



**ArbTS - Arboricultural Technician Services Ltd**

(Tree Consultancy Services)

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## Arboricultural Report

Including:

Tree Protection Plan and Arboricultural Method Statement

To the British Standard 5837:2012  
*(Trees in relation to design, demolition  
and construction. Recommendations)*

Date – 13<sup>th</sup> November 2020

Site – Channel View, Cardiff

Project Reference – ArbTS\_827.2\_ChannelView

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## 1.0 Introduction

- 1.1 The purpose of this report is to provide details regarding the protection of retained trees during construction work at Channel View, Cardiff.
- 1.2 This report is to be read in conjunction with the original tree survey and arboricultural impact assessment tree report (*Reference: ArbTS\_827.1\_ChannelView*).

## 2.0 Arboricultural Method Statement

- 2.1 The Tree Protection Plan to facilitate the construction of the development design can be found in Appendix 1 of this report. The Tree Protection Plan must comply with all of the following:
- Be regarded as sacrosanct and follow the sequence of events as detailed in the table below
  - Be installed before commencement of any demolishing or construction works on site
  - Must not be removed or altered without prior approval of the local planning authority
- 2.2 The following table below provides a detail sequence of events that must occur in order to ensure the protection of the retained trees during all stages of the construction process. These methods must be clearly communicated to the entire construction team prior to commencement of any work on site.

Stage	Arboricultural Method Statement (In sequence of events)
1.) Preconstruction (Prior to any construction work on site including demolition work, site material storage etc.)	1.1 – <b>Design</b> areas for <b>construction site storage</b> by site supervisor and the appointed Arboriculturist.
	1.2 – <b>Design</b> position, form and construction methods of <b>all utility services</b> with Arboricultural consideration. All underground service designs <b>MUST</b> conform to the NJUG Volume 4 Guidelines for the Planning, Installation and Maintenance of Utility Apparatus in Proximity to Trees. The full document is available at <a href="http://www.njug.org.uk/">http://www.njug.org.uk/</a> . Local Planning Authority to be consulted on utility service design details and if satisfied to be approved in writing prior to installation during the construction phase.
	1.3– <b>Tree surgery work</b> to be carried out as detailed on the Tree Protection Plan (Appendix 1) of this report and to the <i>British Standard:3998:2010: Recommendation for tree works</i> .
	1.4 – <b>Tree protective fencing and tree trunk protection</b> installed in the position and form as detailed in the Tree Protection Plan (Appendix - 1). Installation to be supervised by the appointed Arboriculturist. All weather tree construction exclusion zone posters to be secured to fencing at regular intervals.
	1.5 – <b>Site storage area containers</b> etc. installed as designed and supervised by site supervisor and the appointed Arboriculturist.

