

SPECIMEN TREES			
Latin Name	Min Girth (cm)	Height (cm)	Specification
Betula pendula	35-40	500-600	Clear Stem to 200-250cm
Pinus sylvestris	50-60	700-800	Clear Stem to 200-250cm
Ulmus 'new horizon'	80-90	700-800	Clear Stem to 200-250cm

SPECIMEN SHRUBS			
Latin Name	Min Girth (cm)	Height (cm)	Specification
Rosa canina	-	125	Full Pot; 15L
Crataegus monogyna	-	175	Full Pot; 15L
Cornus sanguinea 'midwinter fire'	-	175	Full Pot; 50L

NATIVE HEDGEROW				
PLANTING NOTES: Plant in a double staggered row - 500mm between rows and at 300mm centres at 5 plants per linear meter. All plants to be caned and installed with rabbit guards.				
% Mix	Species	Min Height (cm)	Condition	Planting Density
5%	Acer campestre	60-80	Bare-rooted; 1+1; Transplant - seed raised	5/LM
10%	Prunus spinosa	60-80	Bare-rooted; 1+1; Transplant - seed raised; branched; 2 breaks	5/LM
30%	Corylus avellana	60-80	Bare-rooted; 1+2; Transplant - seed raised; branched; 3 breaks	5/LM
30%	Crataegus monogyna	60-80	Bare-rooted; 1+1; Transplant - seed raised	5/LM
5%	Euonymus europaeus	60-80	Bare-rooted; 1+2; Transplant - seed raised; branched; 5 breaks	5/LM
15%	Ilex aquifolium	40-60	2L; leader with laterals	5/LM
5%	Lonicera periclymenum	60-80	Bare-rooted; 1+2; Transplant - seed raised; branched; 3 breaks	5/LM

ORNAMENTAL HEDGEROW			
PLANTING NOTES: Planted from pre-grown tray for instant impact			
Species	Min Height (cm)	Condition	Planting Density
Ilex crenata	100	Instant Hedging	Pre-grown Tray

CLIMBING/TRAILING PLANTS			
PLANTING NOTES: placed to rear of bed against vertical façade			
Species	Min Height (cm)	Condition	Planting Density
Hedera helix 'Green Ripple'	60	2L Full Pot; Caned	1 per linear 1.2m
Hedera helix 'Goldchild'	60	2L Full Pot; Caned	1 per linear 1.2m
Hedera helix 'Glacier'	60	2L Full Pot; Caned	1 per linear 1.2m
Lathyrus latifolius 'White Pearl'	60	3L Full Pot	Labelled

PLANTING MIX 1 (PM1)					
Planting: Plant in groups of 5-10 species for front plants. Plant in groups of 3-5 for mid plants. Plant in groups of 1-3 for back plants. All plants to be positioned in line with 'position in planting bed' below. In the case of bay windows ensure Anemone x hybrida is not planted directly in front of window.					
%	Position in Planting Bed	Latin Name	Min Height (cm)	Condition	Planting Density
15	Back	Anemone x hybrida 'Honorine Jobert'	40-60	5L	2/m ²
15	Mid	Blechnum spicant	40-60	3L	3/m ²
20	Mid	Luzula nivea	20-30	2L	3/m ²
25	Front	Pachysandra terminalis	10-20	1L	5/m ²
25	Mid	Polystichum munitum	40-60	5L	2/m ²

PLANTING MIX 2 (PM2)				
Planting: Plant in groups of 5-10 species for front plants. Plant in groups of 3-5 for mid plants. Plant in groups of 1-3 for back plants. All plants to be positioned in line with 'position in planting bed' below.				
Position in Planting Bed	Latin Name	Min Height (cm)	Condition	Planting Density Per 10m²
Scatter	Allium afiatunense 'Purple Sensation'	90	10/12	25
Front	Allium ursinum	Seed	Seeded	40
Back	Anthriscus sylvestris 'Ravenswing'	40	2L Pot	8
Mid	Blechnum spicant	40	3L Pot	5
Back	Digitalis purpurea f. albiflora	40	2L Pot	3
Mid	Euphorbia amygdaloides var. robbiae	30	2L Pot	3
Mid	Ilex crenata	40	40cm ball	5
Front	Liriope muscari	20	9cm Pot	10
Front	Pachysandra terminalis	10	9cm Pot	10
Back	Polystichum munitum	40	5L Pot	3
Front	Galanthus elwesii	bulb	5+	40

