

Arboricultural Survey for  
Property Services  
Site: Oakridge Nursing Care,  
Jefferson Road, Basingstoke.

Purpose: an additional wing is proposed on this site. Existing trees will need to be removed, moved or protected. This survey aims to identify those trees affected by the proposal and suggests ways to manage them.

Date: 16.04.12 Sarah Kiss, Arboricultural Section.

## Summary.

The proposal will require the felling of 12 trees, suggest the felling of a further two trees on the arboricultural grounds, the relocation of two young trees and the protection of retained trees.

There are no trees on site that should stop the proposals going ahead given adequate protection to retained trees.

At time of writing, proposed access, storage etc. is not known. Suggestions have been made: reconsultation must take place on final design of site & construction layout.

Table 1: Trees lost as a result of proposal or (in green) on arboricultural grounds

Tree no	Species * denotes multi-stem form	Dia mms (@1.5)	Age Class	Retention class - see key
T3	Field maple - <i>Acer campestre</i>	380	Mi	C1,2
T4	Field maple	270	Mi	C1,2
T5	Field maple *	210	Mi	C1,2
T6	Field maple *	170	Mi	C1,2
T7	Field maple	260	Mi	C1,2
T8	Field maple *	190	Mi	C1,2
T9	Field maple	390	Mi	R
T10	Field maple *	140	Mi	R
T11	Field maple	150	Mi	C1,2,
T12	Cute-leaved Birch - <i>Betula pendula</i> ' <i>Dalecarlica</i> '	80	Mi	R
T13	Downy birch <i>Betula pubescens</i>	100	Mi	R
T16	Field maple	13	Y	C2
T18	Box elder - <i>Acer negundo</i>	300	Mi	B2,3
T22	Cherry - <i>Prunus spp</i>	310	Mi	C2

Table 1: Trees requiring protection as a result of proposal. Distance from stem to protective fencing must be at least the Root Protection Area (PRA) radius shown in the table.

Tree no	Species	Dia mms(@ 1.5)	RPA radius in m*	Age Class	Retention class - see key	Physiological and structural condition	Preliminary Management Recommendations
T1	Ornamental cherry - <i>Prunus spp</i>	210	2.52	Mi	B1	Fair/Fair Bird Box	None
T2	Ornamental cherry	210	2.52	OM	C	Poor/Poor, top graft, heavily pruned, poor form	None
T14	Field maple	60	0.72	Y	B2	Fair/Fair: Recently planted. Best of group	None
T15	Field maple	75	0.90	Y	B2	Fair/Fair: Recently planted.	Suggest undercutting and moving as final position will conflict with proposal
T16	Field maple	13	0.16	Y	C2	Poor/Fair: Recently planted. Poorest of group	Suggest removal on arboricultural grounds – unlikely to withstand moving
T17	Field maple	20	0.24	Y	B2	Fair/Fair: Recently planted.	Suggest undercutting and moving as final position will conflict with proposal
H19	Hedge of Lonicera, Amelanchier, Fagus	200	2.40	Mi	C2	Fair/Fair	Provides screening. Manage as low hedge to reduce future conflict with proposal
G20	Group of shrubs, self set saplings & standards	300	3.60	Mi	C1,2	Mixed. Includes 3 x <i>Prunus cerasifera</i> 'Pissardi' of max 38cm dia 2m from edge of group	None
T21	Beech - <i>Fagus sylvatica</i>	510	6.12	Mi	B1,2	Fair/Fair	None
T23	Beech - <i>Fagus sylvatica</i>	250	3.00	Mi	B1,2	Good/Good	None
T24	Cherry - <i>Prunus spp</i>	200	2.40	Mi	R	Poor/Very poor	None
T25	Cherry - <i>Prunus spp</i>	100	1.20	Mi	R	Poor/Very poor	None
G26	Cherry - <i>Prunus spp</i> & various shrubs	220	2.64	Mi	B2,3	Fair/Fair. Includes. <i>Viburnum</i> , 3 x <i>Prunus sp.</i> , <i>Cotoneaster</i> .	None
T27	Gean - <i>Prunus avium</i>	270	3.24	Mi	B2	Fair/Fair. Growing in with shrubs.	None
T28	Group of <i>Fraxinus excelsior</i> , <i>cornus</i> ,	260	3.12	Mi	C2	Fair/Fair . Includes 1 x <i>Acer campestre</i> 260cm dia. Protected by	None

