

## ARBORICULTURAL METHOD STATEMENT

### Arboricultural Method Statement and Protection Plan

(in accordance with BS 5837:2012 - *Trees in relation to design, demolition and construction – Recommendations*)

Site: **land adj. A17 - A151 junction, Holbeach Food Enterprise Zone, Holbeach, Spalding**

Prepared for: **South Holland District Council**

Date: **24<sup>th</sup> January 2023**

Reference: **QU-851-23-EQUANS**

Surveyor/Report Author: **Andrew Hudson** ND Btec Forestry/Arb / TechArborA

*Senior Arboricultural Consultant*



andrew.hudson@equans.com / 07979 303 536 / dina.mysko@equans.com / 07971 804 783

**EQUANS - Arboricultural Consultancy**, New Oxford House, 2 George Street, Grimsby, North East Lincolnshire, DN31 1HB



Client Details: **South Holland District Council**

Council Offices  
Priory Road  
Spalding  
Lincolnshire  
PE11 2XE

Contact: **Paul Jackson**

Executive programme Manager  
Email: Paul Jackson [pauljackson@sholland.gov.uk](mailto:pauljackson@sholland.gov.uk)

Agent Details: **Robert Doughty Planning Consultancy**

32 High Street,  
Helpringham,  
Sleaford,  
Lincolnshire  
NG34 0RA

Contact: **Mike Braithwaite**

Town Planner  
Telephone: 01529 421646  
Email: Mike Braithwaite [m.braithwaite@rdc-landplan.co.uk](mailto:m.braithwaite@rdc-landplan.co.uk)



## CONTENTS

Page 4	<b>1.0-1.3</b>	<b>INTRODUCTION</b>
	1.4	<i>Scope of Recommendations and Techniques</i>
	1.5-1.6	<i>Description of Development</i>
Page 5	1.7-1.8	<i>Site Description</i>
Page 6	<b>2.0</b>	<b>ARBORICULTURAL METHOD STATEMENT (AMS)</b>
	2.1	<i>Pre-Development Tree Work</i>
	2.2	<i>Specification of Tree Works</i>
	2.3	<i>Schedule of Tree Works</i>
Page 7	2.4	<i>Schedule of Tree Works (cont.)</i>
Page 8	2.5	<i>Arboricultural Supervision (Pre-Commencement of Development)</i>
Page 9	2.6-2.9	<i>Installation of Protection Measures</i>
	2.10	<i>Arboricultural Inspection (Protection Measures)</i>
Page 10	2.11	<i>Detail for Default Specification of Protective Barrier</i>
	2.12	<i>Detail for Alternative Specification of Protective Barrier</i>
Page 11	2.13	<i>Construction Phase</i>
	2.14-2.16	<i>Installation of Services</i>
	2.17	<i>Main Site Construction Works</i>
	2.18	<i>Construction Activity Finished</i>
Page 12	2.19-2.21	<i>Snagging</i>
Page 13	<b>3.0</b>	<b>KEY PERSONNEL</b>
Page 14	<b>4.0</b>	<b>SUMMARY AND PHASING OF WORK</b>

## APPENDICES

Appendix "A" **Tree Protection Plan**

*Note: A copy of this method statement must be permanently available on site for the duration of development activity*





## 1.0 INTRODUCTION

1.1 The purpose of this method statement is to evaluate the direct and indirect effects of the concept design/layout and to ensure good practise in the protection of trees during construction as development phases are brought forward.

1.2 EQUANS Arboricultural Consultancy have been instructed by agent Robert Doughty Planning Consultancy on behalf of client South Holland District Council, to prepare this Arboricultural Method Statement and Protection Plan for this proposed development, based on the recommendations and guidance outlined within the BS 5837:2012 '*Trees in relation to design, demolition and construction – Recommendations*'.

1.3 This method statement should be included as part of the specification and schedule of works and issued to all relevant parties including the building contractor and sub-contractors.

### 1.4 ***Scope of Recommendations and Techniques***

An arboricultural consultant should be appointed by the developer for advice on the tree management for the site and to attend meetings, as set out within this method statement.

