

## SPECIFICATION NO: 3.16

### Fencing – Post and wire – Barb or plain – Mild steel

#### I

#### **NORMAL USAGE**

##### I.1

Where the simple delineation of a boundary is necessary to show the extent of Woodland Trust ownership, and where some control over public access is required, such as internal woodland boundaries, boundaries along arable fields, roadside boundaries.

##### I.2

Fencing where required along permissive bridleways (plain wire only).

##### I.3

Stockproof fencing where the only stock will be beef or dairy cattle.

##### I.4

Suitable where a high tensile fence would be difficult to erect e.g. where long straight runs are not possible and/or where ground is very undulating; short runs of fencing and/or fencing with numerous changes of direction.

#### 2

#### **MATERIALS AND CONSTRUCTION**

Straining posts	2.13m x 15cm minimum top diameter (7ft x 6ins)
Struts	2.13m x 10cm minimum top diameter round timber (7ft x 4ins)
Intermediate posts	1.68m x 8-10cm minimum top diameter round post (5½ft x 3-4ins)
Line wires	Four strands, 2 ply 12.5g mild steel barbed wire, or (as specified by Woodland Trust) four strands of 8g mild steel plain wire
Staples	To be 3cm (1½ ins) 8g
Finished height	Approximately 1.09m (43 ins)

#### Construction

Strainers to be situated at change of direction (either horizontal or vertical) or maximum 50m (166ft) on straight run. Dug or driven 0.9m (3ft) into the ground. The strainer struts notched and nailed to straining posts. Struts to be notched one third of the distance from the top of the strainer to the ground and fixed with a section of post or large stone (not an intermediate post). Intermediate posts to be at 3m (10ft) intervals maximum.

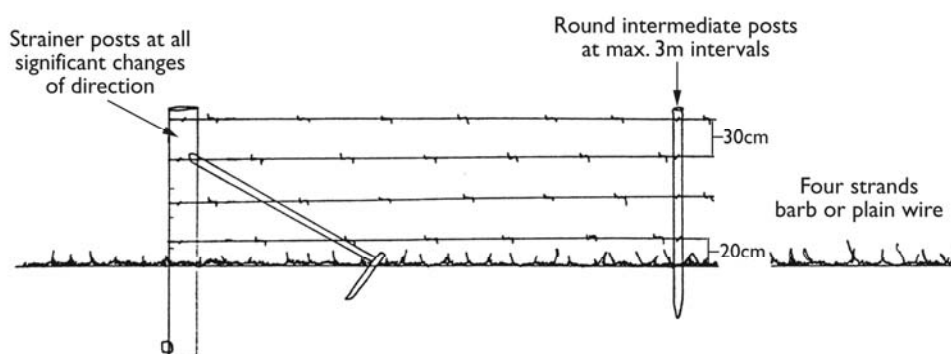
The line wire bottom strand to be 20cm (8 ins) above ground level, all other strands to be 30cm (12 ins) above lower strand.

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#### DIAGRAM



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#### FURTHER GUIDANCE NOTES

4.1

When assessing the work for tendering, the Contractor will consider the following and if necessary discuss the requirement with the Supervising Officer to adopt the following and quote accordingly:

- In difficult ground conditions, e.g. soft peat, loose gravel or shallow bedrock, it may be necessary to concrete straining posts or use a box strainer assembly.
- Longer intermediate posts may also be necessary on soft conditions.

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#### POSSIBLE AMENDMENTS

5.1

Where there is little risk of vandalism and only the minimum of fencing is required, just two lines of wire could be used.

5.2

Where the fence is providing a stockproof function and so barb wire is being used, and if there is any chance of the public coming into contact with the fence, e.g. viewing points or where a path runs parallel, two plain wires can be placed on the inside of the fence to prevent the public coming into contact with the fence. See diagram below:

