PLANTING SCHEDULES

LARGE FEATURE TREES (30-35CM)

Name	Form	Age/condition or x transplanted	Girth (cm)	Overall height (cm)	Clear stem (cm)	Root condition
Acer platanoides 'Emerald Green'	Semi-mature	4x	30-35	600-650	200	RB
Liquidambar styraciflua	Semi-mature	4x	30-35	600-650	200	RB
Platanus x hispanica	Semi-mature	4x	30-35	600-650	200	RB
Tilia x europaea 'Pallida'	Semi-mature	4x	30-35	600-650	200	RB
Quercus robur	Semi-mature	4x	30-35	600-650	200	RB

PLEACHED TREES (20-25CM)

Name	Form	Age/condition or x transplanted	Girth (cm)	Overall height (cm)	Clear stem (cm)	Root condition
Carpinus betulus	Pleached	4x	20-25	270	120	RB

STREET TREES (20-25CM)

Name	Form	Age/condition or x transplanted	Girth (cm)	Overall height (cm)	Clear stem (cm)	Root condition
Acer campestre 'Elsrijk'	Semi-mature	3x	20-25	500-550	200	RB
Acer rubrum	Semi-mature	3x	20-25	500-550	200	RB
Carpinus betulus 'Frans Fontaine'	Semi-mature	3x	20-25	500-550	200	RB
Corylus colurna	Semi-mature	3x	20-25	500-550	200	RB
Liriodendron tulipifera 'Fastigiata'	Semi-mature	3x	20-25	500-550	200	RB
Pyrus calleryana 'Chanticleer'	Semi-mature	3x	20-25	500-550	200	RB
Tilia cordata 'Greenspire'	Semi-mature	3x	20-25	500-550	200	RB
Quercus robur 'Fastigiata'	Semi-mature	3x	20-25	500-550	200	RB

ORNAMENTAL AND BOUNDARY TREES (12-14CM)

Name	Form	Age/condition or x transplanted	Girth (cm)	Overall height (cm)	Clear stem (cm)	Min. no of breaks/stems	Root condition
Acer campestre 'Elsrijk'	Heavy Standard	3x	12-14	350-425	200	5	RB
Acer campestris	Heavy Standard	3x	12-14	350-425	200	5	B
Acer platanoides 'Emerald Queen'	Heavy Standard	3x	12-14	350-425	200	5	RB
Amelanchier stolonifera	Multi-stem	3x	na	300-350	na	3 minimum	RB
Betula utilis var. jacquemontii	Heavy Standard	3x	12-14	350-425	200		RB
Cercidiphyllum japonicum	Multi-stem	3x	na	300-350	na	3 minimum	RB
Crataegus x prunifolia	Heavy Standard	3x	12-14	350-425	200	5	RB
Liquidambar styraciflua	Heavy Standard	3x	12-14	350-425	200	5	RB
Malus 'Everaste'	Heavy Standard	3x	12-14	350-425	200	5	RB
Malus 'Rudolph'	Heavy Standard	3x	12-14	350-425	200	5	RB
Malus sylvestris	Heavy Standard	3x	12-14	350-425	200	5	B
Prunus sargentii	Heavy Standard	3x	12-14	350-425	200	5	RB
Prunus serrula	Heavy Standard	3x	12-14	350-425	200	5	RB
Prunus 'Tai haku'	Heavy Standard	3x	12-14	350-425	200	5	RB
Pyrus calleryana 'Chanticleer'	Heavy Standard	3x	12-14	350-425	200	5	RB
Tilia x europaea	Heavy Standard	3x	12-14	350-425	200	5	B
Quercus ilex	Heavy Standard	3x	12-14	350-425	200	5	B

HEDGEROWS

Name	Overall height (cm)	Root condition	Habit
Carpinus betulus*	120	Container	na
Escallonia 'Apple Blossom'	60-80	15Lt	Bushy 7 Breaks
Euonymus japonicus 'Jean Hughes'	60-80	10Lt	Bushy 7 Breaks
Ilex crenata 'Convexa'	40-60	10Lt	Bushy 9 Breaks
Lonicera nitida	60-80	10Lt	Bushy 7 Breaks

