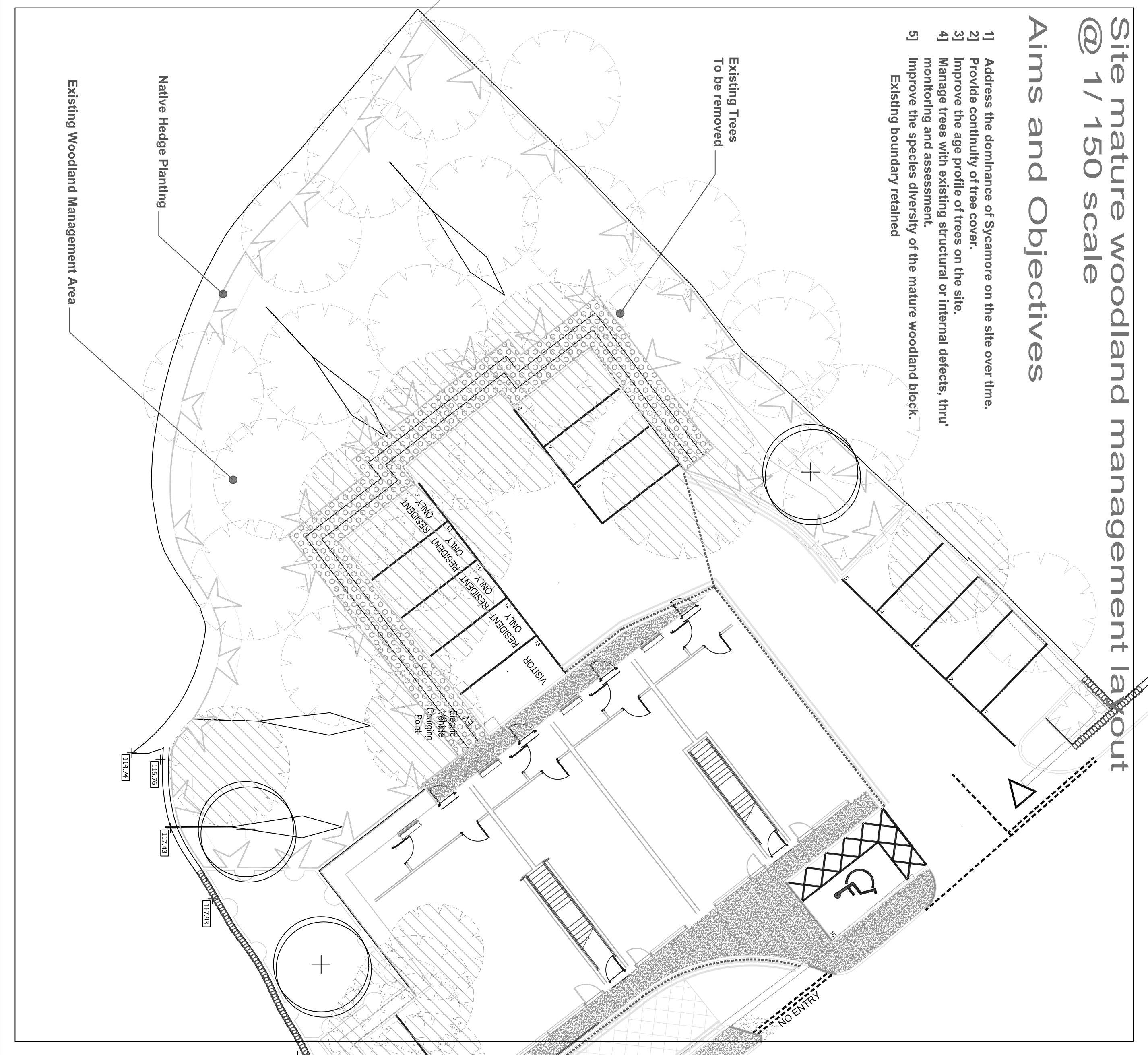


Site mature woodland management layout  
@ 1/150 scale

## Aims and Objectives

- 1) Address the dominance of *Sycomore* on the site over time.
- 2) Provide continuity of tree cover.
- 3) Improve the age profile of trees on the site.
- 4) Manage trees with existing structural or internal defects, thru monitoring and assessment.
- 5) Improve the species diversity of the mature woodland block.



# Mature Tree Management Notes

## MANAGEMENT PRINCIPLES

- 1) Manage rate of change after the initial development work over time, gradually allowing new species to colonise;
- 2) Use species/seed sourced / grown from locally provenance;
- 3) Aim for a small scale mosaic of different age classes throughout the woodland block.
- 4) Aim to create strong woodland edge habitat to the E and SW / S boundary edges.

