Andrew Burden HNDip.arb
Tree Surveys
07719 734 990
andrewrburden@hotmail.co.uk
18a North Street, East Rainton, Houghton-le-Spring, Tyne & Wear, DH5 9QF

Title:	**BS:5837 Tree Survey, Arboricultural Impact Assessment (AIA), Arboricultural Method Statement (AMS) & Tree Protection Plan (TPP)**
Client:	**Fokhrul Islam**
Site:	**Marsden Cottage, South Shields, NE34 7AD**
Surveyor:	**Andrew Burden, HNDip.arb.**
Date:	**23 September 2025**

List of contents

1.0 Introductory details

1.1 The site was visited following a verbal request from Fokhrul Islam, the purpose of the visit being to collect arboricultural data to provide a tree survey based upon the guidelines set out within the document BS:5837 (2012) Trees in relation to design, demolition & construction recommendations (BSI London 2012).

1.2 The trees surveyed are situated within the site boundary.

1.3 All trees were visually inspected and surveyed from ground level. Assessment of the trees condition is based upon visual tree assessment (VTA). Tree heights were measured using a Haglof digital clinometer, other measurements taken with the use of specialist tapes.

1.4 All trees surveyed are assessed in accordance with sections 4.4 & 4.5 of BS:5837 (2012). Trees are allocated a retention category and colour code reference based upon their quality and value within the existing context. These are:

* **Category A** – Trees of high quality with long term future potential – Green

* **Category B** – Trees of moderate quality, medium term future potential – Blue

* **Category C** – Trees of low-quality, short-term future potential – Grey

* **Category U** – Trees in such condition they cannot be realistically retained for longer than ten years - Red

1.5 The surveyor Mr. Andrew Burden is an arborist with thirty seven years industry experience, qualified to HND level in arboriculture and woodland management (Houghall Collage, Durham 1994 – 96).

1.6 We have been provided with the proposed site drawings, the proposed development works are demolition of the existing building and construction of a new dwelling.

1.7 Full details relating to the trees current physiological and structural condition are contained within the BS:5837 (2012) Tree Survey Data Sheets (Appendix 7.1).

1.8 This independent report is based upon arboricultural merit alone.

2.0 Protected status of trees

2.1 Desk based study carried out on 23 September 2025 of the South Tyneside Council online protected trees information shows the site is not within the boundary of any Conservation Area. We have emailed Planning at South Tyneside Council to request information regarding any Tree Preservation Orders (TPO) that may be present and are awaiting a reply. As such no tree works recommended within this report should be carried out until information is received back from planning.

3.0 Discussion

3.1 The site is currently Marsden Cottage with lawn gardens to the rear of the property with scattered, mainly perimeter trees of mixed species.

3.2 To allow space for the demolition and construction of the proposed development 3 x Category C and 3 x Category B trees would require removal to allow space for storage of plant, machinery and construction materials.

4.0 Arboricultural Impact Assessment (AIA)

4.1 The Arboricultural Impact Assessment (AIA) considers the following factors in relation to the proposed development;

* Tree location.

* Ground conditions

* Likely tree root morphology.

* Current dimensions & future growth

* The tolerance of the trees in relation to possible disturbance based on species, age and condition.

4.2 **Above ground impacts**

4.3 Care should be taken throughout the period of proposed development to prevent any spillage of liquid construction materials (fuel, cement / concrete washings etc) from entering the area of soil close to the tree protection areas. These materials can have a harmful effect upon a tree's health. Spill kits should be available on site, of a sufficient size to immediately deal with any accidental spillages. Any liquid construction materials should be stored and mixed well away from the tree protection areas.

4.4 All construction staff working on the proposed development project should be clearly briefed on these recommendations prior to commencing works on site.

4.5 Below ground impacts

4.6 We assume that the existing property services will be able to be utilised for the proposed development but offer the following advice should any new service installation be required.