### 1.5 ***Description of Development***

The Food Enterprise Zone and Local Development Order - Delivery of the Holbeach Food Enterprise Zone (FEZ). The Holbeach FEZ is expected to deliver accommodation for new, relocated and expanding companies. The Local Development Order (LDO) will facilitate the delivery of new development by granting outline planning permission for a range of appropriate uses, subject to planning conditions. The FEZ site lies to the southwest of the A151/A17 junction, known as Peppermint Junction to the west of Holbeach.

1.6 This site is subject to a 'Local Development Order', helping set the planning framework for this site and bring forward development. The Local Development Order (LDO) will facilitate the delivery of new development by granting outline planning permission for a range of appropriate uses. The 'Local Development Order' provides outline planning permission only for a mixture of uses. It does not remove the need to obtain statutory consents that may be subject to a range of planning conditions. As new development is brought forward the protection measures on trees may vary. It would be reasonable to suggest that any variations to this generic method statement can be dealt with as Reserved Matters.



### 1.7 **Site Description**

The site is located along the eastern fringes of the town of Holbeach. Holbeach is a market town and civil parish in the South Holland District in Lincolnshire. The town lies 8 miles (13 km) from Spalding; 17 miles (27 km) from Boston; 20 miles (32 km) from King's Lynn; 23 miles (37 km) from Peterborough; and 43 miles (69 km) by road from Lincoln. Holbeach is on the junction of the A151 and A17. The proposed development site lies to the southwest of the A151/A17 junction, known as Peppermint Junction to the west of Holbeach.

1.8 The sites development 'red edge' consists of 3 compartments, one that extends to approximately 12ha and others approx.0.6ha each. The northern boundary of the site runs to the south of the A17, and the eastern boundary follows a ditch line behind the footway along the A151. The southern boundary follows the southern line of a track along the field boundary, beyond which is a residential caravan site. The western boundary runs along the field boundary to a further field boundary, running approximately eastwards towards the A17. The north-east corner of the site is occupied by the Distillery Farm buildings, part of which are now occupied by Frontier, an agricultural supply firm. The rest of the site is in agricultural use, characterised by fields, dykes, hedge lines, trees and small wooded copses.



**2.0 ARBORICULTURAL METHOD STATEMENT (AMS)**

**2.1 Pre-Development Tree Work**

Prior to any construction activity taking place the recommended tree works should be completed.

**2.2 Specification of Tree Works**

In accordance with the concept design/layout tree works are required, as specified, (see '2.3/2.4 – 'Schedule of Tree Works' below and Appendix "A" - 'Tree Retention and Removal Plan' of the Arboricultural Impact Assessment (AIA). Reference should also be made to the details within the original formal Arboricultural Report and the AIA.

**2.3 Schedule of Tree Works**

KEY	
	Tree to be removed
	Tree identified for remedial work
	No work recommended

Individual Trees:	
<b>T1</b>	Fell
<b>T2</b>	No Works Recommended
<b>T3</b>	Fell
<b>T4</b>	Fell
<b>T5</b>	Fell
<b>T6</b>	No Works Recommended
<b>T7</b>	No Works Recommended
<b>T8</b>	No Works Recommended



2.4 **Schedule of Tree Works (cont.)**

<b>Individual Trees:</b>	
<b>T9</b>	No Works Recommended
<b>T10</b>	Fell
<b>T11</b>	Fell
<b>T12</b>	No Works Recommended
<b>T13</b>	No Works Recommended
<b>T14</b>	Fell
<b>T15</b>	Clean out dead wood
<b>Groups of Trees:</b>	
<b>G1</b>	Fell
<b>G2</b>	Clean out dead wood
<b>G3</b>	Clean out dead wood
<b>G4</b>	Clean out dead wood
<b>G5</b>	No Works Recommended
<b>G6</b>	No Works Recommended
<b>Woodland</b>	
<b>W1</b>	Woodland would benefit from 'general management'
<b>W2</b>	Woodland would benefit from 'general management'
<b>W3</b>	Woodland would benefit from 'general management'
<b>W4</b>	Woodland would benefit from 'general management'

