Legend

existing soft landscaping to be retained

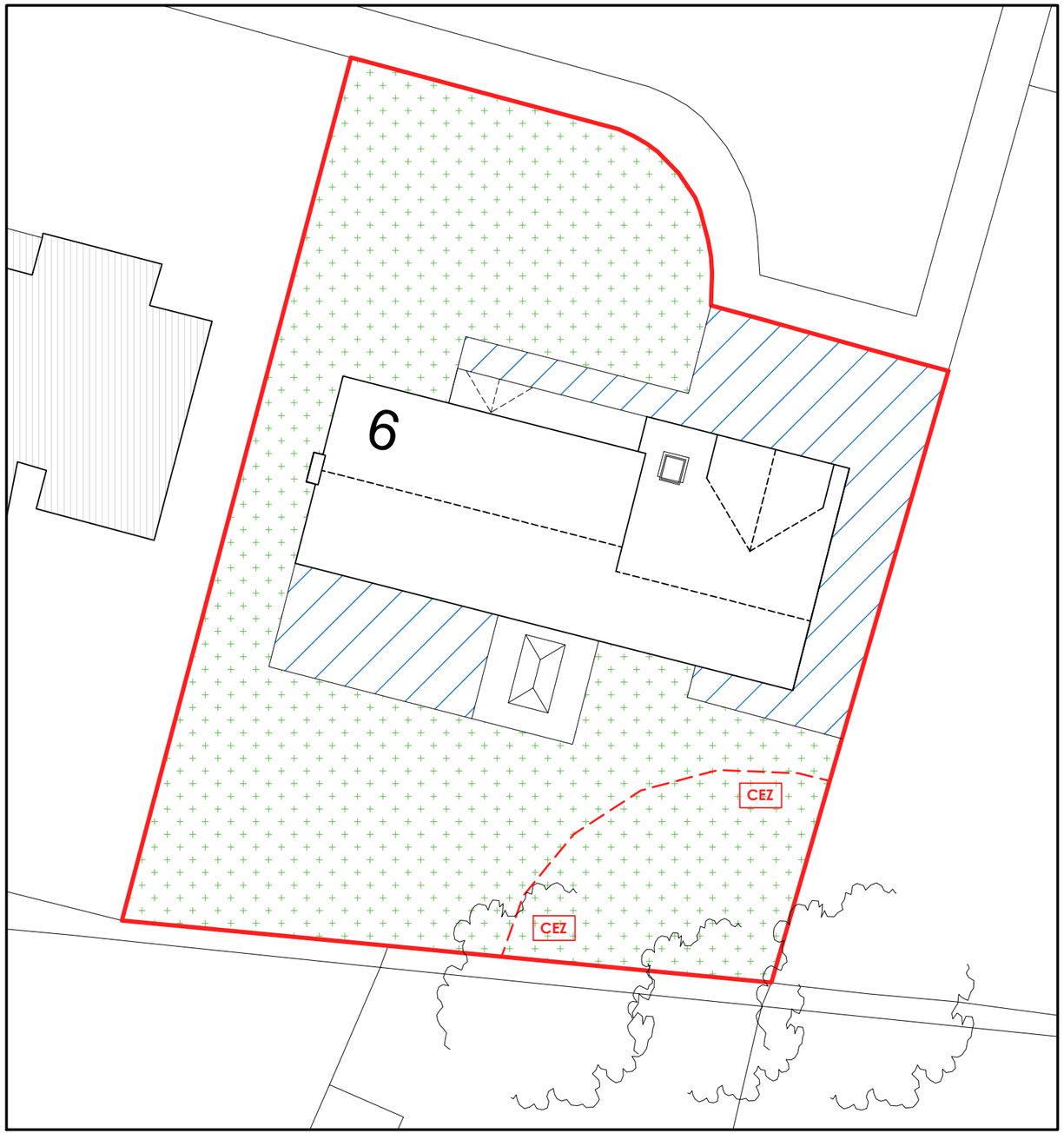
CEZ construction & storage exclusion zone

trees to be retained

existing hard landscaping/surface to be retained

protective fencing

INDICATIVE



SITE LAYOUT SCALE 1:200

0 1 2 3 4 5

Tree Protection Plan

At this site, operations are to occur in the following sequence:

1. Erect protective fencing along the position(s) shown by the dashed red line/s.

2. Retain all existing hard surfaces as shown by the blue diagonal lines.

3. Provide and retain photographic record of all tree protection measures - this can then be forwarded to the Council's Arboricultural Officer and must demonstrate that all aspects of tree and ground protection measures have been implemented 3 working days prior to works progressing. The tree protection measures shall be retained until completion of all works permitted.

4. Commence construction.

5. Remove tree protection when all construction activity has ended.

Note: The point of a tree protection plan is to avoid soil compaction occurring. If more space is needed, the fencing can be shifted back as long as the ground protection covers the area exposed. Any changes to the tree protection should however be discussed with the Council's Arboricultural Officer.

Temporary ground protection should be able to support any traffic entering or using the site without being distorted or causing compaction of underlying soil and might comprise one of the following:

1. For pedestrian-movements only, a single thickness of scaffold boards placed either on top of a driven scaffold frame, 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;

2. 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

3. 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.

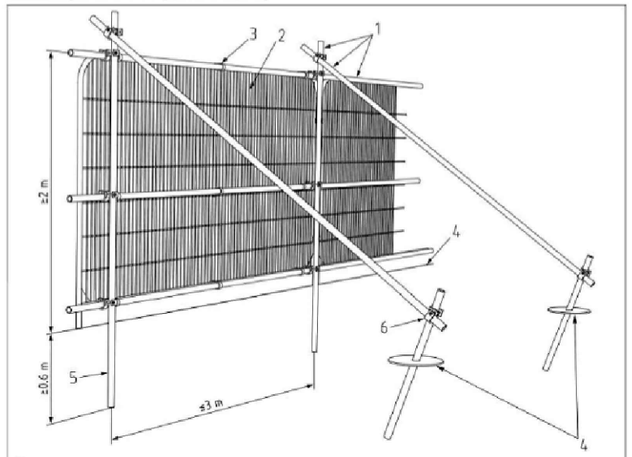
NOTE: If ground protection is to be laid near areas to be excavated, sheet piling should be used to shore up the sides of the excavations prior to being used (by pedestrians or machinery)

Protective Fencing

The following is based on an extract from British Standard 5837:2012 - Trees in relation to design, demolition and construction– Recommendations.

The framework support (shown below) is the usual method of support for 'Heras' fencing. Some variations are possible if site conditions are appropriate; i.e. support by wooden posts (75mm x 75mm x 2.75m) dug or concreted into the ground (dry mix concrete contained within a plastic bag), or if there is no pressure for access, a lighter form of netting on stakes.

Default specification for protective fencing



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