## SITE OPERATIONS

- 5) Remove ivy from all tree trunks and canopies. Repeat every 24 months (during December- January) :
- 6) Coppice existing coppiced trees over a 3-7 year period to promote young growth and reduce growth defects:
- 7) Stockpile coppiced materials in habitat piles throughout the site:
- 8) Where mature trees have been removed to allow development; plant bare ground areas with native species to promote biodiversity and age range:
- 9) Raise crowns of existing trees where appropriate to allow light beneath the existing canopy and promote a herb layer:
- 10) Remove deadwood from the mature trees and prune back crossing / damaged branches- retain materials on site in habitat piles. Remove apicomorphic growth.

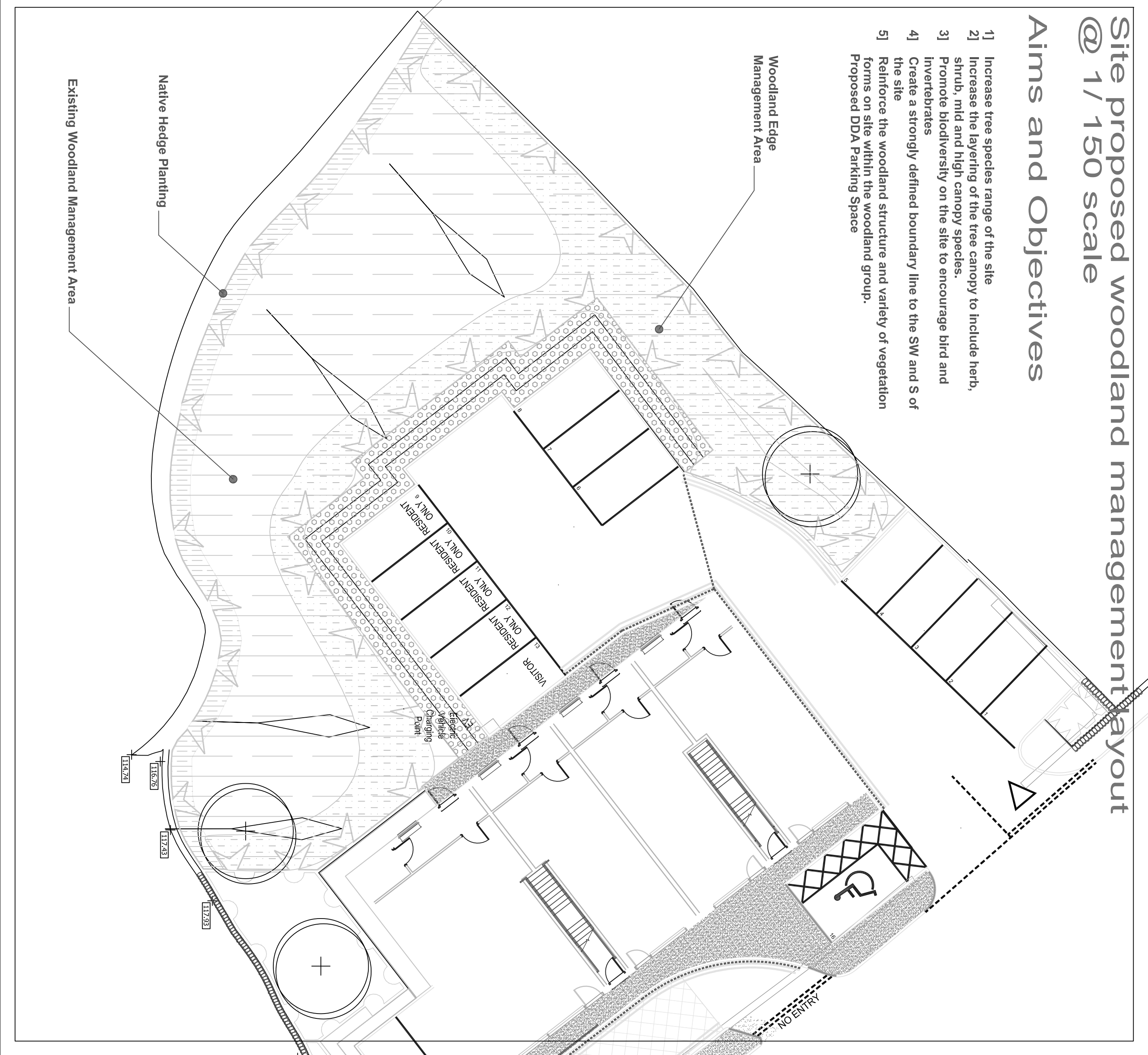
## REDUCING THE DOMINANCE OF SYCAMORE OVER TIME

- 1) Remove sycamore saplings completely
- 2) Uproot seedlings
- 3) Fell mature sycamore trees over time. Application to remove further trees to commence at 7-10 years after development once proposed new trees are well established on site.
- 4) Apply stumps with stump killer in accordance with manufacturers instructions.
- 5) All tree felling / coppicing to occur between October and March
- 6) Several trees require monitoring over time to detect die back and deadwood- refer to Arboriculturist report
- 7) Trees are to be removed only under instruction by a qualified Arboriculturist and by a qualified Arboricultural Contractor. Stumps to be retained in the ground.
- 8) The woodland block is protected by a TPO and is within the Kirkburton Conservation Area and any works under these designations will require the appropriate / necessary consents.

Site proposed woodland management layout  
@ 1/150 scale

# Aims and Objectives

- 1) Increase tree species range of the site
  - 2) Increase the layering of the tree canopy to include herb, shrub, mid and high canopy species.
  - 3) Promote biodiversity on the site to encourage bird and invertebrates
  - 4) Create a strongly defined boundary line to the SW and S of the site
  - 5) Reinforce the woodland structure and variety of vegetation forms on site within the woodland group.
- Proposed DDA Parking Space



## Proposed tree and shrub management notes

## General Notes

New woodland planting is scheduled within the application site around much of the northern western perimeter of the development. The new woodland plantings are specified to be established to supplement existing woodland along this boundary. These new woodland plantings will comprise indigenous trees and particularly shrubs local to the area. The new woodland will be based on the National Vegetation Classification (NVC), and would characteristically include species such as pedunculate oak, silver birch, wild cherry, rowan, hilly, hazel, hawthorn and blackthorn.

- The purpose of such seed sowing to the marginal east edge of the woodland is to diversify the woodland field layer vegetation. Small-scale woodland plantings will have been under sown with woodland grass, wildflower mixes + plugs during the construction contract which are locally native to the area and appropriate to the soils types that characterize the site.

