

BS5837:2012 Tree Survey

AA Tree Surgeons Ltd

Client: s2e
 Project: 231206 Redmoor Academy
 Survey Date: 06/12/2023
 Surveyor: Andrew Harrison



45a
 Shaw Lane
 Holbrook
 Derbyshire
 DE56 0TG
 Phone: 01332 803728

Tree and Tag No Species	Hght (m)	Stems		Crown		Age	RP A (m²) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations		Cat ERC
		No	Ø (mm)	Spread (m)	Clear (m)					Survey Comment		
G1												
A Group	4	0		N	2	2	Y	A: 0	Fair	C: Fair	No action :: Unspecified	C.1
- -				E	16	2		R: 0		S: Fair		
				S	2	2		B: Fair				
				W	16	2						
G2												
A Group	7	0		N	2	2	Y	A: 0	Fair	C: Fair	No action :: Unspecified	C.1
- -				E	35	2		R: 0		S: Fair		
				S	2	2		B: Fair				
				W	35	2						
T1												
Field Maple	9	1	370	N	4	3	M	A: 61.9	Fair	C: Fair	No action :: Unspecified	B.1
<i>Acer campestre</i>				E	4	2		R: 4.43		S: Fair		
				S	4	2		B: Fair				
				W	4	2						
T2												
Field Maple	10	1	500	N	4	2	M	A: 113.1	Fair	C: Fair	No action :: Unspecified	B.1
<i>Acer campestre</i>				E	4	2		R: 6		S: Fair		
				S	4	2		B: Fair				
				W	4	2						
Age Classifications: N Newly planted EM Early Mature Y Young M Mature SM Semi-mature OM Over Mature												
Condition: C Crown S Stem B Basal area												
Stems: Ø Diameter (Eq) Equivalent stem diameter using BS5837:2012 definition												
ERC: Estimated Remaining Contributio												

Tree and Tag No Species	Hght (m)	Stems		Crown		Age	RP A (m²) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations			Cat ERC
		No	Ø (mm)	Spread (m)	Clear (m)					Survey Comment			
T3													
Field Maple <i>Acer campestre</i>	10	1	380	N	3	2	M	A: 65.3 R: 4.55	Fair	C: Fair S: Fair B: Fair	No action :: Unspecified		B.1
				E	3	2					Maple on site boundary between development and main road downgraded to B due to being suppressed on two sides by adjacent trees		20 to 40 yrs
				S	3	2							
				W	2	2							
T4													
Common Ash <i>Fraxinus excelsior</i>	13	5	559 (Eq)	N	3	2	SM	A: 141.4 R: 6.7	Fair	C: Fair S: Fair B: Poor	No action :: Unspecified		C.1
				E	4	2					Multi Stemmed Ash outside boundary on main road ivy covered and tight unions. No current signs of ADB though infection likely due to nationwide infection rate.		10 to 20 yrs
				S	4	2							
				W	4	2							
T5													
Norway Maple <i>Acer platanoides</i>	10	1	410	N	4	2	SM	A: 76.1 R: 4.92	Fair	C: Fair S: Fair B: Fair	No action :: Unspecified		B.1
				E	4	2					Maple on main drive entrance next to boundary fence.		20 to 40 yrs
				S	4	2							
				W	4	2							
T6													
Norway Maple <i>Acer platanoides</i>	10	1	420	N	3	2	SM	A: 79.8 R: 5.03	Fair	C: Fair S: Fair B: Fair	Raise low canopy :: To 5.0m		B.1
				E	4	4					Maple in a row on main access driveway. Crown lift to 5.2m over driveway to attain statutory clearance and allow room for construction traffic. East side of stem less than 1m away is a pre existing tarmac driveway/footpath.		20 to 40 yrs
				S	3	2							
				W	4	2							
T7													
Norway Maple <i>Acer platanoides</i>	10	1	360	N	3	2	SM	A: 58.6 R: 4.31	Fair	C: Fair S: Fair B: Fair	Raise low canopy :: To 5.0m		B.1
				E	4	4					Maple in a row on main access driveway. Crown lift to 5.2m over driveway to attain statutory clearance and allow room for construction traffic. East side of stem less than 1m away is a pre existing tarmac driveway/footpath.		20 to 40 yrs
				S	3	2							
				W	4	2							
Age Classifications:	N Y SM	Newly planted Young Semi-mature	EM M OM	Early Mature Mature Over Mature	Condition:			C S B	Crown Stem Basal area	Stems:	Ø (Eq)	Diameter Equivalent stem diameter using BS5837:2012 definition	ERC: Estimated Remaining Contributio