* Instant hedging

AMENITY SHRUB PLANTING

Mix %	Name	Overall height / Ø dia (cm)	Root condition	Size of container (Litres)	Habit	Breaks	Density per m²
25	Berberis thunbergii 'Green Carpet'	40-60	Container	10Lt	Branched	7	2
25	Cotoneaster 'Coral Beauty'	40-60	Container	5-7.5Lt	Bushy	6	3
25	Lonicera nitida 'Maygrun'	40-60	Container	10Lt	Bushy	10	2
25	Symphoricarpos x chenaultii 'Hancock'	60-80	Container	10Lt	Branched	9	2

ORNAMENTAL SHRUB PLANTING 1 (OS 1)

Mix %	Name	Overall height / Ø dia (cm)	Root condition	Size of container (Litres)	Habit	Breaks	Density per m²
20	Cornus alba 'Elegantissima'	60-80	Container	5Lt	Branched	4	3
20	Choisya ternata 'Aztec pearl'	40-60	Container	10Lt	Bushy	7	3
15	Euonymus fortunei 'Emerald Gaiety'	25-30	Container	5Lt	Bushy	9	3
15	Prunus laurocerasus 'Otto Luyken'	40-60	Container	5Lt	Bushy	5	3
15	Spiraea japonica 'Anthony Waterer'	30-40	Container	5Lt	Branched	5	3
15	Viburnum tinus	30-40	Container	5Lt	Bushy	4	3

ORNAMENTAL SHRUB PLANTING 2 (OS 2)

Mix %	Name	Overall height / Ø dia (cm)	Root condition	Size of container (Litres)	Habit	Breaks	Density per m²
20	Elaeagnus x ebbingei	60-80	Container	10Lt	Branched	6	1
15	Hebe 'Mrs Winder'	30-40	Container	5Lt	Bushy	5	3
15	Hebe pinguifolia 'Sutherlandii'	20-30	Container	5Lt	Bushy	7	3
15	Hebe 'White Gem'	30-40	Container	5Lt	Bushy	7	3
30	Olearia x haastii	40-60	Container	10Lt	Bushy	9	1
15	Potentilla fruticosa 'Abbotswood'	30-40	Container	5Lt	Bushy	5	3

SHADE TOLERANT ORNAMENTAL PLANTING 1 (STP 1)

Mix %	Name	Overall height / Ø dia (cm)	Root condition	Size of container (Litres)	Habit	Breaks	Density per m²
10	Astelia 'Silver Shadow'	na	Container	2Lt	Full pot	na	3
10	Brunnera macrophylla 'Jack Frost'	na	Container	2Lt	Full pot	na	3
15	Carex morrowii 'Ice Dance'	na	Container	2Lt	Full pot	na	5
10	Dryopteris erythrosora	na	Container	3Lt	Full pot	na	3
10	Epimedium x youngianum 'Niveum'	na	Container	2Lt	Full pot	na	5
15	Euphorbia amygdaloides robbiae	na	Container	2Lt	Full pot	na	5
5	Hosta 'Frances'	na	Container	2Lt	Full pot	na	4
15	Luzula nivea	na	Container	2Lt	Full pot	na	4
10	Tellima grandiflora	na	Container	2Lt	Full pot	na	3

SHADE TOLERANT ORNAMENTAL PLANTING 1 (STP 2)

Mix %	Name	Overall height / Ø dia (cm)	Root condition	Size of container (Litres)	Habit	Breaks	Density per m²
10	Asplenium scolopendrium	na	Container	2Lt	Full pot	na	4
10	Astrantia major	na	Container	2Lt	Full pot	na	4
10	Bergenia cordifolia	na	Container	2Lt	Full pot	na	5
10	Carex oshimensis 'Evergold'	na	Container	2Lt	Full pot	na	5
5	Carex pendula	na	Container	2Lt	Full pot	na	3
10	Euphorbia polychroma	na	Container	2Lt	Full pot	na	2
10	Epimedium x perralchicum 'Frohnleiten'	na	Container	2Lt	Full pot	na	6
10	Liriope muscari 'Big Blue'	na	Container	2Lt	Full pot	na	4
10	Luzula sylvatica 'Aurea'	na	Container	2Lt	Full pot	na	4
5	Matteuccia struthiopteris	na	Container	2Lt	Full pot	na	3

