



ARBORICULTURAL METHOD STATEMENT AND MONITORING SCHEDULE

This Arboricultural Method Statement describes who will take responsibility at each stage of construction and the methods and materials required to manage and protect the trees on site. It should be read in conjunction with the Tree Protection Plan. If you do not have this plan, contact info@belsontreesurvey.co.uk for a copy.

SITE ADDRESS

1 Cherry Holt Lane, Pinchbeck, Spalding

TEAM DETAILS

ROLE	NAME	EMAIL/ TELEPHONE
DEVELOPER	•	•
MAIN CONTRACTOR	•	•
SITE MANAGER	•	•
PROJECT ARBORICULTURALIST	• Andrew Belson	•
TREWORK CONTRACTOR	•	•
LOCAL AUTHORITY TREE OFFICER	•	•
PROJECT ECOLOGIST	•	•
DESIGNER	•	•
PROJECT ENGINEER	•	•
	•	•
	•	•
	•	•

SEQUENCE OF ACTIVITIES AND TEAM RESPONSIBILITIES	
THROUGHOUT:	• A schedule of arboricultural inspections and monitoring will be carried out by the Project Arboriculturalist. • The Site Manager will maintain a record of inspections. • The Project Arboriculturalist will record findings and recommendations and provide a copy to the Local Authority Tree Officer to demonstrate compliance. • The Project Arboriculturalist and Site Manager will sign off the completed schedule at the end of the project.
PRE-COMMENCEMENT SITE MEETING	• The Project Arboriculturalist will meet with the Site Manager and Treework Contractor to discuss the treework required. • The Project Arboriculturalist will mark trees for removal. • The Project Arboriculturalist will meet with the Site Manager and Main Contractor to discuss the methods of tree protection.
STAGE 1: ENABLING WORKS	• Tree work must be the first operation, before any other activity on site involving plant, machinery or materials. • The Project Ecologist must be involved. • On completion of the tree works, protective barrier and ground protection will be installed where shown on the Tree Protection Plan.
STAGE 2: CONSTRUCTION	• Tree protection measures will be in place and signed off by the Project Arboriculturalist and Site Manager before works commence. • The Site Manager will keep a copy of this Plan on site for reference during construction and for site induction where staff or contractors' work may implicate working near trees so they understand the purpose of the measures. • The Site Manager will assess the integrity of the protective measures as works progress. • Any shortcomings must be rectified to the original specifications immediately. • Once the tree protection for construction has been signed off, the foundations will be formed. • The Project Arboriculturalist will attend site during foundation excavation and all other construction works within the Root Protection Areas of retained trees.
STAGE 3: POST-CONSTRUCTION	• Protective barriers and any ground protection will be removed before landscaping work begins. • The Project Arboriculturalist will inspect the trees on and adjacent to the site and identify any remedial works that might be required. • A schedule of works will be produced (where necessary) and circulated to the Local Authority Arboriculturalist for approval. • The Tree Work Contractor will implement the works. • The Project Arboriculturalist will sign off the works and produce a Completion Certificate to the Local Authority Arboriculturalist.

STAGE 1 ENABLING WORKS

TREE WORKS

GENERAL

- Tree work is skilled and potentially dangerous work, which must be carried out by trained and certificated staff working to BS3998: 2010 and working in accordance with the various Regulations within the Health and Safety at Work Act 1974
- Contractors will have Public Liability Insurance (preferably £5 million) and Employer's Liability Insurance (preferably £10 million)
- Machinery and equipment must be maintained, inspected and operated in accordance with the various Regulations within the Health and Safety at Work Act 1974

WORK REQUIRED

- Remove the following trees:

REF.	SPECIES
1403	Tulip Tree
Group A (parts)	Beech, Cherry Laurel
Group C (majority)	Beech
1405	Holly
Group F	Beech
W1 – W5	Weeping Willow

- Cut perimeter hedges Group A and Group B to 2.4m high and 0.6m off the centreline.
- Lift the crown of Blue Atlas Cedar 1402 to 3.6m above existing ground level.
- Re-pollard Limes Group E back to previous pollard point.
- Lift the crown of Silver Birch 1404 to 4.5m above existing ground level.

