

IAIN TAVENDALE F.Arbor.A.

ARBORICULTURAL CONSULTANT

***Approved Development -
Erection of 30 Dwellings,
Land at Station Road, Skelmanthorpe,
Huddersfield, HD8 9BA.***

ARBORICULTURAL METHOD STATEMENT

METHOD STATEMENT FOR PROTECTION OF TREES DURING CONSTRUCTION.

ABOUT THE METHOD STATEMENT

This method statement has been prepared to ensure that the trees indicated for retention are properly protected throughout the approved construction and continue to represent a visual amenity in the future. It is intended to instruct contractors on methods which will help to avoid damage to the trees.

The method statement recommends all construction within influencing distance of trees is to BS5837:2012 Trees in Relation to Design, Demolition and Construction – Recommendations. Any pruning works must be to BS3998:2010 Tree Work - Recommendations and be undertaken by an approved arboricultural contractor. Any development affecting trees must be supervised by an approved arboricultural consultant – the Project Arboriculturalist.

GUIDELINES FOR FILLING IN THE METHOD STATEMENT

The method statement identifies: the order in which works are undertaken and the roles of various people involved; the contacts and others responsible for protection of trees; relevant plans and approvals; detailed methods of tree protection and details for monitoring site supervision.

The following information is therefore submitted with this Statement or has been submitted as part of the application bundle:

- Site Layout.
- Tree Protection Plan.
- Tree Protection – Methodologies & Considerations.
- Sheet for monitoring site supervision.

This method statement has been prepared in respect of planning conditions attached to the approved scheme. Failure to adhere to the agreed methods for development may therefore result in a Breach of Condition Notice being served.

2.

METHOD STATEMENT

The people listed below are those with a responsibility for tree protection on the site and from the Local Authority. The relevant people should be contacted in the event of a problem.

SITE NAME Land at Station Road, Skelmanthorpe, HD8 9BA.

PROJECT ARBORICULTURALIST Iain Tavendale F.Arbor.A.

CONTRACTOR Yorkshire Country Properties.

ADDRESS Suite 3
39 Huddersfield Road
Holmfirth
HD9 3JH

TELEPHONE NUMBER 01484 599455

APPLICATION NUMBER 2019/62/91656/E

PLANNING CONDITION NUMBER 13

13. Prior to the commencement of development (including ground works), an Arboricultural Method Statement and a Tree Protection Plan (accounting for the amendments required under condition 14) shall be submitted to and approved in writing by the Local Planning Authority. The development shall be carried out in accordance with the documents so approved. Reason: To protect trees in the interests of visual amenity and biodiversity and to accord with Policy LP33 of the Kirklees Local Plan. This pre-commencement condition is necessary to ensure that details of tree protection measures are agreed at an appropriate stage of the development process.

AGREEMENT TO PROTECT TREES

The Developer has agreed to undertake tree protection to the standard advised in the method statement.

PROTECTED AREA

The trees are protected within fencing erected as identified in the attached notes. To avoid damage, **the following points MUST apply within the protected area:**

1. No material should be stored.
2. No cement, diesel or oil should be stored.
3. No vehicles should pass or be parked.
4. No ropes, cables, services or notice boards should be fixed to existing trees.
5. No levels should be changed.
6. No fires should be started with 5m of the protected area.
7. No services should be laid without prior approval and proper supervision.

METHOD STATEMENT

ORDER OF WORKS

	WORKS TO BE UNDERTAKEN	DATE APPROVED	ACTIONS BY
1	Method statement received and approved by Local Authority		Developer. Local Authority Tree Officer.
2	Tree Protection erected as per Tree Protection Plan utilising guidance within BS5837 Fig 2. Ground protection to be installed utilising Ground Guard System or that detailed in BS5837 section 6.2.3.3.a.		Developer
3	Local Authority advised details of Project Arboriculturalist, of completion of fencing and photographic evidence provided for their records.		Developer
4	Site (Toolbox) meeting with Project Arboriculturalist to go through Method Statement and ensure that all parties are fully conversant with all procedures and methodologies, clarify any queries and establish contacts.		Developer, Project Arboriculturalist & Architect.
5	Construction commences.		Developer
6	Tree Protection Fencing and ground protection monitored on a weekly basis, record sheet completed and any repairs adjustments to be completed to full specification		Developer / Project Arboriculturalist
7	Consultant or Local Authority Tree Officer to be contacted should any problems/complications arise. Work in vicinity of trees to cease until issues are resolved and agreed works confirmed to Local Planning Authority.		Project Arboriculturalist Developer
8	If encroachment within any adjacent and unprotected root zones is required for whatever purpose access <u>may</u> be permitted subject to a		Project Arboriculturalist, Developer

	suitable methodology being submitted and approved by the LPA.		
9	When all construction equipment is cleared from relevant completed Plots, tree protection / ground protection to be removed so as to permit landscaping.		Developer
10	Final notification to be provided to KC Trees Section.		Project Arboriculturalist

Tree Protection Considerations – Station Road, Skelmanthorpe.

