PROPOSED PLANTING SCHEDULE

Trees

Number	Species	Height	Girth	Density	Specification
6	Acer campestre 'Elsrijk'	425-600cm	14-16cm	Counted	Extra Heavy Standard ;Clear Stem min. 200 ;5/7 brks
13	Acer campestre 'Streetwise'	425-600cm	14-16cm	Counted	Extra Heavy Standard ;Clear Stem min. 200 ;RB
7	Acer campestre Lienco	425-600cm	14-16cm	Counted	Extra Heavy Standard ;Clear Stem min. 200 ;RB
3	Carpinus betulus 'Lucas'	425-600cm	14-16cm	Counted	Extra Heavy Standard ;Clear Stem min. 200 ;5 brks ;RB
7	Pyrus calleryana 'Chanticleer'	425-600cm	14-16cm	Counted	Extra Heavy Standard ;Clear Stem min. 200 ;5 brks ;RB
2	Quercus robur	400-450cm	16-18cm	Counted	Advanced Nursery Stock ;Clear Stem min. 200 ;RB
3	Quercus robur 'Fastigiata Koster'	425-600cm	14-16cm	Counted	Extra Heavy Standard ;Feathered to base ;RB

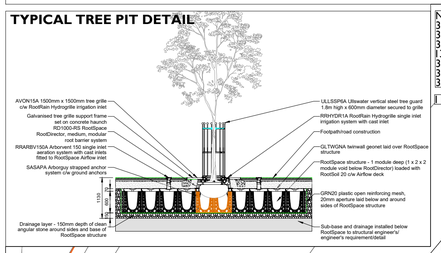
Hedges

Number	Species	Height	Pot Size	Density	Specification
110	Acer campestre	100- 120cm		0.35Ctr	Double Staggered at 0.5m offset ;Hedging stock ;Feathered Whip ;BR
110	Carpinus betulus	100- 120cm		0.35Ctr	Double Staggered at 0.5m offset ;Hedging stock ;Feathered Whip ;BR
56	Corylus avellana	100- 120cm		0.35Ctr	Double Staggered at 0.5m offset ;Hedging stock ;Feathered Whip ;BR
275	Crataegus monogyna	100- 120cm		0.35Ctr	Double Staggered at 0.5m offset ;Hedging stock ;Feathered Whip ;BR
128	Escallonia 'Apple Blossom'	80-100cm	5L	0.4Ctr	Double Staggered at 0.5m offset ;Hedging stock ;Bushy ;C
50	Escallonia rubra 'Crimson Spire'	80-100cm	5L	0.5Ctr	Double Staggered at 0.5m offset ;Hedging stock ;Bushy ;C

Shrubs

Number	Species	Height	Pot Size	Density	Specification
108	Acer campestre	100- 120cm		0.5Ctr	Hedging stock ;Feathered Whip ;BR
108	Carpinus betulus	100- 120cm		0.5Ctr	Hedging stock ;Feathered Whip ;BR
30	Cornus alba 'Elegantissima'	60-90cm	5L	3/m²	Branched ;C
40	Cornus alba 'Sibirica'	60-90cm	3L	3/m²	Branched ;C
60	Cornus sanguinea	60-90cm	5L	2.5/m²	Branched ;C
108	Corylus avellana	100- 120cm		0.5Ctr	Hedging stock ;Feathered Whip ;BR
36	Cotoneaster 'Coral Beauty'	30-40cm	3L	4/m²	Branched ;C
422	Crataegus monogyna	100- 120cm		0.5Ctr	Hedging stock ;Feathered Whip ;BR
49	Elaeagnus x ebbingei 'Compacta'	60-90cm	5L	3/m²	Bushy ;C
79	Elaeagnus x ebbingei 'Compacta'	60-80cm	5L	3/m²	Bushy ;C
142	Escallonia rubra 'Crimson Spire'	80-100cm	5L	4/m²	Hedging stock ;Bushy ;C
58	Euonymus fortunei 'Emerald Gaiety'	30-35cm	3L	4/m²	Bushy ;C
108	Ilex aquifolium	100- 120cm		0.5Ctr	Hedging stock ;Feathered Whip ;BR
149	Lonicera nitida 'May Green'	30-40cm	5L	4/m²	Hedge stock ;Bushy ;C
62	Lonicera pileata	50-60cm	5L	4/m²	Hedge stock ;Bushy ;C
60	Prunus laurocerasus 'Otto Luyken'	40-60cm	5L	4/m²	Bushy ;C
108	Prunus spinosa	100- 120cm		0.5Ctr	Hedging stock ;Feathered Whip ;BR
108	Salix caprea	100- 120cm		0.5Ctr	Hedging stock ;Feathered Whip ;BR