*Note: Competent contractors must be appointed. All works should be carried out in accordance with the BS 3998:2010 Tree Work – Recommendations*

*Note: All tree works must be completed to the satisfaction of the Local Authority Tree Officer before any other works begin*

## 2.5 ***Arboricultural Supervision (Pre-Commencement of Development)***

A pre-commencement meeting should be held on site before any site clearance, ground works demolition and construction work begins. This would normally be attended by the site manager, the arboricultural consultant and a local authority ("LA") representative, preferably the Local Authority Tree Officer. In the event that an LA representative declines to be present, the arboricultural consultant should inform the LA in writing of the details of the meeting. This meeting should include the following:

- Inspection of pre-development tree works to ensure works have been carried out in accordance with the approved specification of works and has been carried out to the correct standards, i.e., BS 3998:2010 'Tree work – Recommendations'.
- Any additional tree works expected outside of the approved specification of works will be agreed and recorded.
- All protection measures detailed in this method statement should be fully discussed so that all aspects of implementation and sequencing are understood by all the parties.
- Any specialist engineered methods should be fully discussed so that all aspects of implementation and sequencing are understood by all the parties.
- The details of the programme of protection and no-dig solution, if required, should be agreed and finalised.
- Any site supervision arrangements between the arboricultural consultant and developer should be agreed and finalised. Including any site visits deemed necessary, by a local authority ("LA") representative.





## 2.6 ***Installation of Protection Measures***

2.7 Prior to construction activities taking place retained trees will be protected in accordance with appendix 'A', plan reference TPP-24123-00. Trees will be protected by barriers as described in appendix "A". The positioning of the barriers is also shown in appendix "A". The barriers will form an exclusion zone that will be regarded as sacrosanct. Vertical barriers will be installed as soon as the pre-development tree work is complete. Once erected the barriers should be regarded as sacrosanct and should not be removed or altered without approval from the LPA.

2.8 The barriers should be fit for the purpose of excluding all construction activity. For this site the barrier should consist of a vertical and horizontal scaffold framework, well braced to resist impact. The vertical tubes should be spaced at a minimum interval of 3m and driven securely into the ground. Onto this framework weld mesh panels should be securely fixed (see Appendix "A"). All weather notices should be attached to the barrier with words such as "*Construction Exclusion Zone – KEEP OUT! Removing or moving these barriers may result in a breach of planning conditions*".

2.9 The primary concern for the protection of trees on this site is to protect, improve and maintain the trees micro-environment /root system and to avoid any physical damage

## 2.10 ***Arboricultural Inspection (Protection Measures)***

Once the protective barriers have been installed, prior to any other works taking place on site, all tree protective measures will be checked and approved in writing by the appointed arboricultural consultant and/or the Local Authority Tree Officer. Arrangements will be made at a convenient time for the arboricultural consultant and/or Local Authority Tree Officer to carry out an inspection of the site.