Introduction.

Approval exists for the construction of 30 houses on the site.

The approved plans indicate development within the proximity of retained trees – Plots 30, 23 & 24.

Tree protection fencing plus ground protection has therefore been indicated on the Tree Protection Plan to ensure the future viability of retained stock.

Tree Protection Fencing.

Fencing has been indicated that should be constructed to BS5837:2012 Trees in relation to design, demolition and construction - Recommendations Fig 2 – default specification, due to the level of activity that would be expected on site.

The fencing will be erected prior to commencement of any works on site – soil stripping or similar and will be retained until all construction works have been completed on the relevant plots or, is effectively excluded from the areas by the physical presence of the structures.

The Project Arboriculturalist will advise when the fencing can be removed and the LPA will be advised accordingly.

Only restricted space is afforded to the rear of Plots 23 & 24 for the erection of scaffolding. It is considered that any machinery can operate from the front of the site and materials delivered in a similar area.

Ground Protection.

Ground protection is proposed across areas to the rear of Plots 23 & 24 to permit limited access for scaffolding yet afford protection to the expected root protection areas of adjacent trees, all as indicated on the Tree Protection Plan.

A ground mat system should ideally be utilised, alternatively, a scaffolding board system as indicated in BS5837:2012 Trees in relation to design, demolition and construction – Recommendations.

NOTE The ground protection might comprise one of the following:

- a) for pedestrian movements only, a single thickness of scaffold boards placed either on top of a driven scaffold frame, so as to form a suspended walkway, or on top of a compression-resistant layer (e.g. 100 mm depth of woodchip), laid onto a geotextile membrane;*
- b) for pedestrian-operated plant up to a gross weight of 2 t, proprietary, inter-linked ground protection boards placed on top of a compression-resistant layer (e.g. 150 mm depth of woodchip), laid onto a geotextile membrane;*

All such considerations can only be determined on site at the time of commencement and will be dependent upon ground conditions, levels etc.

It should also be noted that if required for whatever reason, Ground Mats or a similar system would support the movements of a mini excavator or similar without harm to underlying soils all as per BS5837 Section 6.2.3.3 b.

All such methodologies are again in accordance with BS5837 Section 7.

All expected root protection areas can therefore be satisfactorily protected.

Tree Management.

At this time no significant tree management works such as pruning or crown lifting are required to implement the scheme. Works may however be implemented for health and safety purposes at some time in the future.

T1 & T2 are however protected under a TPO and it will therefore be necessary to submit a Tree Works Application and obtain any necessary consent before works can proceed.

The future viability of retained trees can therefore be assured.

4.

METHOD STATEMENT

CONTACTS

POSITION	NAME	ADDRESS	TELEPHONE NO.
Developer	Yorkshire Country Properties	Suite 3, 39 Huddersfield Road, Holmfirth, HD9 3JH	
Site Manager	TBC		
Arboricultural Consultant / Project Arboriculturalist.	Iain Tavendale	High Bank Farm, Earby, Lancs BB18 6LD	01282 853333
Local Authority Tree Officer	Trees Section – Joe Robertson, Arboricultural Officer	Kirklees Council	01484 414909

Method Statement Monitoring Form.

Land at Station Road, Skelmanthorpe.

[illegible]

Station Road, SKELMANTHORPE

Signage to attach to protective fencing.



Ground-Guards Tree Root Protection

The Ground-Guards temporary roadway system is frequently used on construction sites to protect the ground from erosion and damage by vehicles. Ground-Guards are usually installed as a roadway consisting of a parallel track of 2.4 x 1.2m panels with a 1.2m space in between. Where a temporary roadway must pass near to trees, the following extra precautions must be taken in order to provide cushioning for the ground under the tree canopy.

- 1 Edge rails of 200 x 50mm sawn timber should be installed where the trackway will pass under the tree canopy.
- 2 The edge rails should be staked on either side of the trackway using 50 x 50 x 500mm timber stakes at 1.5m spacings.
- 3 A layer of geotextile membrane should be laid to cover at least the area under the tree canopy, and preferably under the whole of the trackway.
- 4 A pad of Ground-Guards, three boards wide should be laid on top of the geotextile membrane, between the timber rails.
- 5 A 150mm deep layer of wood chippings should be laid.
- 6 The twin trackway can then be laid so that it rises over the wood chippings as it passes under the tree canopy. Extra Ground-Guard boards should be installed in the gap between the twin trackway at this point to retain the wood chips in place.



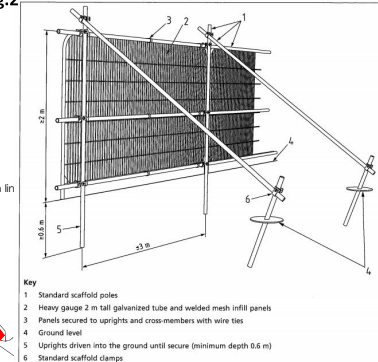
BS5837
Section 6.2.3.3

6.2.3.3 New temporary ground protection should be capable of supporting any traffic entering or using the site without being distorted or causing compaction of underlying soil.

