Town Park of Phase 2
Legend
Soft Landscape

Existing Trees
To be retained and protected to BS5837:2012
For details refer to tree survey carried out by tree fabrik

Existing Trees
To be Removed

Existing Shrubs/Hedge
To be removed

Proposed Tree Planting
Product: Standard Tree with 2m clear stem
Size/Spec: Refer to plant schedule for details
Supplier: Folia or similar approved
Note: All trees are to be tagged by landscape architect prior to delivery.

Existing Shrubs/Hedge
To be retained

Proposed Native Hedge Planting
Product: Field grown plant stock
Size/Spec: Refer to plant schedule for details
Supplier: Folia or similar approved
Note: All batches of species are to be labelled prior to delivery, all roots are to be protected during transit to prevent roots drying out. Once deliveried to site, plants are to be heeled in and planted within five working days.

Proposed Clipped Formal Hedge Planting
Size/Spec: Refer to plant schedule for details
Supplier: Folia or similar approved
Note: All batches of species are to be labelled prior to delivery.

Proposed Ornamental shrub planting

Grass Type 1: Proposed Amenity Grass
Product: A4 Seed Mixture
Supplier: British Seed Housing or similar approved
Note: Seeds are to be sown at a rate of 35-45grams per m2 refer to BSH for details

Grass Type 2: Proposed Meadow
Product: EM2 Meadow Mixture
Supplier: Emorsgate Seeds
Note: Seeds are to be sown at a rate of 4-8grams per m2 refer to Emorsgate for details
All meadow species are to be sown on non-fertile soils

Grass Type 3: Proposed Damp Meadow Grass
Product: EP1 Pond Edge Mixture
Supplier: Emorsgate Seeds
Note: Seeds are to be sown at a rate of 4-8grams per m2 refer to Emorsgate for details
All meadow species are to be sown on non-fertile soils

Proposed mown paths through wildflower meadow grass

Reserved Matters application boundary for Town Park of Phase A

Borough boundary

Proposed Planting

Proposed Parkland Tree Planting

Species	Common Name	Symbol	Size/Spec	Condition	Quantity
Acer campestre	Field Maple	Ac	16-18cmg	RB	22
Aesculus hippocastanum	Horse Chestnut	Ah	20-25cmg	RB	24
Betula pendula	Birch	Bp	16-18cmg	RB	29
Betula utilis subsp. jacquemontii	Himalayan Birch	Bu	16-18cmg	RB	38
Crataegus laevigata 'Pauls Scarlet'	Hawthorn	CfPS'	14-16cmg	RB	6
Crataegus monogyna	Hawthorn	Cm	14-16cmg	RB	7
Carpinus betulus	Hornbeam	Cb	16-18cmg	RB	12
Prunus avium	Cherry	Pa	14-16cmg	RB	17
Quercus robur	English Oak	Qr	25-30cmg	RB	43

Proposed Hedge Planting

Species	Common name	Size/Spec	Condition	Spacing	Quantity
Fagus sylvatica	Beech	125-150cm	BR	5/ lin m	2155

Proposed Native Buffer Planting

Species	Common name	Size/Spec	Condition	%mix	Density	Quantity
Cornus sanguinea	Common Dogwood	300-600mm	BR	15	2m²	117
Crataegus laevigata	Midland hawthorne	300-600mm	BR	15	2m²	117
Crataegus monogyna	Common hawthorne	300-600mm	BR	15	2m²	117
Ilex aquifolium	Holly	300-600mm	BR	5	2m²	40
Prunus spinosa	Blackthorne	300-600mm	BR	15	2m²	117
Rosa arvensis	Field Rose	300-600mm	BR	5	2m²	40
Rosa canina	Dog Rose	300-600mm	BR	5	2m²	40
Rubus fruticosus	Blackberry	300-600mm	BR	5	2m²	40
Salix caprea	Goat Willow	300-600mm	BR	10	2m²	79
Viburnum opulus	Guelder Rose	300-600mm	BR	10	2m²	79

A4 Seed Mixture - Proposed Amenity Grass (GRT1)

A4 is suitable for creating natural grassland landscapes where minimal maintenance is required. It's adaptable to a range of cutting heights making it ideal for whip plantings or left to grow to form an attractive seed head canopy. Wild flower species can also be added to this mixture for increased diversity. For very low nutrient situations ABERACE miniature leaved white clover can be incorporated to provide a free constant supply of nitrogen.

Grasses (100%)

Species	%	Grams/m²
Aniset Strong Creeping Red Fescue	40	35
Raisa Chewings Fescue	30	35
Mentor Hard Fescue	25	35
Highland Bent Grass	5	35

EM2- Proposed Meadow Mixture (GRT2)

EM2 meadow mixture contains species that are characteristic of traditional meadows across a wide range of soil types.
The mix ratio and specification are to be considered and approved by the EA and LPA.