Throughout the woodland areas species will have been introduced which are locally native and of local provenance. The retained woodland is proposed to be planted with both native shrub mixes and tree and shrub mixes. This is an important measure to ensure stratification of the woodland edge. Management of the edge areas will include selective thinning and the range of species included in this process will support the development of a stratified edge structure.

The management of these areas would include the establishment of a coppice-style rotation along new woodland edges, to promote a graded woodland edge habitat and denser cover adjacent to non-woodland habitats or development areas. A degree of thinning may be appropriate – and would be based on a properly informed assessment of conditions.

## Notes

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Contractors must check all dimensions from site

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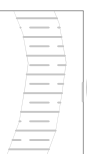
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|                                                                                       |                                                                    |
|---------------------------------------------------------------------------------------|--------------------------------------------------------------------|
|  | Woodland Planting / Management<br>Area 550m <sup>2</sup> / 0.055Ha |
|  | Ornamental Groundcover<br>Planting Area                            |
|  | Native Shrub Planting<br>Area                                      |
|  | Specimen Tree Planting                                             |
|  | Native Tree Planting                                               |
|  | Native Hedge Planting<br>50m <sup>2</sup>                          |
|  | Trees To Be<br>Removed                                             |
|  | Woodland Edge<br>Management Area                                   |

**The Site**  
**REFER TO TREE ASSESSMENT BY BARNES**  
**AND ASSOCIATES 21/08/2019 Titled Land**  
**Opposite 81 North Road Kirkburton HD8 0RL.**

The report notes that, 'the existing population of 37 trees are in fair overall condition though even the briefest of assessments shows that the site has had limited to no management over the most recent to moderate past'.

REFER TO DRAWING: Tree Survey Plan  
BA5061TS

It is recommended that a regular 24 month inspection of all trees alternating between early and late season, be carried out by a qualified Arboricultural Consultant ISA Certified Arborist or equivalent. All works must be carried out in accordance with BS 5837:2012 or any subsequent revisions applicable at the time.

THE WOODLAND AREA IS ON STEEP AND UNSTABLE GROUND WHICH SHOULD BE CONSIDERED WHEN VISITING SITE

[illegible]

# Coolgreen

## YEME.ARCHITECTS

## BAYSWATER, KIRK BURTON

|                |       |              |
|----------------|-------|--------------|
| project number | scale | @A1          |
| 2019.100       | 1/150 |              |
| drawing number | rev   |              |
| 02             | 1     | issue status |
|                |       | PLANNING     |