



TREE REPORT

St Peter and St Paul

Lakeside
Scunthorpe

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1. Instructions.

To carry out an inspection of the trees on the land to the south of Manifold Road, Scunthorpe and record information in relation to BS 5837: trees in relation to construction (2005).

To comment and advise on the development proposals in relation to the tree survey findings.

To advise on measures required for the protection of those trees suitable for retention.

2. Date of inspection.

The trees were inspected on the 14th December 2010.

3. Background information:

The land concerned is an area of scrub to the east of Ennerdale Lane and to the south of Manifold Road, Scunthorpe.

4. Condition of trees.

Please see Appendix No 1 attached to my report which gives information on each tree and groups of trees in relation to the following:

- Tree types and groups with reference number
- Species
- Height
- Stem / trunk diameter at 1.5m above ground level
- Crown spread
- Height from ground level to lowest part of crown
- Age Class
- Physical condition
- Structural condition
- Other Comments
- Preliminary Management Recommendations
- Safe useful life expectancy

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Tree Quality Assessment in relation to 'BS 5837 - Trees in relation to construction' 2005.
Photographs

The trees are located on the attached drawing.

5. Wildlife and countryside Act:

Where birds and bats may be affected by work to trees and hedges, consideration should be given to the timing of the work and whether the work is essential.

Bats are protected under the Wildlife & Countryside Act 1981 and subsequent legislation and it is an offence to deliberately or recklessly disturb them or damage their roosts. The trees have been inspected for possible bat roosts during the tree survey and no obvious signs were found. However, if the presence of bats is suspected when tree works commence then advice will need to be sought from Natural England via the Bat Line on 0845 1300228. Further advice on bats is available from 'The Bat Conservation Trust' (020 7627 2629).

6. Development Comments:

6.1. General:

The proposals will involve the felling and clearance of part or all of a large, naturally developing area of scrub of mainly thorn but including elder, oak, ash and birch.

6.2. Tree Constraints Plan

The locations of the trees are shown on the attached drawing along with my grades for each tree or areas of trees as detailed in Appendix No.1 and in relation to BS5837 (2005).

6.2.1. Root Protection Areas:

I have indicated my considered Root Protection Areas on the attached drawing for the possible protection of all grade A and B trees that could be affected by the works.

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6.2.2. Above ground constraints:

The above ground constraints relate to the crown spread of the trees and their ultimate size. The actual crown spreads of all grade A and B trees are shown in the attached appendix and represented on the attached drawing.

7. Arboricultural implications assessment:

7.1. Tree constraints and design:

- The area comprises a large number of self sown thorn trees that have now reached heights of up to 10m. They form around 90% of the tree cover. From a visual point of view, the area is fairly well hidden so it could be said that it is not a visually important feature.
- From a wildlife point of view, the area comprises indigenous trees of thorn, elder, oak and ash and may possibly be of high wildlife value. However, I do not have the expertise to comment on this aspect and have confined my grading of the trees to that of condition and visual impact on the local area.
- There is an area of oak trees, A1, which must be considered of high amenity and potential wildlife value. The trees are not of high individual quality but the combined value of these trees makes them an important area or group feature. Many schools have wildlife areas and an area such as this would provide an important teaching facility that many schools would wish to aim for. The area could be fenced off within the grounds of the school to control access. If it could be extended to include any thorn and birch then it would be an excellent feature.
- The ash trees within the site are poor and ash No.1 is in a dangerous condition, needing to be felled.
- The northern boundary hedge, H1, has lost its original form and is now a row of trees. It could be retained as a feature with a boundary fence on the north or south side. It would not be practical to 'lay' the hedge to regenerate a new one.
- The Oak tree within this boundary hedge, tree No.3, is a large and healthy tree and a very important feature in the area.

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7.2. Proximity of trees to structures:

Please see section 7.1.

8. Restrictions:

No felling or tree clearance should be carried out without planning approval.

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Arboricultural Method Statements and Tree Protection Plan

1. General

The following arboricultural method statements and tree protection plan should be read in conjunction with the tree report prepared by Waller Tree Consulting. The tree report details all the significant trees present on the site with information prepared in relation to British standard 5837 (2005).

Site Personnel, employees and contractors, will be made aware of these Arboricultural Method Statements (AMS) before development commences and will receive a site induction meeting. A copy of the AMS and notes / plans will also be kept in the site office file so that it can be referred to or viewed at all times. Any new contractors appointed at a later date will also be issued with a copy and have a site induction meeting.

2. Tree protection plan:

When trees are retained then the Root Protection Areas indicated on the attached drawing should be protected during development. The protected areas will be the Construction Exclusion Zones. Fencing must be erected prior to any demolition or construction works commencing. No storage of materials, mixing of concrete, parking of vehicles etc is to take place within the protected areas designated on the attached drawing. These areas to be protected with secure fencing which will prevent access throughout the development and which will be installed prior to starting and not be removed until completion. Depending on the scale of the development and the trees to be protected, the protection fencing should be appropriate to the degree of protection required. The fencing may be 'Heras-type' fencing some 2m tall with supports **driven** into the ground (Please see attached diagram which indicates the protective barrier).

The fencing must be clearly labeled "TREE PROTECTION, DO NOT MOVE".

All fencing should be checked on site by a Tree Consultant to ensure it is placed in the correct locations and is adequate for the purpose.

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3. Non-dig roads and driveways

Method statement for the Construction of Non-dig roads and driveways:

Not applicable.

4. Barriers and ground protection within the Root Protection Area

Not applicable.

5. Progress of development:

Prior to the commencement of installation of roads, services and foundations, a predevelopment meeting will be held between the Tree Officer, Tree Consultant, site manager/foreman to ensure that the Construction Exclusion Zone fencing is in place and is as detailed as requested in section 2. The meeting will also discuss all the practical aspects of tree management in relation to the development so that all the trees to be retained can be kept in a healthy and safe condition.