Wild Flowers (20%)

Species	Common Name	%	Grams/m²
Achillea millefollum	Yarrow	0,5	4
Centaurea nigra	Knapweed	0,5	4
Daucus carota	Wild Carrot	1,0	4
Galium verum	Ladies Bedstraw	2,5	4
Knautia arvensis	Field Scabious	1,0	4
Leucanthemum vulgare	Oxeye Daisy	2,0	4
Lotus corniculatus	Birdsfoot trefoil	0,2	4
Plantago lanceolata	Ribwort Plantain	1,0	4
Primula veris	Cowslip	1,5	4
Prunella vulgaris	Self-Heal	2,5	4
Ranunculus acris	Meadow Buttercup	3,0	4
Ranunculus bulbosus	Bulbous Buttercup	2,0	4
Rhinanthus minor	Yellow Rattle	1,5	4
Rumex acetosa	Common Sorrel	0,8	4

Grasses (80%)

Species	Common Name	%	Grams/m²
Agrostis capillaris	Common Bent	8,0	4
Cynosurus cristatus	Crested Dogstail	40,0	4
Festuca rubra	Slender Creeping Red Fescue	28	4
Phleum bertolonii	Smaller Cat's-Tail	4	4

Proposed Sports Grass (GRT3)

Grass Seed to be pitch grade as recommended by British Seed Houses

EP1 - Proposed Damp Meadow Grass (GRT4)

Pond edge mixture EP1 contains wild flowers and grasses suitable for sowing at the wet margins of ponds, streams and ditches. The mix ratio and specification are to be considered and approved by the EA and LPA.

Wild Flowers (20%)

Species	Common Name	%	Grams/m²
Achillea ptarmica	Sneezewort	0,5	4
Angelica sylvestris	Wild Angelica	2,5	4
Caltha palustris	Marsh Marigold	0,5	4
Eupatorium cannabinum	Hemp Agrimony	0,5	4
Filipendula ulmaria	Meadowsweet	2,5	4
Geum rivale	Water Avens	0,8	4
Hypericum tetrapterum	Square St John's Wort	0,5	4
Iris pseudacorus	Yellow Iris	2,5	4
Lotus pedunculatus	Greater Birdsfoot Trefoil	1,0	4
Lychnis flos-cuculi	Ragged Robin	0,5	4
Lycopus europaeus	Gipsywort	1,0	4
Lythrum salicaria	Purple Loosestrife	1,5	4
Pulicaria dysenterica	Fleabane	0,2	4
Ranunculus acris	Meadow Buttercup	1,0	4
Scrophularia auriculata	Water Figwort	0,2	4
Succisa pratensis	Devil's-bit Scabious	0,8	4
Thalictrum flavum	Common Meadow-Rue	1,5	4
Vicia cracca	Tufted Vetch	2,0	4

Grasses (80%)

Species	Common Name	%	Grams/m²
Agrostis capillaris (w)	Common Bent	12	4
Alopecurus pratensis (w)	Meadow Foxtail	3	4
Anthoxanthum odoratum (w)	Sweet Vernal-grass	2	4
Briza media (w)	Quaking Grass	1	4
Cynosurus cristatus	Crested Dogstail	36	4
Deschampsia cespitosa (w)	Tufted Hair-grass	1	4
Festuca rubra ssp. juncea (w)	Slender Creeping Red Fescue	25	4

Planting Specification

Proposed Tree Planting
To be planted in the first available planting season after construction as root balled stock. Tree pit dimensions are subject to soil conditions, soil report provided by Agronomist and rootball size. Tree pit sizes are to be agreed with Landscape Architect prior to excavations. All tree pits are to be inspected by the Landscape Architect prior to planting. All tree pits to have irrigation pipe and end cap, 150mm depth aggregate drainage layer with geotextile separation layer and horticultural grade sand to support root ball, Trees within hard landscape areas to have Silvacell tree pit or similar and approved.

- All trees to be supplied by Folia or similar and approved.
- All topsoil to conform to BS 3882:2007 'Multipurpose' or better. The tree pit shall be backfilled with previously prepared topsoil excavated from the pit and additional topsoil as required.
- All backfilled material is to include an organic slow release fertilizer to the N.P.K ratio of 10.0-7.5-10.2 (Vitax Q4HN or similar approved).
- Tree support to be underground anchors to BS 4043: 1989 'Recommendations for Transplanting Root-Balled Trees' for trees in excess of 20cm girth, For trees under this size two untreated softwood stakes at min 7.5cm diameter @ 230 cm length driven into the ground to either side of the rootball, top of stake to min 750mm height above finished soil level. The stem of the tree should be fixed in place with 'Toms' tree ties or similar and approved. Ties and stakes to be checked and adjusted every six months or after periods of strong wind and rain.
- Tree pit root barrier to be installed to all trees within 3m of any underground service route. Barrier material to be agreed. Contractor to confirm locations of all services prior to implementation.