**2.11 Detail for Default Specification of Protective Barrier**

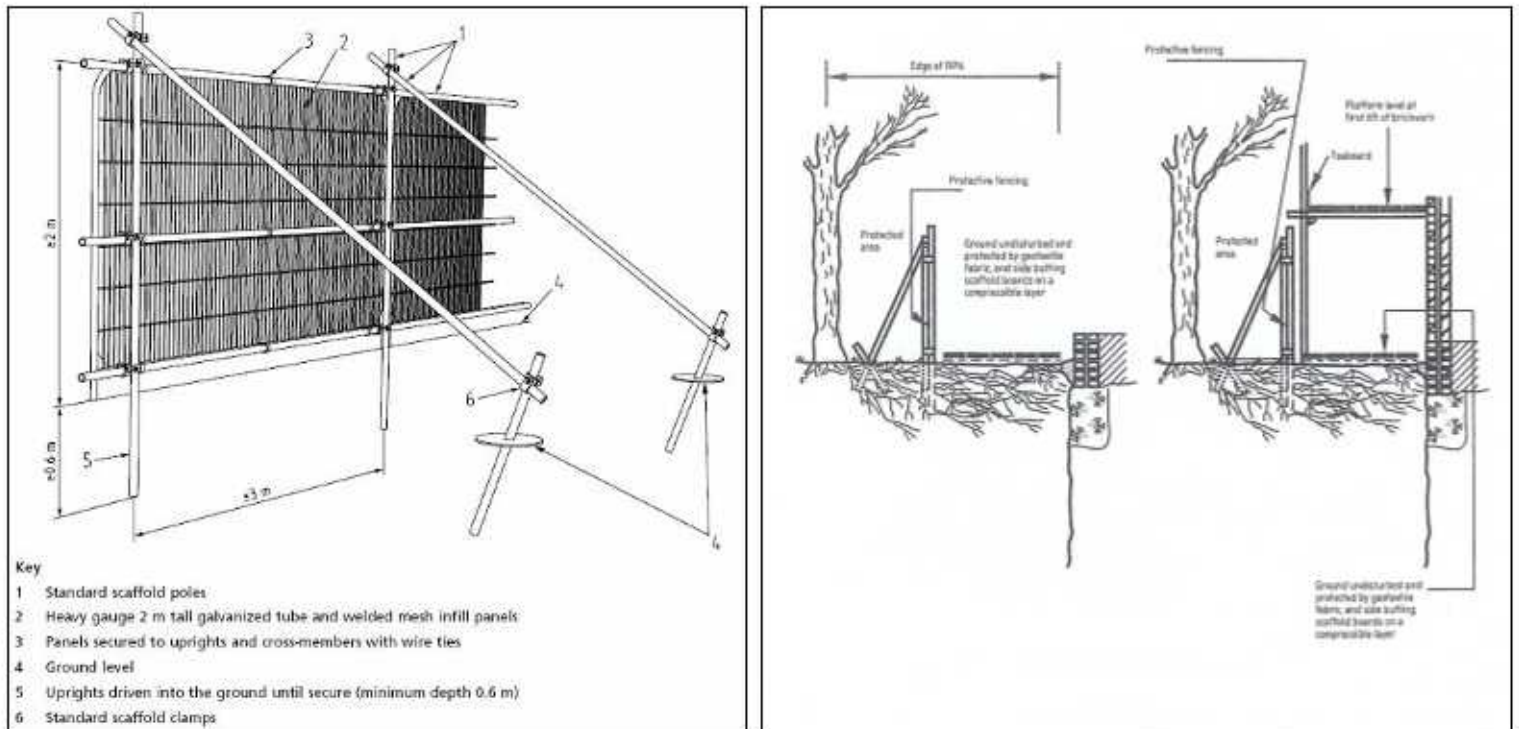


Image source: © The British Standards Institution - *BS 5837:2012 Trees in relation to design, demolition, and construction – Recommendations* – alternative specification for protective barrier

**2.12 Detail for Alternative Specification of Protective Barrier**

The alternative specification of protective barrier should only be used where site circumstances dictate. Where the alternative specification is considered necessary, prior to installation, this must be agreed by the Local Planning Authority.