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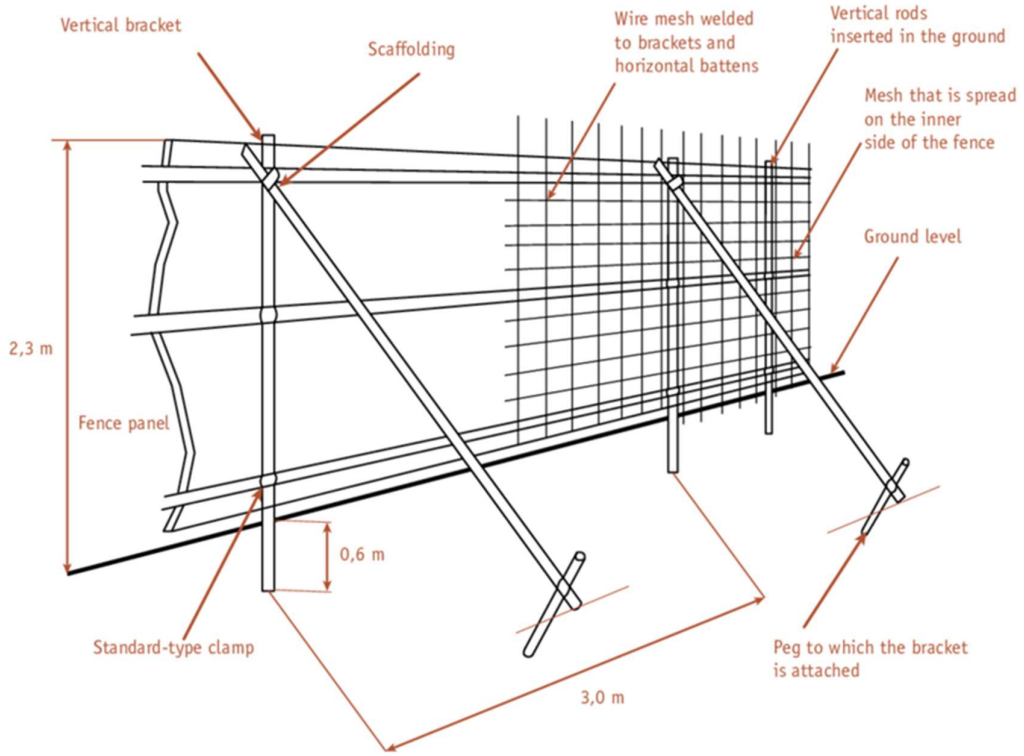
4.7 Service runs where possible should be grouped together and routed away from the tree protection zones.

4.8 The National Joint Utilities Group (NJUG) guidelines for the planning and installation of services in proximity to trees should be adhered to.

4.9 Site specific Arboricultural Impacts & Solutions

4.10 **Potential Impact:** Damage to the tree's rooting zones or tree roots during construction phase.

Solution: Install tree protection fencing in the location given in the Tree Protection Plan (appendix 7.5) to the following specification.



4.11 **Additional Precautions**

* Any excavation required within any RPA should be carried out by hand under arboricultural supervision following the provision of an Arboricultural Method Statement (AMS).

* No lowering or raising of site levels within the RPA for any purpose.

* No storage of plant or materials within or adjacent to the RPA.

* No storage or handling of any chemical construction materials including cement within or adjacent to the RPA.

* No vehicle access to the RPA.

* No substances injurious to tree health including fuels, oil, bitumen, cement, builders sand, chemicals or concrete mixing shall be carried out or stored, within or adjacent to the RPA.

* No fires should be lit on site at any time.

4.12 Sequence of operations

Stages	Action	Arboricultural Input
1. Approval	Tree Survey, AIA, AMS, TPP submitted to and approved by the LPA.	Liaise with LPA if required.
2. Arboricultural works	Remove Tree No's: 0287, 0288, 0296, 0297, 0298 & 0299 ensuring no accidental damage to trees being retained.	

3. Installation of tree protection fencing.	Install tree protection fencing as per appendix 7.6 in the location as given in appendix 7.5 Tree Protection Plan.	Site visit to assess suitability and position of tree protection fencing.

5.0 Arboricultural Method Statement (AMS)

5.1 No proposed works are required within the Tree Root Protection Areas (RPA's) of any trees being retained, as such no site specific arboricultural Method statement is required but we would offer the following information.

5.2 No moving, alterations or construction works access is allowed to the fenced tree protection zones for any purpose.

5.3 Planning of site operations should take account of wide loads, tall loads and any plant with booms, jibs etc in order that they can safely operate without coming into contact with retained trees.

5.4 Any transit or traverse of plant in proximity to retained trees should be conducted under the supervision of a banksman to ensure that adequate clearance from trees is maintained at all times.