Tree and Tag No Species		Hght (m)	Stems		Crown		Age	RP A (m²) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations			Cat ERC
			No	Ø (mm)	Spread (m)	Clear (m)					Survey Comment			
T8														
Norway Maple	10	1	390	N	3	2	SM	A: 68.8	Fair	C: Fair	Raise low canopy :: To 5.0m			B.1
Acer platanoides				E	4	4		R: 4.67		S: Fair	Maple in a row on main access driveway. Crown lift to 5.2m over driveway to attain statutory clearance and allow room for construction traffic. East side of stem less than 1m away is a pre existing tarmac driveway/footpath.			20 to 40 yrs
				S	3	2				B: Fair				
				W	4	2								
T9														
Norway Maple	10	1	420	N	3	2	SM	A: 79.8	Fair	C: Fair	Raise low canopy :: To 5.0m			B.1
Acer platanoides				E	4	4		R: 5.03		S: Fair	Maple in a row on main access driveway. Crown lift to 5.2m over driveway to attain statutory clearance and allow room for construction traffic. East side of stem less than 1m away is a pre existing tarmac driveway/footpath.			20 to 40 yrs
				S	3	2				B: Fair				
				W	4	2								
T10														
Norway Maple	10	1	350	N	3	2	SM	A: 55.4	Fair	C: Fair	Raise low canopy :: To 5.0m			B.1
Acer platanoides				E	4	4		R: 4.19		S: Fair	Maple in a row on main access driveway. Crown lift to 5.2m over driveway to attain statutory clearance and allow room for construction traffic. East side of stem less than 1m away is a pre existing tarmac driveway/footpath.			20 to 40 yrs
				S	3	2				B: Fair				
				W	4	2								
T11														
Norway Maple	10	1	410	N	3	2	SM	A: 76.1	Fair	C: Fair	Raise low canopy :: To 5.0m			B.1
Acer platanoides				E	4	4		R: 4.92		S: Fair	Maple in a row on main access driveway. Crown lift to 5.2m over driveway to attain statutory clearance and allow room for construction traffic. East side of stem less than 1m away is a pre existing tarmac driveway/footpath.			20 to 40 yrs
				S	3	2				B: Fair				
				W	4	2								
T12														
Norway Maple	10	1	400	N	2	4	SM	A: 72.4	Fair	C: Fair	Fell :: Fell and remove stump(s)			C.2
Acer platanoides				E	3	2		R: 4.8		S: Fair	Maple set back from avenue spanning the length of the main driveway. One-sided tree due to North side being heavily pruned back from road. Not possible to retain tree under current design proposal. North side of stem less than 1m away is a pre existing tarmac driveway/footpath.			10 to 20 yrs
				S	4	2				B: Fair				
				W	2	2								
Age Classifications:		N	Newly planted	EM	Early Mature	Condition:		C	Crown	Stems:		Ø	Diameter	
	Y	Young	M	Mature			S	Stem				(Eq)	Equivalent stem diameter using BS5837:2012 definition	
	SM	Semi-mature	OM	Over Mature			B	Basal area			ERC:	Estimated Remaining Contributio		

Tree and Tag No Species	Hght (m)	Stems		Crown		Age	RP A (m²) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations			Cat ERC
		No	Ø (mm)	Spread (m)	Clear (m)					Survey Comment			
T13													
Robinia	11	1	600	N	5	2	M	A: 162.9 R: 7.2	Fair	C: Fair S: Fair B: Fair	Raise low canopy :: To 5.0m	B.1 20 to 40 yrs	
<i>Robinia pseudoacacia</i>				E	5	2					Robinia situated within its own planting bed on carpark next to fenced bin area. Likely to be affected by construction traffic. Crown lift and reduce back low lateral branch to south to attain 5.2m clearance for construction traffic.		
				S	5	3							
				W	5	2							
T14													
Wild Cherry	6	1	290	N	3	2	SM	A: 38.1 R: 3.48	Poor	C: Fair S: Poor B: Fair	No action :: Unspecified	C.1 10 to 20 yrs	
<i>Prunus avium</i>				E	3	2					Cherry on main drive way on the edge of potential construction traffic entrance. Surrounded by tarmacked area		
				S	3	2							
				W	3	2							
T15													
Norway Maple	9	1	310	N	3	2	SM	A: 43.5 R: 3.72	Poor	C: Poor S: Fair B: Fair	Raise low canopy :: To 5.0m	C.1 10 to 20 yrs	
<i>Acer platanoides</i>				E	3	2					Maple on main driveway likely to be affected by construction traffic. Crown lift to attain statutory clearance 5.2m over driveway. West side of stem 1m away is a pre existing tarmac driveway/footpath poor canopy health is evident poor specimen with dieback evident in the crown though outside construction area.		
				S	2	4							
				W	2	4							
T16													
Norway Maple	10	1	310	N	1	2	SM	A: 43.5 R: 3.72	Fair	C: Poor S: Fair B: Fair	Raise low canopy :: To 5.0m	C.1 10 to 20 yrs	
<i>Acer platanoides</i>				E	3	2					Maple on main driveway likely to be affected by construction traffic. Crown lift to attain statutory clearance 5.2m over driveway. West side of stem 1m away is a pre existing tarmac driveway/footpath poor specimen heavy dieback evident in crown suppressed by adjacent trees.		
				S	2	2							
				W	2	4							
T17													
Norway Maple	10	1	390	N	4	2	SM	A: 68.8 R: 4.67	Fair	C: Fair S: Fair B: Fair	Raise low canopy :: To 5.0m	B.1 20 to 40 yrs	
<i>Acer platanoides</i>				E	4	2					Maple on main driveway likely to be affected by construction traffic. Crown lift to attain statutory clearance 5.2m over driveway. West side of stem 1m away is a pre existing tarmac driveway/footpath		
				S	4	2							
				W	4	4							
Age Classifications:	N Y SM	Newly planted Young Semi-mature	EM M OM	Early Mature Mature Over Mature	Condition:		C S B	Crown Stem Basal area	Stems:	Ø (Eq)	Diameter Equivalent stem diameter using BS5837:2012 definition	ERC:	Estimated Remaining Contributio