TYPICAL TREE PIT DETAIL



WILDFLOWER AREA:
Meadowscape
Pro-Landscape-34 supplied
by Wildflower Turf Ltd

1 No. Quercus robur ANS

Soft landscaping within the visibility zone to be no higher then 0.6m

1 No. Carpinus betulus 'Lucas' EHS

Exiting adopted highway grass verge retained: area is not included within the landscaping requirements for the site and will remain public highway

Clipped & maintained to 600mm high
36 No. Lonicera pileata 5L

2 No. Carpinus betulus 'Lucas' EHS

Clipped & maintained to 600mm high
26 No. Lonicera pileata 5L

2 No. Acer campestre 'Streetwise' EHS

NATIVE SHRUB PLANTING MIX
35 No. Acer campestre 10%
35 No. Carpinus betulus 10%
35 No. Corylus avellana 10%
137 No. Crataegus monogyna 40%
35 No. Ilex aquifolium 10%
35 No. Prunus spinosa 10%
35 No. Salix caprea 10%

1 No. Quercus robur ANS

2 No. Acer campestre 'Streetwise' EHS

Adopted highway boundary

Exiting adopted highway grass verge retained: area is not included within the landscaping requirements for the site and will remain public highway

Clipped & maintained to 1.2m high
55 No. Escallonia rubra 'Crimson Spire' 5L

Wildflower Area:
Meadowscape
Pro-Landscape-34
supplied by Wildflower
Turf Ltd

Soft landscaping within the visibility zone to be no higher then 0.6m

Existing boundary vegetation to be retained and managed

Existing adopted highway grass verge retained: area is not included within the landscaping requirements for the site and will remain public highway

NATIVE SHRUB PLANTING MIX
12 No. Acer campestre 10%
12 No. Carpinus betulus 10%
12 No. Corylus avellana 10%
47 No. Crataegus monogyna 40%
12 No. Ilex aquifolium 10%
12 No. Prunus spinosa 10%
12 No. Salix caprea 10%

2 No. Quercus robur 'Fastigiata Koster' EHS

12 No. Lonicera nitida 'May Green' 5L

1 No. Quercus robur 'Fastigiata Koster' EHS

NATIVE SHRUB PLANTING MIX
20 No. Acer campestre 10%
20 No. Carpinus betulus 10%
20 No. Corylus avellana 10%
80 No. Crataegus monogyna 40%
20 No. Ilex aquifolium 10%
20 No. Prunus spinosa 10%
20 No. Salix caprea 10%

NATIVE SHRUB PLANTING MIX
6 No. Acer campestre 10%
6 No. Carpinus betulus 10%
6 No. Corylus avellana 10%
22 No. Crataegus monogyna 40%
6 No. Ilex aquifolium 10%
6 No. Prunus spinosa 10%
6 No. Salix caprea 10%

3 No. Acer campestre 'Streetwise' EHS

8 No. Euonymus fortunei 'Emerald Gaiety' 3L

1 No. Acer campestre 'Streetwise' EHS

NATIVE SHRUB PLANTING MIX
21 No. Acer campestre 10%
21 No. Carpinus betulus 10%
21 No. Corylus avellana 10%
81 No. Crataegus monogyna 40%
21 No. Ilex aquifolium 10%
21 No. Prunus spinosa 10%
21 No. Salix caprea 10%

35 No. Elaeagnus x ebbingei 'Compacta' 5L

NATIVE SHRUB PLANTING MIX
14 No. Acer campestre 10%
14 No. Carpinus betulus 10%
14 No. Corylus avellana 10%
55 No. Crataegus monogyna 40%
14 No. Ilex aquifolium 10%
14 No. Prunus spinosa 10%
14 No. Salix caprea 10%

5 No. Euonymus fortunei 'Emerald Gaiety' 3L

Evergreen Hedgerow - double staggered rows
128 No. Escallonia 'Apple Blossom' 5L

60 No. Prunus laurocerasus 'Otto Luyken' 5L

SITE TOTEM SIGNAGE

45 No. Euonymus fortunei 'Emerald Gaiety' 3L

40 No. Cornus alba 'Sibirica' 3L

30 No. Cornus alba 'Elegantissima' 5L

36 No. Cotoneaster 'Coral Beauty' 3L

18 No. Lonicera nitida 'May Green' 5L

Clipped & maintained to 1.2m high
50 No. Escallonia rubra 'Crimson Spire' 5L

Clipped & maintained to 1.2m high
37 No. Escallonia rubra 'Crimson Spire' 5L

Timber knee rail

28 No. Lonicera nitida 'May Green' 5L

TREES -with tree grille & guard
6 No. Pyrus calleryana 'Chanticleer' EHS
Soil Rooting Cells to increase rooting area for trees