5.5 Drainage and utilities.

5.6 We assume that utility services are already installed within the existing building, should any further works to utility service runs be required the following shall apply.

5.7 Drainage and utilities are to be directed away from the trees which are being retained. Any overground services should be routed away from areas where they may interfere with the crowns of trees. Any new underground services should be grouped together where possible and routed away from tree RPA's. The National Joint Utilities Group

(NJUG) guidelines relating to the planning, installation and maintenance of utility services in proximity to trees should be considered when planning installing services.

5.8 Site Contacts.

Title	Name	Telephone	email
Client	Fokhrul Islam		Amirul2012@hotmail.com
Arboriculturist	Andrew Burden	07719 734990	andrewrburden@hotmail.co.uk
Project Architects	TBC		
Site Manager	TBC		

5.9 Site monitoring.

5.10 Whenever trees on or adjacent to a site have been identified for protection an auditable system of arboricultural site monitoring is required.

6.0 Conclusions

6.1 The proposed development can be achieved without impacting the health of the trees being retained by following the details set out within this report.

7.0 Appendices

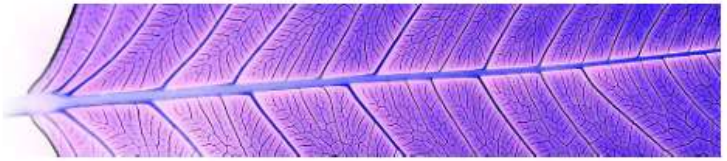
7.1 BS:5837 (2012) Tree Survey data sheets
7.2 Existing site map position of trees
7.3 Existing site map crown spread of trees
7.4 Existing site map Tree Root Protection Areas / RPA Plan
7.5 Proposed site plan / Tree Protection Plan
7.6 Specification for Tree Protection Fencing

Surveyor: **Mr. Andrew Burden, HNDip.arb**

Signed: 

Date: **23 September 2025**

BS5837 Survey Data



Ref.	Species	Measurements	General Observations	Category	Recommendations
T 0287	Goat willow (Salix caprea)	Height (m): 10 5 stems, avg.(mm): 250 Spread (m): 4N, 6E, 6S, 4W Crown Clearance (m): 1.5 Life Stage: Early Mature Rem. Contrib.: 20+ Years	5 x stems from 0.5 m above ground level. Included unions with some lower stem decay present, pegs & snags. Additional Comments: This tree may have to be removed to facilitate a proposed future development.	B2 RPA Radius: 6.7m. Area: 141 sq m.	
T 0288	Goat willow (Salix caprea)	Height (m): 8 2 stems, avg.(mm): 210 Spread (m): 5N, 5E, 4S, 5W Crown Clearance (m): 1.5 Life Stage: Early Mature Rem. Contrib.: 10+ Years	2 x stems from base largest diameter stem has an extensive lower stem decay column of around 1 m. Additional Comments: This tree will have to be removed to facilitate a proposed future development.	C1 RPA Radius: 3.6m. Area: 41 sq m.	
T 0289	Sycamore (Acer pseudoplatanus)	Height (m): 13 4 stems, avg.(mm): 280 Spread (m): 5N, 3E, 4S, 7W Crown Clearance (m): 3 Life Stage: Semi Mature Rem. Contrib.: 20+ Years	4 x stems, 2 with seam union. Multiple large diameter dead wood branches in lower crown along with some upper crown dieback. Additional Comments: This tree will not have to be removed to facilitate a proposed future development.	B2 RPA Radius: 6.7m. Area: 141 sq m.	
T 0290	Swedish whitebeam (Sorbus intermedia)	Height (m): 12 3 stems, avg.(mm): 240 Spread (m): 2N, 3E, 2S, 6W Crown Clearance (m): 1 Life Stage: Semi Mature Rem. Contrib.: 10+ Years	2 x smaller diameter stems have basal decay behind 1 m case hardened scars. Some upper crown dieback. Additional Comments: This tree will not have to be removed to facilitate a proposed future development.	C1 RPA Radius: 5.0m. Area: 79 sq m.	