Tree and Tag No Species	Hght (m)	Stems		Crown		Age	RP A (m²) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations			Cat ERC
		No	Ø (mm)	Spread (m)	Clear (m)					Survey Comment			
T18													
Norway Maple <i>Acer platanoides</i>	10	1	320	N	4	2	SM	A: 46.3 R: 3.83	Poor	C: Poor S: Fair B: Fair	Raise low canopy :: To 5.0m	C.1	
				E	4	2					Maple on main driveway set to northern side of entrance to existing carpark likely to be affected by construction traffic. Crown lift to attain statutory clearance 5.2m over driveway. To West and south side of stem less than 1m away is a pre existing tarmac driveway/footpath.	10 to 20 yrs	
				S	4	4							
				W	4	4							
T19													
Wild Cherry <i>Prunus avium</i>	11	1	500	N	5	4	M	A: 113.1 R: 6	Fair	C: Poor S: Fair B: Fair	Raise low canopy :: To 5.0m	C.1	
				E	5	2					Cherry on main driveway set to southern side of entrance to existing carpark likely to be affected by construction traffic. Crown lift to attain statutory clearance 5.2m over driveway. To West and northern side of stem less than 1m away is a pre existing tarmac driveway/footpath. Poor crown due to deadwood and stubs evident. Likely due to previous pruning activities for carpark entrance.	10 to 20 yrs	
				S	4	2							
				W	5	4							
T20													
Norway Maple <i>Acer platanoides</i>	11	1	450	N	4	2	SM	A: 91.6 R: 5.39	Fair	C: Fair S: Fair B: Fair	Raise low canopy :: To 5.0m	B.1	
				E	4	2					Maple on main driveway likely to be affected by construction traffic. Crown lift to attain statutory clearance 5.2m over driveway. West side of stem less than 1m away is a pre existing tarmac driveway/footpath.	20 to 40 yrs	
				S	4	2							
				W	4	4							
T21													
Norway Maple <i>Acer platanoides</i>	10	1	360	N	5	2	SM	A: 58.6 R: 4.31	Fair	C: Fair S: Fair B: Fair	No action :: Unspecified	B.1	
				E	5	2					Maple on main entrance set back to East of pedestrian gate. Stem 2.5m away from pre existing compacted stone carpark area proposed to be overlaid with tarmac.	20 to 40 yrs	
				S	5	2							
				W	5	2							
Age Classifications: N Newly planted EM Early Mature Y Young M Mature SM Semi-mature OM Over Mature Condition: C Crown S Stem B Basal area Stems: Ø Diameter (Eq) Equivalent stem diameter using BS5837:2012 definition ERC: Estimated Remaining Contributio													