TREE
2 No. Acer campestre Lienco
Soil Rooting Cells to increase rooting area for trees

TREE
1 No. Acer campestre Lienco
Soil Rooting Cells to increase rooting area for trees & provide linear root barrier adjacent to footpath edge

52 No. Lonicera nitida 'May Green' 5L

Evergreen Hedge - Clipped & maintained to 1.2m high
50 No. Escallonia rubra 'Crimson Spire' 5L

Timber knee rail

39 No. Lonicera nitida 'May Green' 5L

44 No. Elaeagnus x ebbingei 'Compacta' 5L

TREES -with tree grille & guard
6 No. Acer campestre 'Elsrijk' EHS
Soil Rooting Cells to increase rooting area for trees

49 No. Elaeagnus x ebbingei 'Compacta' 5L

TREES
2 No. Acer campestre Lienco EHS

TREES
5 No. Acer campestre 'Streetwise' EHS

60 No. Cornus sanguinea 5L

TREE
1 No. Pyrus calleryana 'Chanticleer'

TREES
2 No. Acer campestre Lienco EHS

MIXED NATIVE HEDGE
55 No. Acer campestre 20%
55 No. Carpinus betulus 20%
28 No. Corylus avellana 10%
137 No. Crataegus monogyna 50%

MIXED NATIVE HEDGE
55 No. Acer campestre 20%
55 No. Carpinus betulus 20%
28 No. Corylus avellana 10%
138 No. Crataegus monogyna 50%

UNIT 1
DRIVE -THRU

UNIT 2
DRIVE -THRU

RETAIL UNIT

BOH

delivery & refuse

OUT

IN

ONE WAY

DRIVE THRU

NO RIGHT TURN

LOADING ONLY

M/C

Plant

path

RAMP MAX. GRADIENT 8%

ACO

SU

R9000

2100

NORTH

Scale 1:250@ A1

NOTES

Copyright: This drawing is the property of Bradford-Smith Landscape Architect. It must not be copied or reproduced or passed to a third party without written consent of Bradford Smith Ltd.

Dimensions: Only figured dimensions are to be taken from this drawing. All contractors must visit site and be responsible for taking and checking all dimensions related to the works shown on the drawing. All levels in meters.

Utilities/Highways/Environment: It is the responsibility of the client or their contractor to liaise with Utility Providers, Highways Authority's and Environment Agency and to ensure that all approvals are in place. It is the responsibility of the contractor to locate all underground services prior to construction.

Drawings: All drawings and levels to be checked on site prior to the construction works commencing on site. All drawings shall be read in conjunction with relevant landscape specifications.

Discrepancies: Any discrepancy on the drawings shall be referred to the CA immediately.

LEGEND

SOFT LANDSCAPE WORKS

- Proposed tree planting - Extra heavy standard; 14-16cm & 16-18cm girth
- Tree Grilles & Guards: Avon 15B (1500x1500x600,mm aperture); & Ullswater Tree Guard Colour: Matt Black RAL9005; including Root Rain hydrogrille; supplied by Green Blue Urban; refer to detail
- Proposed mixed native hedgerow (min. 400mm topsoil)
- Proposed clipped evergreen hedgerow (min. 400mm topsoil)
- Proposed clipped evergreen hedgerow (min. 400mm topsoil) maintained 1.2m high
- Buffer strip: Proposed mixed native shrub planting (min. 300mm topsoil); planted in groups 9-15 of the same species
- Proposed structure shrub planting (min. 400mm topsoil)
- Proposed ornamental shrub & ground cover planting beds (min. 400mm topsoil)
- Proposed wildflower grass areas - Meadowscape Pro Landscape-34supplied by Wildflower Turf Ltd & installed in accordance with manufactures instructions
- Soil Rooting Cells Structure Modules: supplied by GreenBlue Urban or similar approval; exact configuration TBC with Green Blue Urban & installed in accordance with the manufacturer's instructions
- Visibility sight lines zones: soft landscaping to be maintained below 0.6m high
- Adopted highway boundary: area is not included within the landscaping requirements for the site and will remain public highway
- Proposed Timber Knee Rail - 0.9m high. (*To match adjacent sites*)

NOTES

Existing trees & vegetation to be removed- refer to Barrell Consultancy Report & Drawing.

Tree Survey & RPA's - Barrell Consultancy Report & Drawing.