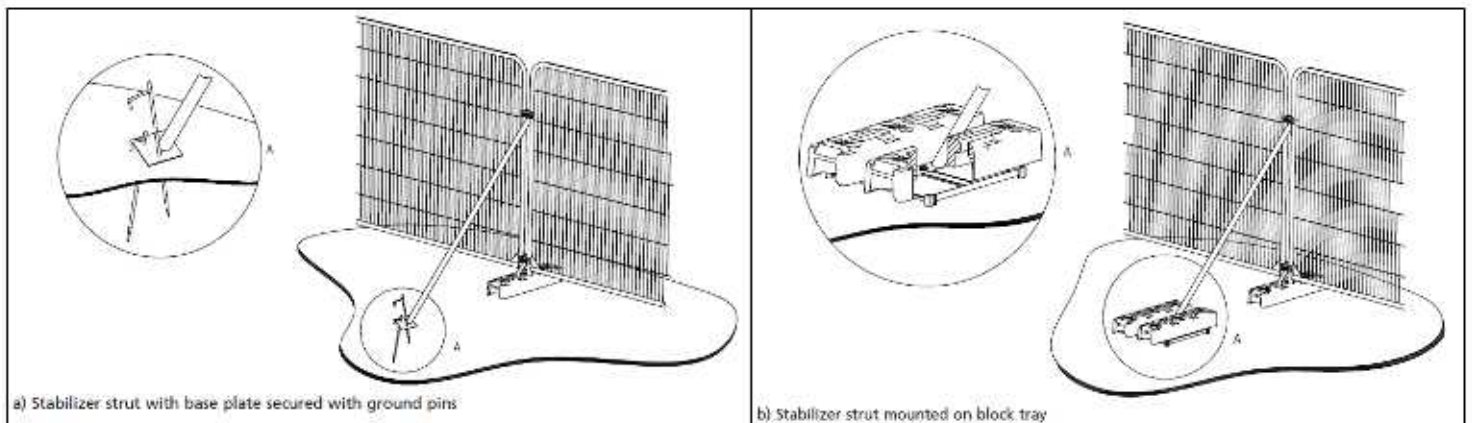


Image source: © The British Standards Institution - *BS 5837:2012 Trees in relation to design, demolition, and construction – Recommendations* – alternative specification for protective barrier



### **2.13 Construction Phase**

Prior to works starting all site personnel including sub-contractors should be inducted in the requirements expected in order to ensure the future health of trees. There may be variations to this generic scheme of protection, subject to the phases of development being brought forward. Any variations to this scheme of protection must be agreed by the LPA Tree Officer and modifications secured through the use of appropriate 'Planning Conditions'.

### **2.14 Installation of Services**

When considering development for this site the installation of services must be kept as far as practically possible from the root protection area (RPA) of retained trees.

**2.15** Trenching by conventional means, using a mechanical excavator, inevitably causes root loss, as the bucket easily rips through roots. For services such as foul, surface, electric, gas, BT etc., the most practical solution would be to run all services through one trench. Where encroachment into the RPA cannot be avoided trench-less techniques should be adopted. An alternative would be to hand dig a trench minimising the cutting of roots. Pipes and ducted cables can then be thread through enabling installation with very little damage, provided that the borehole is small and deeper than the main lateral roots.

**2.16** In the UK, the usual guidelines for trenching by utility companies are provided by NJUG Volume 4 (previously NJUG10), which is available to download at <http://www.njug.org.uk/publications/>. By agreeing to the guidelines to be followed during trenching, all parties are assured that problems can be solved using a common set of criteria. Supervisors from the appointed contractor should direct operatives to follow the agreed practices and it is quite likely that the Local Authority Tree Officer will monitor for compliance.

### **2.17 Main Site Construction Works**

Begin the main site works in accordance with an approved design/layout. The protective fencing will seal off the exclusion zone, as detailed in the Tree Protection Plan (App 'A'). The protective fencing on should only be removed once all the construction works are complete.

### **2.18 Construction Activity Finished**

On the completion of each construction phase and activity has finished on each particular phase, the tree protection measures can be removed. Any post development landscape finishes should take into account existing trees and any deep cultivation within the RPA of the trees should be avoided.



**2.19 Snagging**

During construction activities, should there be a need for any variations to the scheme of tree protection and/or methods and techniques, whether planned or reactive, these variations shall be agreed in writing by the Local Authority Tree Officer.

**2.20** During construction activities, in the event of incidents likely to result in the loss of trees that are to be retained then the site manager shall notify the appointed Arboricultural Consultant and LPA Tree Officer of the incident within 48 hours.

**2.21** The protective measures will seal off the exclusion zone and preserve the existing ground conditions, as detailed in the Protection Plan (Appendix "A"). The protection measures should only be removed once all construction activities are complete.