	Acer campestre					existing kerb edge.	
T29	Group to West side of entrance	75	0.90	Mi	B2	Fair/Fair	Already protected by existing fence and kerb line - outside main grounds
Note 1: The root protection zone suggested by BS5837 2005 is twelve times the stem diameter measured radially from the centre of the stem. The RPA is capped at 15.0m. A new version is coming into force April 30 <sup>th</sup> 2012							
* Denotes a multiple stem tree where the stem diameter is measured at just above root flare and multiplied by 10 to achieve RPA							

Trees to be moved should be undercut on opposite sides during alternate seasons to encourage a tighter root ball prior to lifting.

### **Considerations.**

Fencing must be erected as shown on plan to protect trees even where existing kerblines are in place to stop vehicles passing over soft landscaping. Protection fencing must meet specifications shown in BS5837: 2005 or 2012 (soon available).

Access. Via the existing main entrance. If alternative access is preferred, reconsult with arboriculture.

Ground protection. No parking, vehicle or pedestrian movements, storage or mixing on soft landscaping without suitable ground protection.

Trees to be felled must be removed prior to erection of fencing. Fencing must be erected prior to start of construction and remain in place until construction is complete and all vehicles are off-site.

Site compound/office should all on existing hard surfacing or outside protection fencing with suitable ground protection.

Areas for future planting or landscaping will be included in the protected areas.

Future planting must take into account the full-grown size of selected species and allow adequate space for growth/to minimise future pruning requirements.

The location of lighting, CCTV, underground and overhead services must be outside the protection areas or arboricultural advice sought. Location of services must take into account the need for future pruning to retain clear sight lines etc.

Site: Oakridge, Jefferson Road, Basingstoke										Surveyor: Sarah Kiss		Survey date: Friday 13th April 2012	
Client name: Architects' Dept	Age class: S=sapling, Y=first 1/4 of life expectancy, Mi=middle aged - second quarter of life expectancy, Ma=Mature - second 1/4 of life expectancy, OM=third 1/4 of life expectancy, V=Veteran - final quarter of life expectancy. Based on life expectancy for species.												
Reference: proposed extension to existing property										Condition: D= Dead, P=poor, F=Fair, G=Good, E=Excellent			
Tree no	Species	Ht (m)	Dia mms (@1.5)	RPA radius in m*	Crown Spread	Canopy Height	Age Class	Retention class - see key	Remaining life contribution	Physiological and structural condition	Condition	Preliminary Management Recommendations	
T1	Ornamental cherry - <i>Prunus spp</i>	6	210	2.52	5	1.8	Mi	B1	20-40	Fair/Fair Bird Box		None	
T2	Ornamental cherry	2	210	2.52	3	1	OM	C	<10	Poor/Poor, top graft, heavily pruned, poor form		None	
T3	Field maple - <i>Acer campestre</i>	8	380	4.56	8	2	Mi	C1,2	20-40	Fair/Fair Fork at 1.2m splits to 4 main stems. Weighted North. Codom T4 & T5		None	
T4	Field maple	10.5	270	3.24	5	6	Mi	C1,2	20-40	Poor/Poor. NEST present. Flushing later than others, some deadwood present. Pruning wounds showing slight occlusion.		None	
T5	Field maple *	9	210	2.52	5	1	Mi	C1,2	<10	Fair/poor. Twin stem. Compression fork with soil-filled cavity in crotch. Suppressed by adjacent and removed trees.		None	
T6	Field maple *	11	170	2.04	4	1	Mi	C1,2	10-20	Fair/poor. Minor bleeding from lower stem. Fused at 1.2m Etoliated form due to removal of adjacent trees.		None	
T7	Field maple	9	260	3.12	4.5	1.5	Mi	C1,2	10-20	Fair/Fair. Imbalanced form due to removal of adjacent trees.		None	