Underground Services: All pipe work shall be protected with Terram Root Guard (or similar approved) in the vicinity of new tree planting. No new services shall be located within the RPA of existing trees. External drainage and levels - Refer to Drainage & Highway Proposals Plan.

Hard landscape details and drainage - refer to Architects and Engineers details. For details on retaining structures, please refer to engineers / architects details.

Revisions

J 01-03-2023 Added the motorcycle bays & amended site layout
I 02-11-2022 Additional trees and amendments to taxt
H 27-09-2022 Amendments to site layout in accordance with HCC comments
G 19-08-2021 Additional trees to the southern boundary
F 29-04-2021 Additional trees and amendments to planting areas/ wildflower grass
E 14-04-2021 Amendments to planting areas
D 23-03-2021 Amendment to tree planting locations & added temporary fencing
C 03-03-2021 Amendment to Access to Aldi service yard
B 25-02-2021 Planting amended to incorporate revised layout
A 18-02-2021 Planning amended so revised layout

BRADFORD-SMITH
LANDSCAPE ARCHITECT

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Project
Waterloo Park, Elettra Avenue, Waterlooville, Hampshire, PO7

Client
HARGREAVES PROPERTIES LTD

Drawing Title
PROPOSED DETAILED PLANTING PLAN & SCHEDULE

Scale	Date	Drawn
1 : 250 @ A1	January 2021	MS

Drawing No.	Status	Revision
836-PP-P-01	PLANNING	J

- [ ] Preliminary
- [ ] Issued for Design/Information
- [x] Issued for Planning Approval
- [ ] Issued for Tender
- [ ] Issued for Construction
- [ ] As Built

SPECIFICATION NOTES

For Proposed Trees & Shrub Planting - These implementation and maintenance specification notes are for planning purposes only and do not constitute a detailed landscape specification.

SITE PREPARATION

Imported Topsoil

Imported topsoil shall be to BS 3882: 2015: *Specification for topsoil and requirements for use*, Multi-purpose grade - (Landscape 20) and be of medium texture with a high proportion of loamy material. It shall be free from subsoil, rubbish, roots of perennial weeds and other injurious to plant growth. Imported topsoil shall be from an approved source and a sample submitted and analyzed/tested at an independent approved laboratory.

Soil Handling: The soils shall be handled in accordance to the Good Practice Guide for Handling Soils. Soil handling shall only take place during the driest parts of the year to prevent compaction of the insitu soils.

All topsoil used for planting shall be tested by an approved Topsoil Analysts and any required amelioration or soil improver required shall be carried out in accordance with the topsoil Analyst Report. The topsoil shall be free from harmful trace elements, including phytotoxic and zootoxic elements harmful both to plant growth and man. The topsoil should be tested by physical and chemical analysis and should state clearly the physical characteristics of the soil, levels of micro-nutrients and chemical content. All fertilizers and added nutrients shall be applied by a qualified staff or supervised so the correct application is undertaken.

Preparation for Topsoil Re-spread

Topsoil shall be spread following completion of all hard landscape building works, following a thorough clearance and removal of building debris. Bottom of tree pit broken up to a depth of 150-200mm and scarify sides. Tree pits within soft landscape areas: min. 1000 x 1000mm x 300mm deep (min). Depth of tree pit dependant of depth of rootball; check dimensions of rootballs prior to planting. Tree pits backfilled with 300mm imported topsoil over subsoil. Tree pits within hard surface areas refer to construction detail on drawing.

Hedge and shrub planting areas: minimum 300mm deep. Wildflower Areas: Green-tech Low fertility soil is a specially blended growing medium created specifically for use with wild flower turf and seed.

Ameliorant's: Fertilizers & composts: Landscape contractor responsible to submitting imported topsoil analysis to inform requirements. All topsoil ameliorant's (compost & fertilizers), approved peat - free to PAS100 & incorporated during backfilling & cultivation at required rate to full depth of growing medium.

Backfilling with Topsoil

Tree pits and shrub beds shall be backfilled, in layers, with previously prepared topsoil excavated from the tree pit and imported topsoil as required. Topsoil thoroughly mixed with planting organic compost and slow release fertilizer shall be used to plant all trees, shrubs and hedges. All finished levels shall be 25mm above adjacent paving. The shrubs shall be shaken during backfilling to avoid air pockets and the soil must be firmed as the hole is filled. All backfilled material shall include an organic compost and slow release fertilizer.

Cultivation: Topsoil shall be cultivated to a minimum of 400-450mm deep on planting areas to a medium tilth, removing all rubbish, vegetation, perennial weeds, roots, stones over 50mm in any one dimension and raked to even levels.