	<b>1.6 – Appointed Arboriculturist to document</b> all tree protection methods in situ and photographs taken for reference purposes. Copy of document report sent to all parties. Any required preconstruction tree protection planning conditions to be discharged.
<b>2.) Construction</b>	<b>2.1 – Site supervisor</b> to be <b>briefed</b> by the appointed Arboriculturist regarding the Tree Protection Plan/Methods and a laminated copy of the plan/methods to be secured onto the wall in the site supervisor’s office. Contact details of the appointed Arboriculturist, Council’s Tree Officer to be included. Emphasis made to site supervisor on the importance of the Tree Protection Plan/Methods and possible planning enforcement action (Stop Notice) and/or legal action of noncompliance with these tree protection methods.
	<b>2.2 – All contractors</b> to be <b>briefed</b> by site supervisor and/or the appointed Arboriculturist regarding the tree protection plan and methods before starting work on site. Emphasis made to contractors on the importance of the Tree Protection Plan/Methods and possible planning enforcement action (Stop Notice) and/or legal action of noncompliance with these tree protection methods.
	<b>2.3 – Construction phase begins</b> with regular <b>site inspection visits</b> from the appointed Arboriculturist (Once per yearly quarter for the full duration) to ensure all tree protection methods are being adhered to. Arboriculturist to document findings from the site visits including any issues identified, how to resolve and photographic evidence. Document report to be sent to all parties within 1 week after the site visit.
	<b>2.4 - Tree Safe Construction</b> (Throughout Site) – areas outside of the construction exclusion zones as shown on the tree protection plan must adhere to the following: <ul style="list-style-type: none"> <li>• Building materials and fuels such as oil, bitumen or cement should not be stacked or discharged within 20 metres of the trees stem.</li> <li>• Fires will not be lit beneath any tree or in a place where flames could extend to within 10 metres of the tree.</li> <li>• Trees that are to be retained and be protected should not be used as anchorage for services or equipment.</li> <li>• The use of cranes and large machinery on site should be planned and care taken not to damage the trees during the process.</li> </ul>
	<b>2.5 – Unforeseen issues</b> which require the alteration of the Tree Protection Plan/Methods, required tree surgery work or immediate remedial work will be submitted to the Local Planning Authority for approval in writing.
<b>3.) Post Construction</b> ( <i>Once all construction work has been completed, this includes all utility services</i> )	<b>3.1 – Removal of all tree protection fencing and tree trunk protection</b>
	<b>3.2 – Hard and soft landscaping commence</b> All landscape team members to be briefed regarding tree protections by an Arboriculturist.
	<b>3.3 – Any required remedial tree action taken</b> , such as Leaf Mulch Application, soil de-compaction methods, contamination clean up etc. to be carried out.

### 3.0 Conclusion

- 3.1 Adhering to the tree protection details as found within this report the proposed development could be constructed without any significant long-term adverse impact onto the retained trees or the amenity of the area.

## 4.0 Further Information & Qualifications

Stephen Lucocq has been involved in Arboriculture within South Wales for over twenty years. He has worked as an Arborist for many of these years and has a good working knowledge of the practical side of the profession. He has always taken an active interest in all areas of Arboriculture and kept up to date with current research and developments.

### Qualifications

- First Class BSc (Hons) Degree – Combined Studies - Biology and IT
- Arboricultural Association Technicians Certificate – Level 4 - (Merit)
- PTI - Professional Tree Inspection (Lantra Awards)
- 2D Computer Aided Design (City and Guilds - Level 3)
- Quantified Tree Risk Assessment (QTRA) – Mike Ellison
- Visual Tree Assessment (VTA) – Mike Ellison
- Arboriculture and Bats (Lantra)
- Industrial Rope Access Trade Association (IRATA)
- Practical Arboriculture Qualifications (NPTC)

### Membership

- Arboricultural Association Professional Member (M.Arbor.A)

## 5.0 Web Information & Bibliography

### Web Information

- Arboricultural Association  
<http://www.trees.org.uk/>
- Cellular Confinement System  
**GeoWeb** - [GreenFix](#)  
**CellWeb** - [Geosynthetics](#) [Cellweb](#)
- Underground Utilises Installation  
<http://www.njug.org.uk/>

### Bibliography

- British Standards 3998 (2010) Recommendations for Tree Work UK; British Standards Intuition
- British Standard 5837:2012, Trees in relation to design, demolition and construction - Recommendations UK; British Standards Intuition
- Coombes, A.J (1992) Trees London; Dorling Kindersley
- Lonsdale, D (1999) Principle of Tree Hazard Assessment and Management Edinburgh; Forestry Commission
- Mattheck, C (2007) Field Guide for Visual Tree Assessment Germany; Karlsruhe Research Centre
- Shigo, A.L (1991) Modern Arboriculture USA; Shigo and Trees, Association
- Sterry, P (2007) Collins Complete British Trees London; Collins
- Strouts, R.G (2000) Diagnosis of ill-health in trees Edinburgh; Forestry Commission
- Weber, K & Mattheck, C (2003) Manual of wood decay UK; Arboricultural Association

## **6.0 Appendix 1 – Tree Protection Plan**