Ref.	Species	Measurements	General Observations	Category	Recommendations
T 0291	Sycamore (Acer pseudoplatanus)	Height (m): 15 Stem Diam(mm): 760 Spread (m): 5N, 7E, 7S, 7W Crown Clearance (m): 3 Life Stage: Early Mature Rem. Contrib.: 30+ Years	Water and debris (leaf litter / soil) in scaffold limb crown break at 2 m. Dead wood throughout crown. Additional Comments: This tree will not have to be removed to facilitate a proposed future development.	B2 RPA Radius: 9.1m. Area: 260 sq m.	
T 0292	Norway spruce (Picea abies)	Height (m): 14 Stem Diam(mm): 360 Spread (m): 4N, 4E, 3S, 4W Crown Clearance (m): 1.5 Life Stage: Semi Mature Rem. Contrib.: 30+ Years	Sparse lower crown but otherwise fair. Additional Comments: This tree will not have to be removed to facilitate a proposed future development.	B2 RPA Radius: 4.3m. Area: 58 sq m.	
T 0293	Crack willow (Salix fragilis)	Height (m): 14 3 stems, avg.(mm): 380 Spread (m): 7N, 5E, 5S, 6W Crown Clearance (m): 1 Life Stage: Early Mature Rem. Contrib.: 10+ Years	Sparse crown multiple dead, wind damaged & hanging branches. 1 x stem has failed and is laying on the ground. Limited scope for safe future development. Additional Comments: This tree will not have to be removed to facilitate a proposed future development.	C1 RPA Radius: 7.9m. Area: 196 sq m.	
T 0294	Leyland cypress (X Cuprocyparis leylandii)	Height (m): 15 Stem Diam(mm): 510 Spread (m): 2N, 2E, 3S, 4W Crown Clearance (m): 0 Life Stage: Early Mature Rem. Contrib.: 10+ Years	Storm damaged hanging branch in upper crown. Additional Comments: This tree will not have to be removed to facilitate a proposed future development.	C1 RPA Radius: 6.1m. Area: 117 sq m.	
T 0295	Leyland cypress (X Cuprocyparis leylandii)	Height (m): 15 Stem Diam(mm): 470 Spread (m): 2N, 2E, 2S, 4W Crown Clearance (m): 1 Life Stage: Early Mature Rem. Contrib.: 10+ Years	Poor form, low quality tree. North side of crown bare due to loss of adjacent tree to North in the past. Additional Comments: This tree will not have to be removed to facilitate a proposed future development.	C1 RPA Radius: 5.6m. Area: 99 sq m.	

Ref.	Species	Measurements	General Observations	Category	Recommendations
T 0296	Swedish whitebeam (Sorbus intermedia)	Height (m): 10 2 stems, avg.(mm): 260 Spread (m): 3N, 5E, 5S, 0W Crown Clearance (m): 2.5 Life Stage: Semi Mature Rem. Contrib.: 10+ Years	2 x failed stem stumps to West, Ivy into high crown. Poor form, unbalanced, limited scope for safe future development. Decay within lower stem of Northern stem. Additional Comments: This tree will have to be removed to facilitate a proposed future development.	C1 RPA Radius: 4.4m. Area: 61 sq m.	
T 0297	Sycamore (Acer pseudoplatanus)	Height (m): 12 3 stems, avg.(mm): 340 Spread (m): 6N, 5E, 5S, 3W Crown Clearance (m): 2 Life Stage: Early Mature Rem. Contrib.: 20+ Years	3 x stems from base, Ivy into scaffold limbs. 2 x branch stubs with epicormic growth to East at 1.5 m & 2 m. Of otherwise fair overall condition. Additional Comments: This tree will not have to be removed to facilitate a proposed future development.	B2 RPA Radius: 7.1m. Area: 158 sq m.	
T 0298	Leyland cypress (X Cuprocyparis leylandii)	Height (m): 12 Stem Diam(mm): 200 Spread (m): 1N, 2E, 2S, 3W Crown Clearance (m): 1.5 Life Stage: Semi Mature Rem. Contrib.: 10+ Years	Poor form outgrown hedge comprising six individual stems, multiple branch failures due to exposed position. Additional Comments: These trees will have to be removed to facilitate a proposed future development.	C1 RPA Radius: 2.4m. Area: 44 sq m.	
T 0299	Common holly (Ilex aquifolium)	Height (m): 7 Stem Diam(mm): 200 Spread (m): 2.5N, 2E, 2.5S, 3W Crown Clearance (m): 1.5 Life Stage: Semi Mature Rem. Contrib.: 30+ Years	Suppressed by adjacent Leylandii but of otherwise fair overall condition. Additional Comments: This tree will have to be removed to facilitate a proposed future development.	B2 RPA Radius: 2.4m. Area: 18 sq m.	