Tree and Tag No Species	Hght (m)	Stems		Crown		Age	RP A (m²) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations			Cat ERC
		No	Ø (mm)	Spread (m)	Clear (m)					Survey Comment			
T22													
Common Ash <i>Fraxinus excelsior</i>	15	1	1200	N	5	5	M	A: 651.5 R: 14.4	Poor	C: Poor S: Fair B: Fair	No action :: Unspecified		C.1
				E	7	3						Large Ash on exterior of boundary fence on the roadside. previously heavily pruned/pollarded with large pockets of decay visible on old pruning wounds. Poor specimen. RPA likely within pre existing compacted stone carpark area proposed to be overlayed with tarmac.	10 to 20 yrs
				S	7	3							
				W	7	3							
T23													
Sycamore <i>Acer pseudoplatanus</i>	10	1	500	N	4	3	M	A: 113.1 R: 6	Poor	C: Poor S: Ivy B: Fair	No action :: Unspecified		C.1
				E	3	3							10 to 20 yrs
				S	6	5						Sycamore exterior of boundary fence almost completely covered in ivy. RPA likely within pre existing compacted stone carpark area proposed to be overlayed with tarmac. Can be retained but a poor specimen.	
				W	3	3							
T24													
Field Maple <i>Acer campestre</i>	11	1	400	N	6	2	M	A: 72.4 R: 4.8	Fair	C: Fair S: Fair B: Fair	No action :: Unspecified		B.1
				E	4	2							20 to 40 yrs
				S	5	4						Maple between boundary fence pre existing compacted stone carpark area proposed to be overlayed with tarmac.	
				W	4	3							
T25													
Field Maple <i>Acer campestre</i>	11	1	420	N	6	2	M	A: 79.8 R: 5.03	Fair	C: Fair S: Ivy B: Fair	No action :: Unspecified		B.1
				E	4	2							20 to 40 yrs
				S	5	4						Maple between boundary fence pre existing compacted stone carpark area proposed to be overlayed with tarmac.	
				W	4	3							
T26													
Field Maple <i>Acer campestre</i>	6	1	300	N	2	0	M	A: 40.7 R: 3.59	Decline	C: Poor S: Fair B: Poor	No action :: Unspecified		C.1
				E	2	0							10 to 20 yrs
				S	3	2						Maple between boundary fence pre existing compacted stone carpark area proposed to be overlayed with tarmac. Die back evident in the crown major deadwood. Possible basal cavity. Remove or retain on requirement.	
				W	2	2							
Age Classifications:	N Y SM	Newly planted Young Semi-mature	EM M OM	Early Mature Mature Over Mature			Condition:	C S B	Crown Stem Basal area		Stems: ERC:	Ø Diameter (Eq) Equivalent stem diameter using BS5837:2012 definition Estimated Remaining Contributio	

Tree and Tag No Species	Hght (m)	Stems		Crown		Age	RP A (m²) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations		Cat ERC
		No	Ø (mm)	Spread (m)	Clear (m)					Survey Comment		
T27												
A Group	6	9	240 (Eq)	N	2	0	Y	A: 26.1	Poor	C: Fair	Fell :: Fell and remove stump(s)	U <10 yrs
- -				E	2	0		R: 2.88		S: Poor		
				S	2	0				B: Poor		
				W	2	0					Small multi Stemmed group of birch, thorn and cornus poor specimens likely to be negatively impacted further buy excavation. Recommendation to remove	
T28												
Lombardy Poplar	17	1	590	N	3	0	SM	A: 157.5	Fair	C: Fair	No action :: Unspecified	B.1 20 to 40 yrs
Populus nigra 'Italica'				E	3	0		R: 7.08		S: Fair		
				S	3	0				B: Fair		
				W	2	0					Poplar on corner of current carparking area next to sports area.	
T29												
Common Oak	8	1	330	N	3	0	Y	A: 49.3	Poor	C: Fair	Fell :: Fell and remove stump(s)	U <10 yrs
Quercus robur				E	3	0		R: 3.96		S: Poor		
				S	3	0				B: Fair		
				W	3	0					Oak on corner of the current carparking area near the sports area. 2x Tight unions near the base only a short term benefit to site is foreseeable	
T30												
Field Maple	8	6	857 (Eq)	N	3	0	Y	A: 332.5	Poor	C: Fair	Fell :: Fell and remove stump(s)	U <10 yrs
Acer campestre				E	3	0		R: 10.28		S: Poor		
				S	3	0				B: Poor		
				W	3	0					Maple on corner of existing carpark near sports area. Old Coppice, tight unions, Only of short term benefit to site.	

Report selection criteria.

Projects.

231206 Redmoor Academy

Date Range.

Any Date

Work types.

----> Fell :: Fell and remove stump(s)
 ----> No action :: Unspecified
 ----> Raise low canopy :: To 5.0m

Latest Survey.

All surveys for the selected trees.
 ---> Last survey for each selected tree.

Work Completed.

---> Work Completed
 ---> Work Not Completed

Number of trees in selected Project(s) **32**

Number of trees in Report selection **32**

Age Classifications:

N	Newly planted	EM	Early Mature
Y	Young	M	Mature
SM	Semi-mature	OM	Over Mature

Condition:

C	Crown
S	Stem
B	Basal area

Stems: Ø Diameter
 (Eq) Equivalent stem diameter using BS5837:2012 definition
ERC: Estimated Remaining Contributio