### 3.0 KEY PERSONNEL

A list of the known contact details of the relevant parties is as follows:

Role	Name	Company
<b>Client</b>	Paul Jackson (Executive programme Manager)	South Holland District Council Council Offices Priory Road Spalding Lincolnshire PE11 2XE Telephone: 01526 351833 Email: Paul Jackson <a href="mailto:pauljackson@sholland.gov.uk">pauljackson@sholland.gov.uk</a>
<b>Agent</b>	Mike Braithwaite (Town Planner)	Robert Doughty Planning Consultancy 32 High Street, Helpringham, Sleaford, Lincolnshire NG34 0RA Telephone: 01529 421646 Email: Mike Braithwaite <a href="mailto:m.braithwaite@rdc-landplan.co.uk">m.braithwaite@rdc-landplan.co.uk</a>
<b>Arboricultural Consultant</b>	Andrew Hudson	EQUANS Arboricultural Consultancy New Oxford House 2 George Street Grimsby North East Lincolnshire DN31 1HB Mob. +44 (0) 07919 304 536 Email. <a href="mailto:andrew.hudson@engie.com">andrew.hudson@engie.com</a>
<b>Tree Officer – Local Authority South Holland District Council</b>	Diane Fairchild Fenton	South Holland District Council Council Offices Priory Road Spalding Lincolnshire PE11 2XE Tel. 01775 764483 Email. <a href="mailto:dfairchild@sholland.gov.uk">dfairchild@sholland.gov.uk</a>

#### 4.0 SUMMARY AND PHASING OF WORK

Action	Summary of Detail
<p><b>Pre-Development Tree Work –</b> Prior to any construction activity taking place the recommended tree work should take place</p>	<p>As specified within this Arboricultural Method Statement - 'Schedule of Tree Work' pg. 6/7 (2.3-2.4) – Works to trees</p>
<p><b>Arboricultural Supervision –</b> A pre-commencement meeting should be held on site before any of the site clearance, ground works and construction work begins</p>	<ul style="list-style-type: none"> <li>• Inspection of pre-development tree works to ensure works have been carried out in accordance with the approved specification of works and has been carried out to the correct standards</li> <li>• Any additional tree works expected, outside of the approved specification of works will be agreed and recorded</li> <li>• All tree protection measures detailed in this method statement should be fully discussed so that all aspects of implementation and sequencing are understood by all the parties</li> <li>• The details of the programme of tree protection should be agreed and finalised</li> <li>• All details, methodologies and techniques for the construction of hard surfaces / foundations shall be fully discussed.</li> <li>• Any site supervision arrangements between the arboricultural consultant and developer should be agreed and finalised. Including any site visits deemed necessary, by a local planning authority ("LPA") representative</li> </ul>
<p><b>Installation of Tree Protection Measures</b> Trees will be protected by barriers as described in appendix "A". The positioning of the barriers is also shown in appendix "A"</p>	<p>The barriers should be fit for the purpose of excluding all demolition/construction activity. Vertical barriers will be installed as soon as the pre-development tree work is complete. Once protection measures are installed, they should be regarded as sacrosanct and should not be removed or altered without approval from the LPA</p>
<p><b>Arboricultural Inspection –</b> Tree Protection Measures</p>	<p>All tree protective measures will be checked and approved in writing by the appointed arboricultural consultant and/or the Local Authority Tree Officer.</p>
<p><b>Construction Phase –</b> Once tree protective measures have been formally approved main site construction may begin</p>	<ul style="list-style-type: none"> <li>• Any variation to tree protective measures needs to be formally agreed.</li> <li>• Any variation to methods/techniques, design/construction needs to be formally agreed.</li> <li>• Any incidents of tree loss during development needs to be reported within 48hrs.</li> <li>• Tree protective measures should be regarded as sacrosanct and should not be removed or altered without approval from the LPA.</li> </ul>
<p><b>Construction Phase Complete</b> (following ALL construction activity)</p>	<p>The tree protective measures can be removed. Post development landscape finishes should still consider the trees below ground constraints.</p>