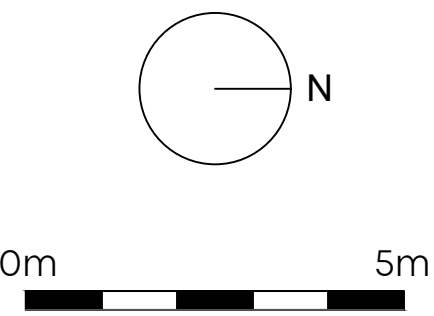
PLANTING MIX 3 (PM3)					
Planting: Plant in groups of 5-7 species for front plants. Plant in groups of 3 for mid plants. Plant in groups of 1-3 for back plants. All plants to be positioned in line with 'position in planting bed' below.					
%	Position in Planting Bed	Latin Name	Min Height (cm)	Condition	Planting Density
20	Mid	Blechnum spicant	40	3L Pot	3/m²
30	Mid	Luzula nivea	20	2L Pot	3/m²
30	Front	Pachysandra terminalis	10	9cm Pot	5/m²
20	Back	Polystichum munitum	40	5L Pot	2/m²

PLANTING MIX (PM4)					
Planting: Plant in groups of 5-7 species for front plants. Plant in groups of 3 for mid plants. Plant in groups of 1-3 for back plants. All plants to be positioned in line with 'position in planting bed' below. Climbers to be caned.					
%	Position in Planting Bed	Latin Name	Min Height (cm)	Condition	Planting Density
20	Front	Blechnum spicant	40	3L Pot	3/m ²
30	Front	Luzula nivea	20	2L Pot	3/m ²
20	Front	Euphorbia amygdaloides var. robbiae	30	2L Pot	3/m ²
20	Back	Polystichum munitum	40	5L Pot	2/m ²
10	Back	Trollius x cultorum 'Orange Princess'	30	2L Pot	4/m ²

PLANTING MIX 5 - MIXED (PM5)			
Planting: Plant in line with Fig 1.			
Latin Name	Height (cm)	Condition	Planting Density Per 10m²
Structure Plants			
Anemone japonica 'Serenade'	120	5L; Full Pot	4
Aster ageratoides 'Aran'	60	5L; Full Pot	2
Bistorta amplexicaulis 'Speciosa'	100	5L; Full Pot	3
Diervilla sessilifolia 'Dise'	60	5L; Full Pot	2
Salvia glutinosa	40	5L; Full Pot	1
Companion Plants			
Aster divaricatus	75	2L; Full Pot	8
Helleborus x orientalis	25	2L; Full Pot	8
Phlox russelliana	80	2L; Full Pot	4
Salvia nemorosa	60	2L; Full Pot	4
Ground Cover Plants			
Epimedium x warleyense 'Orangekonigin'	20	2L; Full Pot	10
Geranium sanguineum 'Tiny Monster'	30	2L; Full Pot	5
Geranium gracile 'Sirak'	20	2L; Full Pot	10
Luzula nivea	40	2L; Full Pot	10
Scatter Plants			
Aquilegia vulgaris	60	2L; Full Pot	3
Digitalis lutea	80	2L; Full Pot	3
Geranium nodosum	25	2L; Full Pot	3
Viola odorata 'Konigin Charlotte'	12	2L; Full Pot	4
Hosta 'Devon Green'	50	2L; Full Pot	4
Bulb			
Allium afiatunense 'Purple Sensation'	90	10/12	25
Anemone blanda 'White Splendour'	10	5/7	50
Chionodoxa lucillae	15	5/4	50
Crocus tommasinianus	8	5	50
Eranthis hyemalis	15	4/5	50
Narcissus cyclamineus 'Jetfire'	25	10/12	70
Puschkinia scilloides var. libanotica	10	5/7	50

