

Reserved Matters Application
No. 2021/1007 (Approved)

INDICATIVE PLANT SCHEDULE

The following list represents an indicative plant schedule developed by the ecologists for the intended planting within the application boundary.

Woodland: Broad-leaved plantation

Botanical Name	Common name
<i>Alnus glutinosa</i>	Alder
<i>Fraxinus excelsior</i>	Ash
<i>Populus tremula</i>	Aspen
<i>Betula (pendula/pubescens)</i>	Birch (Silver or downy)
<i>Prunus padus</i>	Bird cherry
<i>Prunus spinosa</i>	Blackthorn
<i>Frangula alnus</i>	Blackthorn (alder)
<i>Malus sylvestris</i>	Crab apple
<i>Rosa canina</i>	Dog rose
<i>Cornus sanguinea</i>	Dogwood
<i>Crataegus monogyna</i>	Hawthorn
<i>Corylus avellana</i>	Hazel
<i>Corylus avellana</i>	Hazel (coppice)
<i>Ilex aquifolium</i>	Holly
<i>Juniperus communis</i>	Juniper
<i>Quercus (robust/petraea)</i>	Oak (Pedunculate or sessile)
<i>Sorbus aucuparia</i>	Rowan
<i>Salix (cinerea/caprea)</i>	Willow (Grey and/or Goat)
<i>Ulmus glabra</i>	Wych elm

Woodland: Scattered Scrub grassland

Botanical Name	Common Name
<i>Prunus spinosa</i>	Blackthorn
<i>Frangula alnus</i>	Blackthorn (alder)
<i>Malus sylvestris</i>	Crab apple
<i>Rosa canina</i>	Dog rose
<i>Cornus sanguinea</i>	Dogwood
<i>Crataegus monogyna</i>	Hawthorn
<i>Corylus avellana</i>	Hazel
<i>Ilex aquifolium</i>	Holly
<i>Viburnum lentana</i>	Wayfaring tree

Woodland: Scattered Trees

Botanical Name	Common Name
<i>Alnus glutinosa</i>	Alder
<i>Fraxinus excelsior</i>	Ash
<i>Fagus sylvatica</i>	Beech
<i>Betula (pendula/pubescens)</i>	Birch (Silver or downy)
<i>Crataegus monogyna</i>	Hawthorn
<i>Quercus (robust/petraea)</i>	Oak (Pedunculate or sessile)
<i>Sorbus aucuparia</i>	Rowan
<i>Salix (cinerea/caprea)</i>	Willow (Grey and/or Goat)

Grasslands: Semi-improved neutral grassland

Botanical Name	Common Name
<i>Scoropendula autumnalis</i>	Autumn hawkbit
<i>Lactuca tiliolus</i>	Bitewitch
<i>Centauria nigra</i>	Black knapweed
<i>Euphrasia sp.</i>	Eyebright
<i>Alchemilla mollis</i>	Lady's-mantle
<i>Lactuca pratensis</i>	Meadow wetchling
<i>Lucantherum vulgare</i>	Ox-eye daisy
<i>Potentilla anserina</i>	Tormentil
<i>Rhinanthus minor</i>	Yellow rattle
<i>Dactylis glomerata</i>	Cock's foot
<i>Agrostis capillaris</i>	Common bent
<i>Cynosurus cristatus</i>	Crested dog's tail
<i>Ranunculus acris</i>	Meadow buttercup
<i>Festuca rubra</i>	Red fescue
<i>Anthriscum odoratum</i>	Sweet vernal grass
<i>Taraxacum officinale</i>	Yellow cat grass
<i>Haloxylon lanatum</i>	Yorkshire-flag

- KEY**
- Unit 4 Red Line Boundary
 - Land under Harworth Control
 - Retaining Wall
 - PROW Footpaths
 - A. Woodland: Broad-leaved plantation
 - B. Woodland: Scattered scrub grassland
 - C. Woodland: Scattered trees
 - D. Grasslands: Semi-improved neutral grassland
 - E. Amenity planting
 - F. Hedgerows
 - G. Retained Landscape
 - H. 6m high terrain modelling
 - I. Mown grass: along verges & temporary treatment ahead of road extension
 - J. Wet Meadow: 1.5m-wide swale with wet meadow, providing offset from Unit 4 and adjacent hedgerow
 - K. Sedum Roof

LANDSCAPE STRATEGY
The revised Parameters Plan (June 2020) resulted in a number of design enhancements which collectively helped reduce overall visibility and ensure that the proposals are successfully incorporated into the existing landscape structure. These included the following measures:
a. Greater space for tree planting to screen and filter views of the development;
b. Revised Cut-and-Fill strategy, resulting in reduced height of building plateaux, ensuring that the height of the proposed warehouses over existing landscape features is kept as low as possible; and
c. Additional terrain modelling along the southern boundary, raising ground profiles by 6m with 1:3 gradients and reducing visibility of Unit 4 at Year 0.
These interventions have been retained within the design process for Unit 4.

ECOLOGICAL ENHANCEMENT
The combined Landscape and Ecology strategy sets out the principles for the landscape design and has been developed with consideration of the mitigation measures identified within the LVA and separately by the consultant ecologist (Habitat Creation, Biodiversity Mitigation and Enhancement Scheme-FCO, 2021). The plan incorporates substantial belts of vegetation to improve screening from sensitive receptors, seeks to enhance the assimilation of the proposed development within the broader study area in terms of landscape character, and provide a connected range of vegetation types, proposed by the ecologist, to enhance the ecological value of the site.

STRUCTURE PLANTING DESIGN
Tree planting will take the form of 1m x 1m matrix (planting of 2 x 1 whips (c.600mm high), notch-planted as bare roots in the winter months for maximum establishment, using groups of species to create a layered, biodiverse woodland mix (Refer 334-UW-P-032 Unit 4 Planting Plan). As the planting grows, thinning will be required during the formative years, removing the less vigorous plants to make space for the best and most healthy specimens.

D	Road Plan of Unit 4 incorporated	30 Jul 23
C	Red Line Boundary and Minor Scheme Amendments	07 Jul 23
B	Minor layout revisions following design team feedback and amended TAP design	30 Nov 22
A	Amended as per Design team comments	25 Nov 22
	First Issue	14 Nov 22

rev details date



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project
Unit 4
Gateway 36, Phase 2B, Barnsley

drawing title
Landscape Mitigation Plan

drawing status
Planning
drawn by
ISA
checked by
CH
date
14 Nov 22

scale
1: 500
paper size
A0
job/dwg no.
334-UW-P-030
rev
D

PLANT TYPOLOGY AREA CALCULATIONS

Retained Landscape 2,734m²
Woodland: Broadleaved plantation 6,818m²
Woodland: Scattered scrub grassland 5,708m²
Grasslands: Semi-improved neutral grassland 348m²
Hedgerows: 991m²
Mown Grass: 1,435m²
Wet Meadow: 119m²

Existing Woodland

SCALE 1:500 @ A0