ORNAMENTAL MIX 1 (OM 1)

Mix %	Name	Overall height / Ø dia (cm)	Root condition	Size of container (Litres)	Habit	Breaks	Density per m²
20	Abelia x grandiflora 'Francis Mason'	20-30	Container	3Lt	Bushy	3	4
20	Anemanthele lessoniana	na	Container	2Lt	Full pot	na	4
10	Centranthus ruber coccineus	na	Container	2Lt	Full pot	na	3
20	Hebe 'Autumn Glory'	20-30	Container	2Lt	Bushy	7	5
15	Geranium maonorrhizum 'Ingwersen's Variety'	na	Container	2Lt	Full pot	na	3
15	Pennisetum alopecuroides	na	Container	2Lt	Full pot	na	4

ORNAMENTAL MIX 2 (OM 2)

Mix %	Name	Overall height / Ø dia (cm)	Root condition	Size of container (Litres)	Habit	Breaks	Density per m²
30	Calamagrostis x acutiflora 'Karl Foerster'	na	Container	2Lt	Full pot	na	4
20	Echinops bannaticus 'Taplow Blue'	na	Container	2Lt	Full pot	na	3
15	Sedum 'Herbstfreude'	na	Container	2Lt	Full pot	na	3
20	Sesleria autumnalis	na	Container	2Lt	Full pot	na	4
15	Veronicastrum virginicum 'Fascination'	na	Container	2Lt	Full pot	na	3
*	Allium 'Purple Sensation' *	na	Bulb	na	Grade 12/+	na	3

*bulbs underplanted in groups of 3 per m²

ORNAMENTAL MIX 3 (OM 3)

Mix %	Name	Overall height / Ø dia (cm)	Root condition	Size of container (Litres)	Habit	Breaks	Density per m²
15	Bergenia purpurascens	na	Container	2Lt	Full pot	na	5
15	Calamagrostis brachytricha	na	Container	2Lt	Full pot	na	3
15	Lonicera pileata	20-30	Container	3Lt	Bushy	7	3
20	Miscanthus sinensis 'Morning Light'	na	Container	2Lt	Full pot	na	3
10	Persicaria amplexicaulis 'Firetail'	na	Container	2Lt	Full pot	na	3
10	Sedum 'Herbstfreude'	na	Container	2Lt	Full pot	na	2
15	Smyrnium olusatrum 'Aunt May'	na	Container	2Lt	Full pot	na	5

ORNAMENTAL MIX 4 (OM 4)

Mix %	Name	Overall height / Ø dia (cm)	Root condition	Size of container (Litres)	Habit	Breaks	Density per m²
10	Bergenia purpurascens	na	Container	2Lt	Full pot	na	5
20	Carex oshimensis 'Evergold'	na	Container	2Lt	Full pot	na	5
15	Crocosmia Emily McKenzie	na	Container	2Lt	Full pot	na	3
10	Euphorbia polychroma 'Major'	na	Container	2Lt	Full pot	na	4
15	Liriope muscari 'Big Blue'	na	Container	2Lt	Full pot	na	4
20	Luzula nivea	na	Container	2Lt	Full pot	na	4
15	Sesleria autumnalis	na	Container	2Lt	Full pot	na	4

FEATURE MIX 1 (FM 1)

Mix %	Name	Overall height / Ø dia (cm)	Root condition	Size of container (Litres)	Habit	Breaks	Density per m²
20	Abelia x grandiflora 'Frances Mason'	30-40	Container	3Lt	Bushy	3	4
15	Achillea 'Moonshine'	na	Container	2Lt	Full pot	na	4
15	Astrantia major 'Buckland'	na	Container	3Lt	Full pot	na	4
10	Aster 'Little Carlow'	na	Container	3Lt	Full pot	na	4
10	Helianthus 'Lemon Queen'	na	Container	2Lt	Bushy	3	3
15	Salvia nemorosa	na	Container	2Lt	Full pot	na	4
15	Sedum 'Herbstfreude'	na	Container	2Lt	Full pot	na	3