NOTE The ground protection might comprise one of the following:

- a) for pedestrian movements only, a single thickness of scaffold boards placed either on top of a driven scaffold frame, or as to form a suspended walkway, or on top of a compression-resistant layer (e.g. 100 mm depth of woodchips), laid onto a geotextile membrane;
- b) for pedestrian-operated plant up to a gross weight of 2 t, proprietary, inter-linked ground protection boards placed on top of a compression-resistant layer (e.g. 150 mm depth of woodchips), laid onto a geotextile membrane;
- c) for wheeled or tracked construction traffic, exceeding 2 t gross weight, an alternative system (e.g. proprietary systems or pre-cast reinforced concrete slabs) to an engineering specification designed in conjunction with arboricultural advice, to accommodate the likely loading to which it will be subjected.

BS5837 Fig.2 Figure 2 Default specification for protective barrier



- Key
- 1 Standard scaffold poles
 - 2 Heavy gauge 2 m tall galvanized tube and welded mesh infill panels
 - 3 Panels secured to uprights and cross-members with wire ties
 - 4 Ground level
 - 5 Uprights driven into the ground until secure (minimum depth 0.6 m)
 - 6 Standard scaffold clamps

Ground Protection to
BS5837 Section 6.2.3.3
(Blue area)

Tree Protection Fencing
to BS5837 Fig. 2

Tree Protection Plan

to be read in conjunction with
Arboricultural Method
Statement.

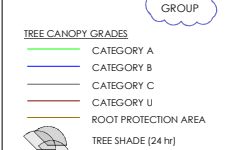
Iain Tavendale F.Arbor.A.
August 2021.

NOTES:

- ◇ GATE
- ◇ LOCKABLE GATE (SERVING REAR GARDEN ACCESS PATHS - KEY TO ALL THOSE PLOTS WHICH IT SERVES)
- REFUSE COLLECTION POINTS (600x750mm paving slab) 3 wheelie bins to be provided to each dwelling to Kirklees CC recycling/ collection policy.
- * STARTER HOMES

PARKING SCHEDULE - SKELMANTHORPE			
KIRKLEES COUNCIL REQUIREMENTS			
House type	Spaces	Plots	total
1 bed house	1	7	7
2 bed house	2	3	6
3 bed house	2	13	26
4 bed house	3	7	21
Visitors - 25%	0.25	30	7.5
TOTAL			67.5
ACTUAL PROVISION			
1 bed house	1	7	7
2 bed house	2	3	6
3 bed house	2	13	26
4 bed house	3	4	12
Visitors	4	3	12
TOTAL			71
OVER PROVISION			
includes garages of 6x3m			
			3.5

TREE SURVEY LEGEND



FOR FURTHER DETAILS OF TREES REFER TO
ARBORICULTURAL REPORT BY IAIN TAVENDALE.

ACCOMMODATION SCHEDULE	
TYPE	DESCRIPTION
AFFORDABLE 20% = 6 UNITS	
TYPE A	1 BEDROOM TERRACE HOUSE
PRIVATE UNITS	
TYPE A1	1 BEDROOM SEMI DETACHED HOUSE
TYPE B	2 BEDROOM SEMI DETACHED HOUSE
TYPE C	3 BEDROOM SEMI DETACHED HOUSE
TYPE C1	3 BEDROOM LINK DETACHED HOUSE
TYPE C2	3 BEDROOM SEMI DETACHED HOUSE RR
TYPE E	3 BEDROOM LINK DETACHED HOUSE
TYPE F	3 BEDROOM TOWNHOUSE (Split level)
TYPE G	4 BEDROOM LINK DETACHED HOUSE
TYPE H	4 BEDROOM DETACHED HOUSE
TYPE J	4 BEDROOM LINK DETACHED HOUSE
TYPE K	4 BEDROOM DETACHED HOUSE
TYPE L	4 BEDROOM DETACHED HOUSE RR
TYPE M	4 BEDROOM DETACHED HOUSE
TYPE N	4 BEDROOM DETACHED HOUSE
TOTAL	30



REV	DESCRIPTION	DATE
C.	Plots 19 to 27 amended in accordance with tree officer comments.	03/08/20
B.	Additional 3 parking spaces added.	27/10/20
A.	Amended to planning comments.	09/10/19

PARKER PEEL
ARCHITECTURAL

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Client
YORKSHIRE COUNTRY PROPERTIES

Project
PROPOSED RESIDENTIAL DEVELOPMENT AT
STATION ROAD,
SKELMANTHORPE

Title
SITE LAYOUT PLAN

Drw. No. 1902-SI-04 Scale 1:500@A2 Drawn RP Checked - Date 04/19 Rev. C.

SITE LAYOUT PLAN - Scale 1:500@A2