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7.2 Existing Site Map Location Of Trees

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Fokhrul Islam, Marsden Cottage, South Shields, NE34 7AD

7.3 Existing Site Map Crown Spread Of Trees

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Fokhrul Islam, Marsden Cottage, South Shields, NE34 7AD

7.4 Existing Site Map Tree Root Protection Areas (RPA Plan)

Yellow Circles = Position Of RPA

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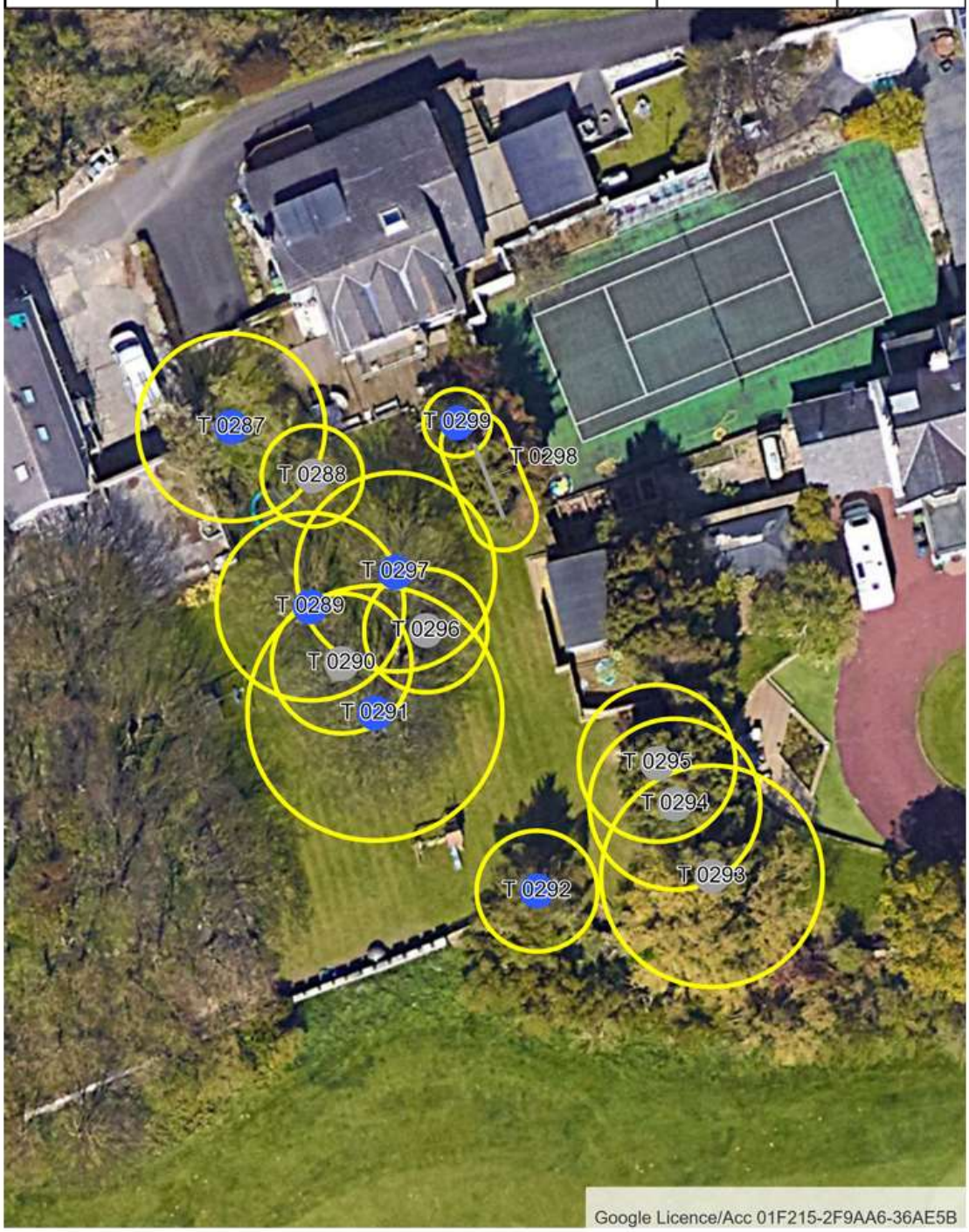
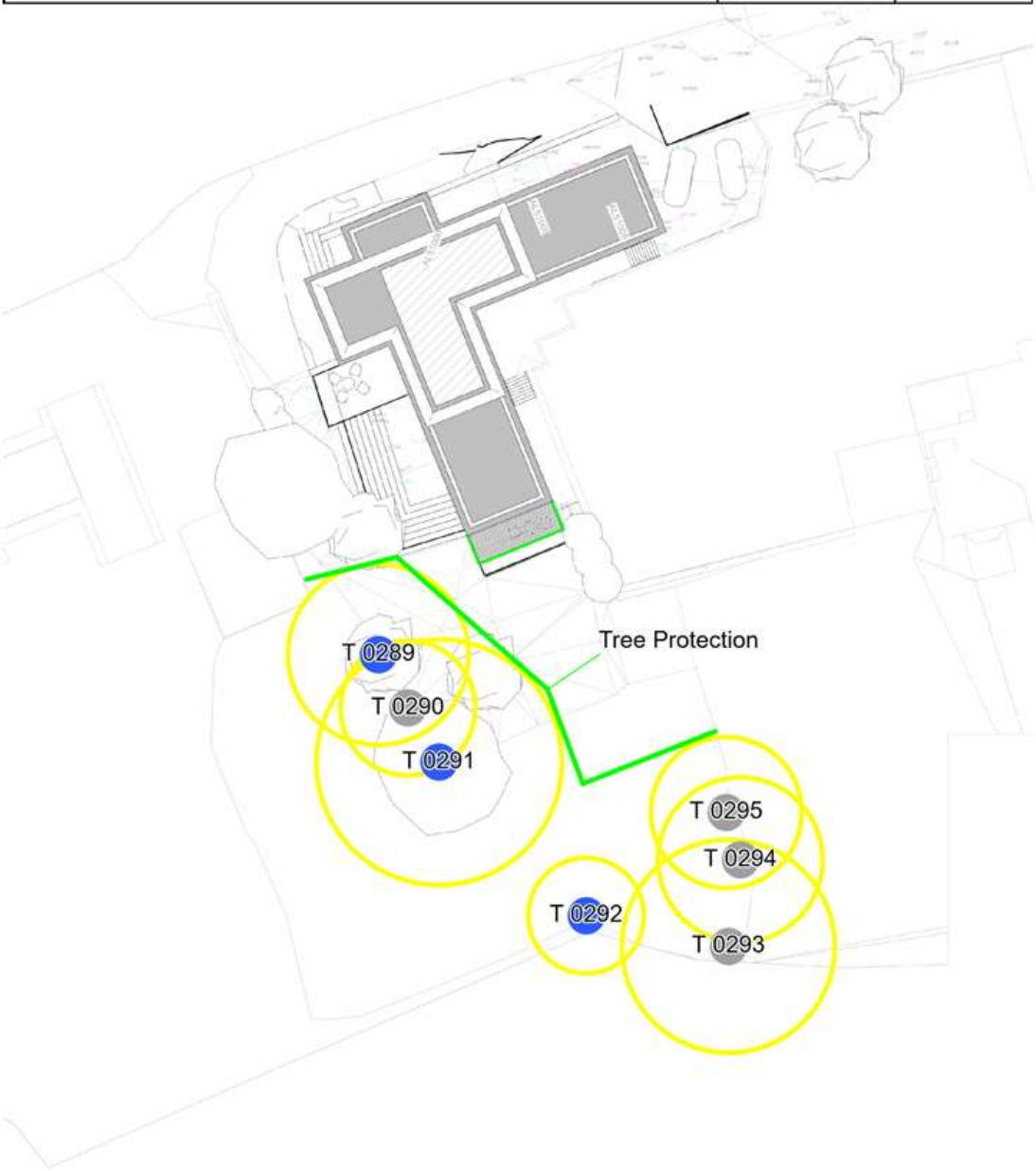


Fokhrul Islam, Marsden Cottage, South Shields, NE34 7AD 7.5 Tree Protection Plan Green Line = Required Position Of Tree Protection Fence	Page size: A4 1 : 402 0 5 m 10 m	N



7.6 Specification For Tree Protection Fencing