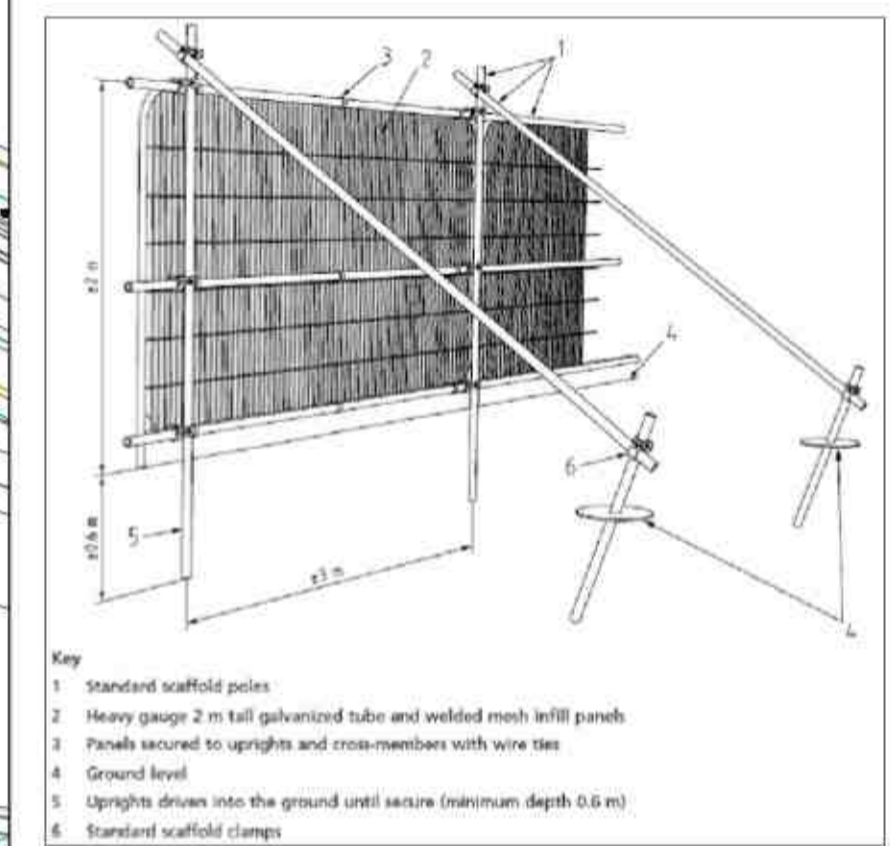


# Appendix "A"

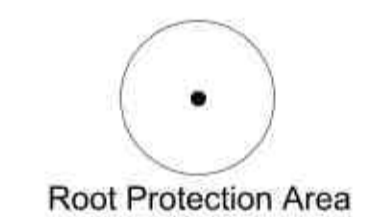
## Tree Protection Plan

**Tree Barriers:**  
 Barriers should be fit for the purpose of excluding construction activity from the root protection (RPA) area of retained trees. The barriers should remain rigid and complete throughout the demolition/construction phase.  
 BS 5837: 2012 - Trees in Relation to Design, Demolition and Construction recommends the barrier type specification is commensurate to site circumstances and associated risk of damage within the RPA of retained trees.  
 Pre-development site inspection should be carried out by an arboriculturalist or Local Authority Tree Officer to ensure protective measures are to the correct specification and fit for purpose. The Local Planning Authority should be made aware of any amendments.  
 Tree protective barriers protect the RPA of retained trees. Any contamination into these areas such as chemical, petrol, diesel and oil spillage should be avoided. The mixing of cement and use of toxic materials should have a designated area well away from tree barriers

Barrier Specification



Barrier Position



ARBORICULTURAL CONSULTANCY



New Oxford House  
 2, George Street  
 Grimsby  
 North East Lincolnshire  
 DN31 1HB  
 Tel: 01472 324271

CLIENT	South Holland District Council		
PROJECT	Commercial Development Land adj. A17/A151 junction, Holbeach, Lincs.		
TITLE	Tree Protection Plan		
DRAWN	DJM	CHECKED	AH
DATE	23rd January 2023	ORIGINAL SIZE	A1 (594 x 841)
FILE REF	AH-EQUANS	DRAWING NO.	TPP-24123-00
APPROVED	-	SCALE	1:1000
REVISION NO.	-		

**Tree protective measures should be erected before any materials or machinery is brought onto site and before any demolition, development or stripping of soil commences. Once erected, protection measures should be regarded as sacrosanct and should not be removed or altered without approval from the Local Planning Authority and recommendation of an arboriculturalist**

