 01925 844004 e-mail tep@tep.uk.com www.tep.uk.com

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Title

**Tree Constraints Plan Inset 6 [EXISTING]**

Drawing Number

**D7016.007**

Drawn	Checked	Approved	Scale	Date
HEE	RMG	JGS	1:2000 @ A3	25/06/2018