PLANTING

Plant Stock and Timing

Plant material shall conform to BS 3936 Part 1: 1992, Part 2: 1990; Part 9: 1998; Part 10: 1990 and BS4043: 1989 and shall be protected at all times in transit to the site. The planting season shall be from 1st October to the 31st March. Planting shall not be carried out during periods of frost, drought, cold drying winds, or when the soil is waterlogged.

The planting shall be carried out in the first planting season following practical completion of the building and hard landscaping. Planting outside the planting season will require adequate watering to ensure establishment.

Planting

All trees, hedges & shrub planting shall be planted upright at the same depth as the nursery soil level and evenly spaced, leaving room for growth. Allow at least 300mm clearance between the rootball and the edge of the pit to facilitate staking and to allow adequate amount of backfill around the root ball. Trees shall be planted upright and at the same depth as the grown nursery soil level with the root collar being at finished soil level, and evenly spaced, leaving room for growth. Allow at least 150-300mm clearance between the rootball and the edge of the pit to facilitate staking and to allow adequate amount of backfill around the rootball.

Individual trees:

All new tree planting in accordance with BS8545:2014 *Trees: From Nursery to Independence in the Landscape - Recommendations.* Trees shall be pit planted and supported by either double or single staking dependant on girth of tree. Bare root trees to have single upright stake. Double staking - stakes: two untreated softwood stakes double tree staked with cross bar. Stakes shall be softwood, peeled chestnut or larch, free from projections and large knots, with one end pointed. Drive stakes vertically at least 300mm into bottom of the pit either side of rootball. Cross bar - 100 x 38mm secured to stakes using galvanised nails. Stakes above ground level - approximately one third of clear stem height - 750mm above ground level. Each stake secured to cross bar using galvanised nails. Tree secured to cross bar with rubber tree tie and tree cushion spacer/pad, fixed to support the tree. All fixing nails shall be galvanized annular ring.

Immediately following planting, all plants shall be watered-in to field capacity.

Tree & Shrub Shelters: To be confirmed on site if required. All native tree and shrub planting (hedgerows & native shrub / tree planting) shall be protected by an appropriate sized recyclable green shrub & tree shelters supplied by Tubex Ltd. Stake to be positioned on windward side of plant and driven vertically into the ground; stake attached to the shelter with a min. of two ties.

MULCH: Prior to the application of mulch, the planting areas shall be completely weed free and watered sufficiently to achieve field capacity. The surface of the planting areas shall be mulched with a layer of bark mulch. Native Shrub Planting Areas: ornamental bark mulch (8-35mm bark) to a depth of 50-75mm. All other planting beds a layer of fine composted bark mulch (0-8mm bark) to a depth of 50-75mm, ensuring that the low branches of shrubs plants are notsmothered. Supplied by AHS Ltd or similar approved. The mulch shall be topped-up to maintain, after settlement, a depth of not less than 50mm.

WILDFLOWER GRASS AREAS: seeded with Meadowscape Pro Landscape supplied by Wildflower Turf Ltd refer to drawing for exact locations. All seeded areas shall be seeded in accordance with the manufacturers instructions.

IMPLEMENTATION

All trees, hedges and shrub planting areas shall be carried out in the first planting season after all the building works and the hard landscaping areas have been set out and completed.

AFTER CARE PERIOD

Maintenance : The Aftercare Period shall extend for a five year period. During the Aftercare Period maintenance visits shall be carried out, at least monthly from April to September and twice during the dormant season to carry out the following operations to establish healthy growing plants in weed free areas. Maintenance operations shall include: watering, firming-up all plants and adjust tree ties, stakes & guards, pest and disease control, grass cutting, general pruning, hedge trimming, weed control, removal of litter, fork over beds, top up mulch and autumn tidying. Removal of defective plants and plant replacements in the following planting season.Replacement plant stock if required or necessary shall be of similar species, size and form with the appropriate support as the original specification. Minor pruning all woody plants to remove deadwood and achieve an overall balanced canopy - where necessary. Need to consider and avoid breeding bird season (March- July/August). Hedge trimming - Trimmed annually outside the bird nesting season which is March- July/August. Hedges should not be pruned until late summer so that wildlife can take advantage of the insects and fruits provided during the winter months. Check for invasive species and remove from site. Health & Safety: Trees adjacent to public paths or adjacent to buildings to be inspected annually and remedial tree works carried out where necessary.

Replacement Planting

All plants, which have died, are missing or have failed to thrive, shall be noted and replaced with the same size and species as originally planted, in the following planting season.