- Site Boundary
- Existing Vegetation to be Retained (includes Phase 1 tree planting)
- Proposed Tree (Dashed Line - Mature Canopy)
- Proposed Specimen Shrub
- Proposed Native Hedgerow
- Proposed Ornamental Hedgerow
- Proposed Planting Area
- Proposed Sedum Mat
- Proposed Climbers
- Proposed Trailing Plants

D	Planting update	29.09.22
C	Layout update - Planting update	15.09.22
B	North Arrow Amended	27.04.22
A	Layout/Planting Areas Updated	26.04.22
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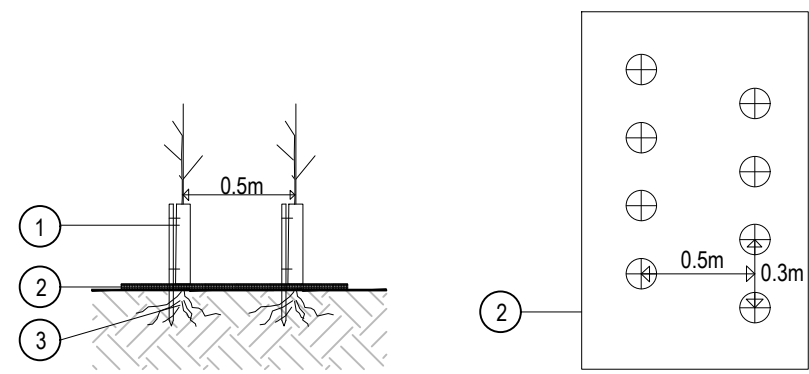
Project Title:
Netherhall Gardens

Drawing Title:
Phase 3 - Detailed Soft Landscape Proposals
(Sheet 1 of 2)

Date: 15 March 2022
Drawing Number: LB295_D02
Scale: 1:100 at A1

Drawn By: AL
Checked By: DB
Revision: D

Double Staggered Row



Hedgerow Planting Detail

1. Tubex shrub shelter with supporting cane or stake.
2. 2m wide biodegradable weed mat roll pegged down with biodegradable pegs along line of hedgerow to prevent weed growth and retain moisture.
3. Whip to be notch planted following clearance of any existing vegetation.

Immediately after planting, water the whip, saturating the ground around its base to field capacity.

The notes above are intended as a basic guide only. For further general guidance on planting refer to BS8545:2014 Section 10 and BS4428:1989 Section 9.

Products suggested in italics above are available from Tubex (<http://www.tubex.com/>).

Whip Maintenance and Management During 5 Year Establishment Period

Immediately following planting, the whip should be watered thoroughly. Following this, and with regard to prevailing weather conditions, newly planted whips should be watered regularly during periods of dry weather. When watering, the square meter of ground around the whip should be soaked to field capacity (refer to BS8545:2014 for further detail) by surface watering. Watering frequency is more important than quantity to prevent the roots of the newly planted whip from drying out.

All whips are fitted with protective guards to prevent animal damage. These should be checked regularly to ensure they remain in place and are providing adequate protection against the animals in the area. If damage to trees from browsing by animals still occurs, additional measures may be required.

A formal assessment of areas of whip planting should be carried out annually by a qualified arborist who will be able to advise on solutions should any problems be picked up. During this assessment, any guards and canes/stakes should be checked to ensure they are providing protection but not damaging the developing whip and that its roots are still firmly seated in the ground. If the whip has become loose in the ground, the soil around the base should be re-firmed and guards adjusted accordingly.

The space above the mulch mat around the whip should be kept clear of competing vegetation and weeds at all times.

