

Single Trees - 16-18cm girth

Plant at 7.5m centres with hedge as indicated on plan

		Size in cm	Root Condition
Quercus robur Fastigiata	Fastigate oak	16-18cm girth	RB

NATIVE WOODLAND PLANTING

Native Trees - 8-10cm girth

Plant at 3m centres in single species groups as indicated. Thin to required spacings as planting develops to create required structure.

Native Woodland Planting	Overall %	Size in cm	Root Condition	Group size
Pinus sylvestris	5	1.2m high	RB	5-10
Prunus avium	10	8-10cm girth	B	5-15
Prunus padus	5	8-10cm girth	B	5-15
Quercus robur	80	8-10cm girth	B	5-15

Native Understorey / Shrub Planting

Plant at 1/m2 in single species groups as indicated. Thin to required spacings as planting develops to create required structure.

Native Understorey Planting	Overall %	Size in cm	Root Condition	Group size
Acer campestre	5	50-60	B	5-10
Corylus avellana	30	50-60	B	5-10
Crataegus monogyna	30	50-60	B	5-10
Ilex aquifolium	15	50-60	B	5-10
Lonicera periclymenum	5	50-60	B	5-10
Malus sylvestris	5	50-60	B	5-10
Prunus spinosa	5	50-60	B	5-10
Viburnum opulus	5	50-60	B	5-10

Native Hedge

Plant at 5 per linear m in a double staggered row

Native Understorey Planting	Overall %	Size in cm	Root Condition	Group size
Crataegus monogyna	40%	60-90cm	B	5-10
Corylus avellana	20%	60-90cm	B	5-10
Prunus spinosa	20%	60-90cm	B	5-10
Ilex aquifolium	10%	60-90cm	RB	5-10
Viburnum opulus	10%	60-90cm	B	5-10

Native Woodland Wild Flowers & Grasses

Native species seed mix with a predominance of wildflowers, providing a species rich habitat / hunting ground for native wildlife. Existing native shrub vegetation within defined area to be retained and incorporated.

EW1 seed mix – Woodland Mixture

Sowing rate: 4g/m2

Mixture Composition:

Wild Flowers	%	Latin name	Common name
2		Alliaria petiolata	Garlic Mustard
0.8		Allium ursinum	Ramsons
1		Betonica officinalis	Betony
1		Campanula trachelium	Nettle-leaved Bellflower
1.5		Digitalis purpurea	Foxglove
1.6		Filipendula ulmaria	Meadowsweet
2		Galium album	Hedge Bedstraw
2.8		Geum urbanum	Wood Avenis
1		Hyacinthoides non-scripta	Bluebell
0.1		Primula vulgaris	Primrose
2		Prunella vulgaris	Selfheal
2.5		Silene dioica	Red Campion
0.2		Silene flos-cuculi	Ragged Robin
0.5		Stachys sylvatica	Hedge Woundwort
1		Teucrium scorodonia	Wood Sage
20			

Grasses	%	Latin name	Common name
10		Agrostis capillaris	Common Bent
1		Anthoxanthum odoratum	Sweet Vernal-grass (w)
6		Brachypodium sylvaticum	False Brome (w)
35		Cynosurus cristatus	Crested Dogstail
2		Deschampsia cespitosa	Tufted Hair-grass (w)
26		Festuca rubra	Slender-creeping Red-fescue
80			

PLANTING NOTES:

Preparation of Planting Areas

Rubbish, concrete, metal, glass and decayed vegetation are to be removed and disposed of off site. Stones with the largest dimension exceeding 75mm are to be removed from planting beds and disposed of off site. Substances injurious to plant growth including subsoil, rubble, fuel and lubricants should be removed and disposed of off site. Remove any existing weed growth. Areas of large root are to be grubbed up without undue disturbance of surrounding soil and adjacent areas. All site preparation, planting and maintenance to comply with BS 4429.

Topsoil

All topsoil to be of good quality in accordance with BS 3882:2015. Depth for planting beds 350mm minimum, and for turf 150mm minimum.

Plants/Trees General

To be materially undamaged, sturdy, healthy and vigorous in condition. To be of good shape without elongated shoots and characteristic of the species. To be grown in a suitable environment in order to be fully hardy. To be free from pests, discolouration, weeds and physiological disorders. Budded or grafted plants to be bottom worked. All trees, hedging, shrubs and plants to comply with BS 3936 specification for nursery stock.

Species will be true to name and of British origin/provenance where appropriate. Do not substitute species, variety and form, or reduce the specified number/density of plants without prior agreement. Note: sizes shown are minimum.