FEATURE MIX 2 (FM 2)

Mix %	Name	Overall height / Ø dia (cm)	Root condition	Size of container (Litres)	Habit	Breaks	Density per m²
15	Anemanthele lessoniana	na	Container	2Lt	Full pot	na	4
10	Euphorbia griffithii 'Fireglow'	na	Container	2Lt	Full pot	na	4
20	Ilex crenata 'Convexa'	20-30	Container	3Lt	Bushy	5	3
10	Geum Mrs J Bradshaw	na	Container	2Lt	Full pot	na	5
10	Knophofia 'Ivery King'	na	Container	2Lt	Full pot	na	3
15	Miscanthus sinensis 'Kleine Silberspinner'	na	Container	2Lt	Full pot	na	3
10	Nandina domestica 'Fire power'	20-30	Container	3Lt	Bushy	4	5
10	Rudbeckia fulgida var. sullivantii 'Goldsturm'	na	Container	2Lt	Full pot	na	4

FEATURE MIX 3 (FM 3)

Mix %	Name	Overall height / Ø dia (cm)	Root condition	Size of container (Litres)	Habit	Breaks	Density per m²
50	Stipa gigantea	na	Container	3Lt	Full pot	na	3
50	Verbena bonariensis	na	Container	1Lt	Full pot	na	5
*	Allium gigantieum*	na	Bulb	na	Grade 12/+	na	3

*bulbs underplanted in groups of 3 per m²

FEATURE MIX 4 (FM 4)

Mix %	Name	Overall height / Ø dia (cm)	Root condition	Size of container (Litres)	Habit	Breaks	Density per m²
10	Allium schoenoprasum	na	Container	2Lt	Full pot	na	5
15	Anethum graveolens	na	Container	1Lt	Full pot	na	4
20	Fragaria vesca	na	Container	2Lt	Full pot	na	4
15	Mentha spicata	na	Container	2Lt	Full pot	na	4
10	Origanum vulgare 'Aureum'	na	Container	2Lt	Full pot	na	4
10	Rosmarinus officinalis 'Prostratus'	na	Container	2Lt	Bushy	6	4
10	Salvia officinalis 'Purpurascens'	na	Container	2Lt	Full pot	na	4
10	Thymus vulgaris	na	Container	2Lt	Full pot	na	5

NATIVE SHRUB PLANTING

Mix %	Name	Overall height / Ø dia (cm)	Root condition	Size of container (Litres)	Habit	Breaks	Density per m²
25	Crataegus monogyna	60-80	B	na	na	na	1
5	Ilex aquifolium	40-60	Container	2Lt	Bushy	3	3
15	Ligustrum vulgare	60-80	B	na	na	na	2
5	Prunus spinosa	60-80	B	na	na	na	2
10	Prunus cerasifera	60-80	B	na	na	na	2
10	Rosa canina	60-80	B	na	Branched	3	2
10	Rosa canina	60-80	B	na	Branched	3	2
10	Sambucus nigra	60-80	B	na	na	na	2
10	Viburnum opulus	60-80	B	na	na	na	2

NATIVE MIXED SPECIES HEDGE

Mix %	Name	Form	Age/condition or x transplanted	Overall height / Ø dia (cm)	Size of container (Litres)		Habit
20	Corylus avellana	Transplant - seed raised	1+2	80-100		B	Branched
20	Crataegus monogyna	Transplant - seed raised	1+2	80-100		B	
20	Ilex aquifolium	Leader with laterals	1+2	80-100	10Lt		Leader and Laterals
20	Ligustrum vulgare	Cutting, branched	0/2	80-100	10Lt		Bushy
20	Prunus spinosa	Transplant - seed raised	1+2	80-100		B	Branched