The shrub shelter/guard should be removed once the whip has established a strong enough root system to support itself and has begun to grow strongly clear of the top of the shelter/guard, likely to be 1-2 years after planting. Biodegradable mulch mats can remain in place indefinitely.

Formative pruning should be carried out in accordance with BS3998 as required during the first 5 years to ensure the desired form is achieved.

For further guidance on whip and tree maintenance during establishment refer to BS8545:2014 Section 11.

Pot Plant Implementation, Maintenance and Management During 5 Year Establishment Period

All planting to be carried out in accordance with BS 4428:1989 and specified using The National Plant Specification NPS. Plant selection and specification to be in accordance with Landscape Architects drawings and Specifications.

Plants should be stored in a suitable location on site where they can be positioned upright and sheltered from wind. Their pots/root balls should be sheltered from direct sunlight especially during hot dry weather.

Plants should be delivered in batches as required and planted within 48 hours of delivery from nursery, stock should be watered regularly before and after planting

On delivery, check plants are in accordance with original specification set out by landscape architect, are in a healthy condition, free of broken stems, wilting leaves and disease

Areas of beds to be planted must be:

- Free of weeds, litter and other debris, which may affect plant establishment and growth
- Well rotavated to a depth of 400mm to loosen soil, with the application of fertile organic matter to aid in plant growth and development
- Soaked before planting allowing water to sufficiently permeate the soil.

It is important to maintain a weed-free area and adequate levels of moisture especially in new planting beds. Before planting and applying any weed suppressants:

- The ground must be levelled whilst clearing all weeds, debris and rubbish;
- Dig over and rotavate soil breaking up any large clods of earth;
- Soak soil thoroughly prior to planting and after digging before applying mulch or membrane;
- Membrane must be rolled out before planting and secured to the ground using membrane staples;
- Position plants within bed, drawing around the pot base with chalk;
- Apply mulch at a thickness of approximately 100-150mm (leave a sufficient area of bare ground around the stems or trunk so enough water can permeate the ground to the roots);
- Leave mulch 20-30mm below the level of adjacent hard surfaces at edges of planting beds to prevent mulch spilling over during watering.

Fig 1. Laying out a mixed planting bed

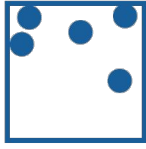
The following diagrams show how planting should be created. Planting scheme A is used for beds that can be seen from all sides. Planting scheme B is an example of planting bordering a fence, wall or hedge.

The perennials are laid out according to their function in the following order, starting with the structure plants:

Structure

Planting distance: approx. 60 cm to the neighboring perennials

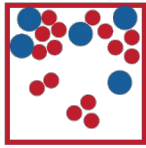
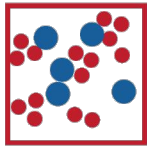
- A: Distribute individually, in a rhythmic arrangement over the entire planting area
- B: Individually, in a rhythmic arrangement in the background



Companion Plants

Planting distance: approx. 45 cm to the neighboring perennials

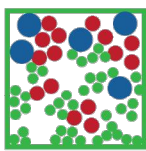
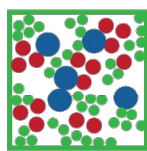
- A: In groups of 3-10 plants over the entire planting area
- B: In groups of 3-10 plants over the entire planting area



Ground Cover

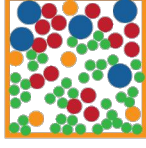
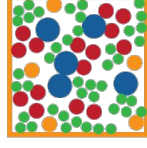
Planting distance: approx. 30 cm to the neighboring perennials

- A: Extensively at the edge or in bands into the planting
- B: Flat in the foreground of the bed or in bands into the planting



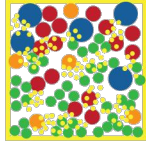
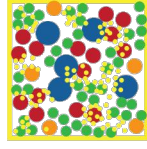
Scatter Plants

A and B: Individually over the entire planting, closing gaps



Bulbs

A and B: Plant in loose tufts of 10 to 100 between the perennials at twice the depth of the bulb.



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