Read with drawings and reports by Arboricultural Consultant. Do not plant within rainshadow under a roof overhang. All planting to be watered as required immediately after planting. All new trees to be positioned in accordance with the requirements of Table A.1, BS5837:2012. All new turf to be fine quality eg. Sportsman by Turflands or equivalent and laid in accordance with BS 3969 1998 + A1:2013. Any works to existing trees to be carried out in accordance with the guidance set out in BS3998:2010.

Mulch

At completion carefully spread a general purpose mulch - prepared in accordance with PAS 100 - to an even depth of 5cm to all ornamental planted areas (sample supplier Green Tech Tel: 01423 332100)

Native Hedges and Woodland Planting

Native hedging and woodland whip plants to be protected from rabbits using rabbit guards. To be kept free of weeds during establishment using secured mulch matting. Bare root plants to be notch planted to depth of root collar in accordance with BS4428. Container grown plants to be planted to depth of original root collar in accordance with BS4428. All plants planted into mulch mats to be planted with appropriate long release fertiliser pellets (eg Osmocote tel: 01282 873333), applied in accordance with the manufacturer's recommendations and directions. Selective thinning for long term management to be undertaken every 5 to 7 years until woodland structure attained.

Tree Stakes

2No 75mm dia tanalised softwood tree stakes pointed at one end to be driven vertically into ground either side of rootball. Top of stakes to be 500mm above ground level and fixed with 1No tanalised softwood 4" x 2" timber cross bar nailed horizontally to top of stakes. Trunk to be secured vertically to cross bar with 1.5" wide rubber tie straps with rubber pad fixed between bar and trunk. Stakes to be firm in ground, position stakes at time of planting.

Preparation of Ground Flora Areas

Rubbish, concrete, metal, glass and decayed vegetation are to be removed and disposed of off site. Stones with the largest dimension exceeding 75mm are to be removed from planting beds and disposed of off site. Substances injurious to plant growth including subsoil, rubble, fuel and lubricants should be removed and disposed of off site. Existing scrub and weed layer to be removed from site or chopped up to be incorporated during cultivation. Move soil around site to create required levels. Levels to be agreed on site. Control of 'weeds' by repeated applications of a herbicide (e.g. glyphosate) over the growing season and/or repeated cultivation to exhaust weeds (following). Unwanted vegetation can be cut back and removed from site or chopped up to be incorporated during cultivation.

Seed bed cultivation

Cultivate the soil to 150mm depth to alleviate compaction, then rake or harrow and roll to produce a fairly fine, firm surface. Finished seedbed should be firm enough to walk on without leaving impressions and be free of obstructions (eg large stones or bricks), and from deep ruts or ridges, due to future mowing requirements.

Use 'stale seedbed technique' to address issue with annual weeds whose seeds will remain in the soil after clearance - ie once seedbed has been prepared, delay sowing seed mixture until after flush of weed seed germination has been killed (by spraying or shallow cultivation). Seedbed is now 'stale' and has a reduced weed seed burden.

Note: Soil cultivation around established trees and hedges can be very damaging to tree and shrub roots - only surface treatments are safe here.

Sowing:

Seed sowing in August - September or March-April following preparation as set out above. Seed Mix to be sown at a rate of 2-5g/m2 to allow an extended period of establishment with room for both fast growing grasses and slower germinating flower seeds.

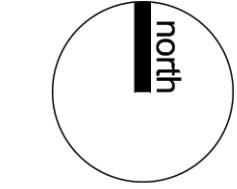
Protection of Ground Flora areas: Once seeded, all reasonable precautions shall be taken to ensure that pedestrian and other traffic does not cross areas ground flora during cultivation, seeding or establishment.

SCHEDULE OF IMPLEMENTATION

The landscape works shall be carried out within 12 months from the date when building works are complete.

Bare root and rootballed stock to be planted within the winter planting season (October to March). Seeding to be undertaken in Spring. Trees and large stock plants to be planted first.

These seasons are subject to variation and timing should be clarified prior to planting in accordance with advice from the Horticultural Trades Association Tel: 0118 9303132



DWG TITLE: Boundary Planting - Arena site

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DRAWN BY: AW

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SCALE: 1:500@A1

Unit 6, Longley Lane
Northenden, Manchester
M22 4WT

bw

**BARNES
WALKER**

T: 0161 946 0008
E: design@barneswalker.co.uk
W: www.barneswalker.co.uk

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