The site will be visited on a regular basis by a tree consultant once development has begun to ensure that all protection measures are being adhered to and any problems in relation to trees are resolved.

6. Tree works:

All tree works should be carried out prior to development of the site including the erection of protection fencing.

7. Pile foundations within the Root Protection Area:

Not applicable.

Appendix No.1	Location: Land at Manifold Road, Scunthorpe	Date: 14th December 2010	
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Ref	Species	Ht (m)	Stem Dia (mm)	Crown Spread		Ht cr	A Cl	P C	S C	Other Comments	Preliminary Management Recommendations	Sul e	T Q A	Ph
				N	4									
H1	Thorn	<8	<215	N	4	0	M	F	F	Old thorn hedge that is now a row of trees. Gaps with no low stem foliage or shoots. Value is one of amenity, wildlife and screening.	No real practical management possible.	10-20	C	6
				S	4									
				W	-									
				E	-									
A1	Thorn	< 10	multi	N	4	0	Y	F	F	Large area of self sown thorn trees including oak, ash, elder. Good for wildlife. If the area is to be developed then consideration will need to be given to mass clearance. Retain oak / birch.	No urgent action required.			30
				S	4		-	/	/					31
				W	4		M	G	G					32
				E	4		A							33
														34
														35
														36
A2	Oak	< 17	<415	N	-	0	Y	F	F	Area of Oak. Single and multi stemmed. Deadwood present through crowns. High wildlife and nature value. Possible nature reserve.	No urgent action required.	30-40	B	18
				S	-		-	/	/					19
				W	-		M	G	G					20
				E	-		A							21
														22
														23
										(3 trees with fire damage present).	Fell.	0-5	R	
1	Ash	18	865	N	10	0	M	F	P	Trunk hollow from 7m down to 1.5m east. Bracket of fungus of <i>inonotus hispidus</i> (Dryads saddle) present at 2m east. Large branch torn from trunk at 3m centre. Old hedgerow. Wildlife value.	Fell.	0-5	R	5
				S	11									7
				W	8									8
				E	10									

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2	Ash	13	493	N 6 S 6 W 6 E 5	1	M	G	F	Decay main stem from 2.5-3.5m north east. Small cavity at 1.5m north. In old hedgerow. Minor deadwood present.	Clean crown of all obvious deadwood.	10-20	C	10 11 12	
3	Oak	20	708	N 8 S 10 W 12 E 9	1	M	G	G	Minor deadwood present. Telephone pole 5m to north east. High value tree.	No urgent action required.	40+	A	13	
4	Oak	3	164	N 3 S 4 W 3 E 4	0	Y	G	F	Sound and healthy.	No urgent action required.	40+	C	14	
5	Birch	14	~ 1000 GI	N 6 S 6 W 5 E 8	0	M	G	F	Multi stemmed. Sound and healthy. Feature tree with ~3 main stems.	No urgent action required.	30-40	B	15	
6	Birch	10	~700 GI	N 5 S 4 W 5 E 4	0	M	A	G	F	Multi stemmed. Branch on ground to west still attached to tree. 6 main stems present from ground level. Sound and healthy.	Remove branch on ground to west.	30-40	B	16 17
7	Crab Apple	8	Multi	N 5 S 5 W 5 E 5	0	M	G	F	Sound and healthy. Good wildlife value. Multi stemmed tree.	No urgent action required.	30-40	B	24	
8	Ash	8	600gl	N 4 S 4 W 4 E 4	0	M	A	G	F	Multi stemmed. Sound and healthy.	No urgent action required.	20-30	C	25
9	Ash	11	400gl	N 5 S 3 W 4 E 4	2	M	F	F	Dead branch to west.	Remove dead branch to west.	20-30	C	26	

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10	Ash	11	Multi	N		-	M	P	P	Dead. Fire damage.	Fell.	0	R	27
				S										
				W										
				E										
11	Ash	13	Multi	N		-	M	P	P	Dead. Fire damage.	Fell.	0-5	R	28
				S										
				W										
				E										
12	Ash	10	600gl	N	4	1	M	G	F	2 main stems from ground level.	No urgent action required.	10- 20	C	29
				S	3									
				W	6									
				E	6									

EXPLANATION OF TERMS

Age class (AC)	Physiological condition (PC)	Structural Condition (SC)	Tree quality assessment based on BS5837:2005 (TQA)	OTHER HEADINGS	
Y – Young	G - Good	G – Good	R -Trees in such a condition where any existing value would be lost within 10 years	Ref – Reference number which may refer to a tag attached to the tree	Ht Cr – Height from ground level to lowest branches of crown.
MA – Middle aged	F – Fair	F – Fair	A -Trees of high quality and value	Species – Common name with latin name (if considered necessary)	SULE – Safe Useful Life Expectancy (Estimated remaining contribution in years)
M – Mature	P – Poor	P - Poor	B -Trees of good quality and value	Ht – Overall height in metres	
OM – Over mature	D – Dead or dying	D – Dead or dying	C -Trees of low quality and value (trees in this	Stem Dia – Diameter of stem at 1.5m above ground level	Ph. – Photograph number

Appendix No.1	Location: Land at Manifold Road, Scunthorpe	Date: 14th December 2010	
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			category should not be retained where they impose significant constraints on development or management)		
V - Veteran				Crown Spread – Spread of branches to the 4 cardinal points	gl – ground level agl – above ground level.

Where trees are considered for felling, a replanting scheme should be prepared to ensure that there are an adequate number of replacements of suitable species to provide for the long term environmental impact of the scheme and to provide for a sustainable development.



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