T8	Field maple *	9	190	2.28	6	1.5	Mi	C1,2	10-20	Fair/Fair. Weighted South	None
T9	Field maple	9	390	4.68	3	2.5	Mi	R	<10	Poor/Poor. Etoliated form due to removal of adjacent trees.	None
T10	Field maple *	8	140	1.68	2	6	Mi	R	<10	Poor/Poor. Lower crown dead. Etoliated NEST present	None
T11	Field maple	8	150	1.80	7	1.5	Mi	C1,2,	20-40	Fair/Fair. Regrown from early pruning: one fork at 0.5m, another at 1.0m with cavity in crotch. Weighted East	None
T12	Cute-leaved Birch - <i>Betula pendula</i> ' <i>Dalecarlica</i> '	11	80	0.96	3	7	Mi	R	<10	Poor/Poor, etoliated & sparse	None
T13	Downy birch <i>Betula pubescens</i>	8	100	1.20	4	4	Mi	R	<10	Poor/Poor, poor pruning, <i>Taphrina deformans</i> present (witches brooms)	None
T14	Field maple	4	60	0.72	2	3	Mi	B2	40+	Fair/Fair: Recently planted. Best of group	None
T15	Field maple	5.5	75	0.90	2.5	3	Mi	B2	40+	Fair/Fair: Recently planted.	None
T16	Field maple	4	13	0.16	1.5	3	Mi	B2	40+	Fair/Fair: Recently planted. Poorest of group	None
T17	Field maple	5	20	0.24	3	3	Mi	B2	40+	Fair/Fair: Recently planted.	None
T18	<i>Box elder - Acer negundo</i>	9	300	3.60	12	4	Mi	B2,3	10-20	Poor/Poor. Leaning. Large amount of small diameter deadwood present and one hanger (safe). Ivy ingress to mid-crown.	Remove hanger, sever ivy, deadwood to