Tree pit size guidelines:

Tree size	Rootball Size	Tree pit size (length, width, depth)
12-14 cmg	40x40cm	70x70x65cm
14-16 cmg	50x50cm	80x80x65cm
16-18 cmg	50x50cm	80x80x65cm
18-20 cmg	60x60cm	80x80x75cm
20-25 cmg	70x60cm	90x90x75cm
25-30 cmg	80x60cm	100x100x75cm

Proposed Hedge Planting
To be planted in a minimum of 300mm depth approved topsoil to BS 3882:2007 'Multipurpose' or better in the first available planting season after construction.
All shrubs are to be planted as container stock unless otherwise specified (5litre), all stock is to be well rooted into the container. All hedge are to be planted in double staggered rows.
All shrubs are to be planted with a slow release organic fertilizer to a N.P.K ratio of 4.5-2.0-7.7+0.8%mg (vitax or similar approved) and backfilled with a mixture of excavated top soil and compost (not peat based). A minimum of 50 mm approved ornamental grade bark mulch is to be applied to planting areas unless stated otherwise.

Proposed Native Planting
To be planted in a minimum of 300mm depth approved topsoil to BS 3882:2007 'Multipurpose' or better in the first available planting season after construction. All shrubs are to be planted as bareroot stock unless otherwise specified.

All shrubs are to be planted with a slow release organic fertilizer to a N.P.K ratio of 4.5-2.0-7.7+0.8%mg (vitax or similar approved) and backfilled with a mixture of excavated top soil and compost (not peat based). A minimum of 50 mm approved ornamental grade bark mulch is to be applied to planting areas unless stated otherwise.

All bareroot stock is to be protected on site to prevent drying out. If delivered stock on site is not planted the same day all bareroot stock is to be healed in and kept watered.

Planting Guidelines

- All planting and landscape operations should comply with the requirements specified in BS 3936:1992 'Nursery Stock (Part One)' and BS 4428:1998 'Code of Practice for General Landscape Operations (excluding hard surfaces).
- All topsoil and testing to conform to BS 3882:2007 'Specification for Topsoil and Requirements for Use.
- All topsoil used for planting to be tested by an approved Topsoil Analyst and any required amelioration or soil improvements to be carried out inline with Analyst's report.
- All fertilizers are to be applied or supervised by qualified staff to avoid the action of plasmolysis.

Maintenance Notes - Overview

- All landscaped areas are to be maintained for 12 months or until the plants have established.
- All trees are to be maintained for 36 months.
- All planted areas to be kept clear of weeds at all times throughout maintenance period.
- Planted areas to be forked through regularly to keep soil loose and aerated.
- All litter and debris to be removed from landscaped areas and carted off site.
- Plants pruned as instructed by the Landscape Architect to promote healthy growth and to remove dead and diseased wood.
- Watering as required to maintain healthy growth (allow for 24 N° waterings min/mum).
- Any species that dies or fails to establish in the first five years should be replaced by an identical species.
- Allow for a minimum of 24 maintenance visits.

Additional Notes

- Existing levels to be preserved around existing trees and vegetation to be retained.
- Existing trees and vegetation to be retained are to be protected during construction to BS 5837:2012 'Trees in Relation to Design, Demolition and Construction'.
- Any necessary tree works to be carried out by an approved tree surgeon to BS 3998:2010 'Recommendations for Tree Works'.
- All planting in visibility splays should be maintained below 600mm in height.
- For all arboricultural issues refer to survey and reports carried out by other consultants.
- Final location and tree species selection will be subject to service report and foundation depths to be provided by engineers.
- All planting to have adequate rabbit and deer protection.

m 0 5 10 15 20 25
SCALE
1:250

north

Notes

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2. Only figured dimenslons 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.

No.	Date	Reason	Name
A	09-05-14	Amendments to planting layout surrounding play area	trb

Revisions

External References:
- -
- -

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Project
Town Park, Phase A, Berewood, Waterlooville
for Grainger

Drawing
Plant Schedule
to be read with D2050.L.TPA.301-304

Scale	Date	Drawn
1:250 @ A1	November 2014	klk

Drawing No.	Revision
D2050 L.TPA. 300	A

- ☐ Preliminary
- ☐ Issued for Design/Information
- ■ Issued for Planning Approval
- ☐ Issued for Tender
- ☐ Issued for Construction
- ☐ As Built

Drawing sheet size - A1

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