MARGINAL/ AQUATIC PLANTING

Mix %	Name	Overall height / Ø dia (cm)	Root condition	Size of container (Litres)	Habit	Breaks	Density per m²
15	Acorus gramineus 'Variegatus'	na	Container	2Lt	Full pot	na	5
15	Alisma plantago aquatica	na	Container	2Lt	Full pot	na	3
10	Butomus umbellatus	na	Container	2Lt	Full pot	na	4
10	Iris pseudacorus	na	Container	2Lt	Full pot	na	3
15	Juncus effusus	na	Container	2Lt	Full pot	na	4
20	Lythrum salicaria	na	Container	2Lt	Full pot	na	4
15	Sparganium erectum	na	Container	2Lt	Full pot	na	3

SITE BOUNDARIES

- OVERALL APPLICATION BOUNDARY
- BUILDING AND PODIUM BOUNDARY

PROPOSED SOFT LANDSCAPE

- EXISTING TREES — REFER TO ARBORICULTURAL IMPLICATIONS ASSESSMENT BMD.17.023.RP.902
- LARGE FEATURE TREES — 30-35CM GIRTH & 20-25CM
- STREET TREES — 20-25CM GIRTH
- PLEACHED TREES — 25-30CM GIRTH
- ORNAMENTAL TREES — 12-14CM GIRTH
- BOUNDARY TREES — 12-14CM GIRTH
- FORMAL SINGLE SPECIES HEDGE
- SHRUB / ORNAMENTAL PLANTING
- NATIVE SHRUB PLANTING
- NATIVE HEDGE
- AMENITY GRASS
- WETLAND WILD FLOWER MIX — EMORGATE EM5 - MEADOW MIXTURE FOR CHALK & LIMESTONE SOILS
- MARGINAL PLANTING
- GREEN ROOF — BAUDER / SARNAFIL SEDUM ROOF OR SIMILAR
- CONTOURS FOR PROFILED LANDFORM

FOR CLIMBING AND TRAILING PLANTS REFER TO VERTICAL LANDSCAPES DRAWINGS BMD.17.023.DR.307 AND 308

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NOTES:

1. THIS DRAWING IS BASED ON BMD DRAWING BMD.17.023.DR.P100 OVERALL GENERAL ARRANGEMENT
2. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ALL OTHER LANDSCAPE DRAWINGS SUBMITTED AS PART OF THE OVERALL APPLICATION
3. THIS DRAWING IS NOT INTENDED FOR CONSTRUCTION
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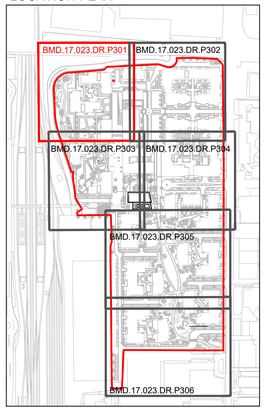
6. THIS PLANNING APPLICATION HAS BEEN CO-ORDINATED WITH NETWORK RAIL APPLICATION N6/2013/2305/MA
7. TREE HANDLING AND PLANTING TO BS 8545:2014 TREES: FROM NURSERY TO INDEPENDENCE IN THE LANDSCAPE - RECOMMENDATIONS

LOCATION PLAN



Rev	Description	Date
B	PEDESTRIAN BRIDGE AMENDMENTS	27/09/18
A	LPA COMMENTS ADDRESSED	12/06/18

Purpose of Issue
PLANNING

Bradley Murphy Design Ltd
5 The Courtyard
Hatton Technology Park
Dark Lane
Hatton
Warwickshire
CV35 8XB

t: 01926 676496
e: info@bradleymurphydesign.co.uk
www.bradleymurphydesign.co.uk

BMD LANDSCAPE DESIGN PLANNING

Client
PLUTUS ESTATES (WGC) LTD & METROPOLITAN HOUSING TRUST

Project
Broadwater Road, Welwyn Garden City

Drawing Title
Planting Plan- Sheet 1 of 6

Drawn	Checked	Approved	Date
CR	CC	RW	11.01.2018
Job No.	Scale	Sheet Size	Revision
17.023	1:250	A1	B

Drawing Number
BMD.17.023.DR.P301