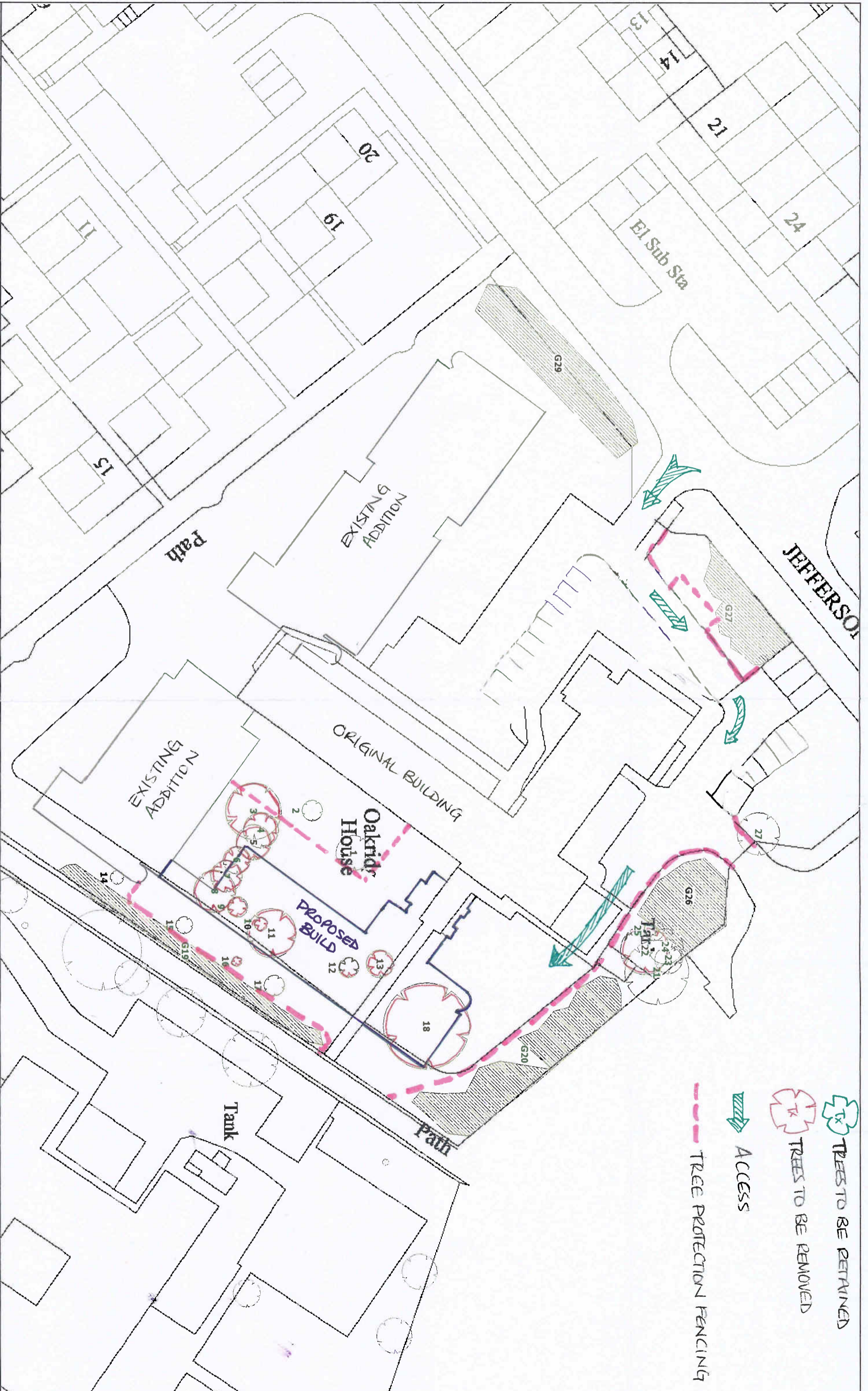
												assess future trend of condition
H19	Hedge of Lonicera, Amelanchier, Fagus	2	200	2.40	2	0	Mi	C2	10-20	Fair/Fair		None
G20	Group of shrubs, self set saplings & standards	7	300	3.60	8	0	Mi	C1,2	10-20	Mixed. Includes 3 x <i>Prunus cerasifera</i> 'Pissardii' of max 38cm dia 2m from edge of group		None
T21	Beech - <i>Fagus sylvatica</i>	14	510	6.12	9	2	Mi	B1,2	40+	Fair/Fair		None
T22	Cherry - <i>Prunus spp</i>	10	310	3.72	7	3	Mi	R	<10	Poor Poor. Part dead. <i>Phellinus</i> present.		None
T23	Beech - <i>Fagus sylvatica</i>	8	250	3.00	4	2	Mi	B1,2	40+	Good/Good		None
T24	Cherry - <i>Prunus spp</i>	5	200	2.40	6	1	Mi	R	<10	Poor/Very poor		None
T25	Cherry - <i>Prunus spp</i>	3	100	1.20	3	1	Mi	R	<10	Poor/Very poor		None
G26	Cherry - <i>Prunus spp</i> & various shrubs	6	220	2.64	4	1	Mi	B2,3	10-20	Fair/Fair. Includes. Viburnum, 3 x <i>Prunus sp.</i> , Cotoneaster.		None
T27	Gean - <i>Prunus avium</i>	5	270	3.24	6	2	Mi	B2	10-20	Fair/Fair. Growing in with shrubs.		None
T28	Group of Fraxinus excelsior, Cornus, Acer campestre	4	260	3.12	2	2	Mi	C2	10-20	Fair/Fair . Includes 1 x <i>Acer campestre</i> 260cm dia. Protected by existing kerb edge.		None

T29	Group to West side of entrance	3.5	75	0.90	2	2	Mi	B2	10-20	Fair/Fair	Already protected by existing fence and kerb line - outside main grounds	
Note 1. Trees 3 - 10 appear to have been planted as a hedge, since lapsed & thinned.												
Note 2: The root protection zone suggested by BS5837 is twelve times the stem diameter measured radially from the centre of the stem. The RPA is capped at 15.0m.												
Note 3: Minor deadwood is taken as less than 50mm in diameter. Major deadwood is taken as 50mm or more in diameter.												
* Denotes a multiple stem tree where the stem diameter is measured at just above root flare and multiplied by 10 to achieve RPA												



Oakridge House, Basingstoke  
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TREES TO BE RETAINED  
TREES TO BE REMOVED

ACCESS

TREE PROTECTION FENCING

Scale	Unknown
Date	16/04/2012