STAGE 2 CONSTRUCTION

NO.	MATERIALS	NOTES
1	Weldmesh panels on offset support blocks with lateral struts	Once the treeworks are complete, a barrier to Fig 3 BS5837 will be erected where shown by the dashed blue lines on the Tree Protection Plan (see notes on barriers below)
2	Robust ground protection system	Ground within the root protection areas of trees that cannot be fenced will be protected with a hired-in sheeting system laid over a 50mm thick covering of chipped woodmulch before any construction starts and be retained in-situ until the end of the main development period. Areas for ground protection are shown by the blue crosshatch on the drawing.
3	Cellular confinement geoweb and no-fines aggregate	To construct the access and parking bays, the area denoted by the orange hexagonal hatch will be paved over the existing surface level so far as practical with the use of a cellular confinement system and finished with a water and air permeable surface. (see Notes on construction of access and parking bays below)

GENERAL PRINCIPLES OF SITE MANAGEMENT FOR TREE PROTECTION

- No fires will be lit on site
- No storage or discharge of materials within 5 metres of a tree bole.
- No mixing of cement or dispensing of fuel or chemicals within 10 metres of a tree bole.
- Any damage that occurs to the trees during construction will be rectified to BS3998: 2010.
- Trees must not be used as anchor points for winching or for supporting wires/cables.
- Plant will be re-fueled and serviced at least 10 metres from the edge of the Root Protection Areas.
- Any plant with known fuel or other fluid leaks will only be operated near the trees whereby the leaks can be retained in absorbent mats or trays.

BARRIERS

- Weather-proof notices stating: 'PROTECTED AREA – DO NOT ENTER' to be erected on barriers not less than 5m apart. (example on plan)
- Barriers will be securely fixed in position inside the protected area.
- Barriers will remain in place until the end of the main construction period.

SUITABLE GROUND PROTECTION SYSTEMS

- LIVE (formerly Eve) provide Trakway access systems in timber, aluminium or plastic for a variety of potential loads. See <http://www.livetrakway.com> for more details or call 08700 76 76 76).
- Alternatively, Ground-Guards provide a range of ground protection mats from lightweight to heavy-duty. See <http://www.ground-guards.co.uk> for more details or call 0113 267 6000).
- Start Traffic Ltd stock medium and heavy-duty ground protection mats with coarse tread patterns to provide traction in all weathers. See <https://starttraffic.uk/> for more details or call 01905 700 340)

INSTALLATION OF SERVICES

- The default location for any trenching for the installation of services or other excavations for soakaways etc. will be located at least 1m from the radial extent of the RPAs drawn.
- Excavations for services inside Root Protection Areas will be carried out under arboricultural supervision.
- Any roots found will be worked around where practical.
- Any damaged roots will be pruned back to a suitable union by the Project Arboriculturalist using a sharp hand saw or by-pass secateurs.

CONSTRUCTION OF ACCESS AND DRIVEWAYS

- The engineer will set out the area for finished levels that take account of the full depth of the geoweb and paved finish.
- The Project arboriculturalist will be in attendance for the installation of the no-dig surfacing.
- The vegetable layer of soil will be removed to a depth of no more than 75mm
- A filter membrane such as 'Terram 1000' will be laid over the excavated area.
- A cellular confinement geoweb of the appropriate profile depth will be laid over the membrane. Options include. Options include:
 - The Geoweb® Tree Root Protection System offered by Greenfix UK (see <http://greenfix.co.uk> for more details or call 01608 666027).
 - Cellweb® Tree Root Protection (TRP) from Geosynthetics Limited (see <http://www.geosyn.co.uk> or call 01455 617 139)
- The driveway edgings will be formed with timber edging boards supported by driven stakes.
- The cellular confinement system will be backfilled with 20-40mm no-fines graded stone and compacted, adding more aggregate as necessary to bring to level.
- The prepared surfacing will then be protected for the remainder of the main construction period with a filter membrane laid directly over the cellular confinement system that is capped with a 150mm sacrificial layer of MOT Type 1 or hired-in ground protection.
- The prepared surface will be finished in accordance with the Approved Materials at the end of the main construction phase

STAGE 3

POST CONSTRUCTION

- Once all the construction and hard landscaping works are completed and all plant and machinery has been taken off site, the protective barriers and ground protection will be removed before landscaping work begins.
- Soil cultivation within the previously protected zones will be carried out by hand only. No machine cultivation will take place within these zones whatsoever.
- Planting within the previously protected zones will be carried out by hand using hand tools only.
- Retained trees will be re-inspected post-development by a qualified arboriculturalist and any works arising carried out within the time limits specified.

NOTES ON PAVING

- Paving laid within root protection areas will be constructed with a minimum of excavation. Excavation will be limited to 50mm below the existing ground level.

INSPECTION AND MONITORING SCHEDULE				
KEY EVENT	ARBORICULTURAL ACTIVITY	TIMING	DATE COMPLETED	SITE MANAGER'S SIGNATURE
Treeworks	Tree marking and discussion with contractors	Before construction		
Tree protection measures	Inspect barriers and ground protection	Before construction		
Check barriers and signage	Ongoing site responsibility, Arb to check when present	During construction		
Main foundation excavations	Monitoring and supervision	During construction		
Construction of access and driveways	Monitoring and supervision	During construction		
Remove barriers	Inspect trees and specify remedial work.	Post construction		
ADDITIONAL				
Post-completion all arboricultural works can be signed off below:				
Arboricultural Consultant: Signature: Date:			Site Manager: Signature: Date:	