

GENERAL SPECIFICATION

1 - IMPLEMENTATION

General

All works shall be undertaken to recognised good horticultural practice and to relevant British Standards. The quality of all landscape works shall be carried out in accordance with British Standard 4428:1989 'Code Of practice For General Landscape Operations'.

All trees and other plants included within the approved details shall be healthy, well-formed specimens of a minimum quality that is compatible with British Standard 3936:1992 (Part 1) 'Specifications for Trees & Shrubs' and British Standard 4043:1989 (where applicable).

Biosecurity

'BS 8545:2014 Trees: From Nursery to Independence in the Landscape' shall be adhered to. In the interest of Biosecurity, trees should not be imported directly from European suppliers and planted straight into the field, unless they have appropriate certification that they are 100% disease free and have come from an area with no known horticultural diseases; If disease free certification is not possible, the trees shall have spent a full growing season in quarantine, in a British nursery to ensure plant health and non-infection by foreign pests and diseases. This is a measure to address the threat of the introduction of pests and diseases from outside the UK.

Soiling and ground preparation

- Topsoil depths generally
 - Trees: per Tree Pit Detail, minimum 350mm depth topsoil.
 - Shrub, hedge and whip areas: minimum 350mm depth topsoil.
 - Armeny grass areas: minimum 150mm depth topsoil.
 - Wildflower / meadow areas: minimum 150mm depth topsoil.
- Topsoil laid over prepared subsoil. Underlying subsoil shall be broken up / ripped as required to provide adequate drainage. Rubble / excess kerb haunching shall be fully removed.
- Topsoil shall be kept weed-free prior to planting by hand weeding or use of non-residual herbicides.
- In existing topsoiled areas, the depth of soil shall be checked to ensure minimum requirements noted above are achieved.
- Existing topsoil shall be reused from site where possible. A topsoil analysis test should be undertaken, and supplied to the project Landscape Architect, to assess the pH level, structural analysis and nutrient composition of the soil and to confirm that there are no harmful levels of toxins present.
- Imported topsoil, if required, should be compatible in pH with existing soil on site and shall comply with BS3882: 2015 Multipurpose topsoil. A topsoil analysis certificate is required to indicate compliance with this specification.
- Additional PAS 100 peat free organic matter shall be incorporated into the topsoil in shrub planting areas and tree pits at a ratio of 1 cubic metre per 20 cubic metres and thoroughly mixed in prior to planting.
- Organic fertilisers shall be incorporated as recommend by the topsoil analysis in shrub, hedge, tree planting and amenity grass areas (only) to ensure there are sufficient plant nutrients within the soil. No fertiliser to be applied to wildflower / meadow areas.

Planting - General

- All shrub planting and hedgerows to be mulched with minimum 50mm settled depth medium graded ornamental bark mulch to suppress weeds.
- Whip planting to be mulched with 50mm minimum settled depth medium grade woodchip mulch.
- Protect whip planting with suitable guards:
 - Hedge Planting whips: Planet Tree Guards (0.6m ht; green).
 - Native Buffer Planting whips: Tubex Shrubshelter Plus guards (0.6m ht; 144-200cm; green) or equal approved.
- Amenity grass areas shall be turfed or seeded as specified, laid / sown onto a cultivated, weed free, level bed with a fine tilth. Turf to be laid / seed to be sown as per supplier's recommendations.
- Wildflower / Wet Meadow planting shall be from seed as specified, applied per the supplier's recommendations and sown into unfertilised topsoil, preferably existing topsoil retained from site. Treat planting areas with a suitable herbicide to remove existing vegetation / perennial weeds. Allow a suitable fallow period and reapply herbicide if required. Work topsoil into a fine tilth creating a suitable, cultivated, level bed prior to seeding. NO fertilisers shall be used.

Planting - Trees

All tree planting to be in accordance with BS8545:2014

- Tree pits, to be square in plan, excavated to a minimum size of 600mm larger than the rootball. Base of pit to be slightly domed; not to be broken up unless drainage problems are apparent.
- Tree pit guide size guide: Selected Standard size and above / feathered trees above 3.0m height: 1200mm x 1200mm, depth as per rootball*.
- Standard tree and smaller / feathered tree below 3.0m height: pit to be 1000mm x 1000mm. Depth as per rootball*.
- Bare root trees. Base of pit to have dome of soil to support roots / tree at original level in the nursery.
- Tree pit backfill to reflect soil profile - ie: subsoil up to approx. 400mm from ground surface, topsoil above, approx. 400mm depth.
- 1m diameter watering 'dishes' to be formed around the base of each tree, to hold water directly over rootball during watering.
- Rootballed / container grown trees to be double staked, with a low cross bar, fixed with rubber tree ties.
- Bare root trees shall be single staked, fixed with rubber tree ties.
- Trees outside planting areas to be mulched with minimum 50mm settled depth, medium graded ornamental bark mulch to 1m diameter.

Timing and monitoring of planting works

These specifications have been prepared based on planting within the planting season (1st November to 31st March inclusive) following substantial completion of the major construction and groundworks. The developer may however, undertake planting prior to this, outside the planting season, using fully containerised planting material. This is on the understanding that increased watering will be required to establish the planting successfully. Grass / wildflower seeding planting shall be undertaken in Spring. All planting works will be undertaken and supervised by a competent professional landscape contractor.

2 - LANDSCAPE MAINTENANCE AND MANAGEMENT

- Refer to the 954_Landscape Management Plan

NOTES

- This drawing is issued for planning purposes only and should not be used for construction purposes.



B	Issued for planning	2021-12-15	LS	ZH
A	First issue	2021-09-10	LS	ZH
rev	description	date	by	chk

project
BOGNOR REGIS CREMATORIUM

client
WESTERLEIGH

drawing title
DETAILED PLANTING PLAN SHEET 1 OF 3

drawing number	revision	status	scale
954-PP-01	B	PLANNING	1:500 @ A1

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PLANT SCHEDULE

Trees

Number	Species	Height	Girth	Specification
7 No.	Alnus cordata	4.0-4.5m	14-16cm	BR :Extra Heavy Standard
2 No.	Alnus glutinosa	4.0-4.5m	14-16cm	BR :Extra Heavy Standard
6 No.	Alnus glutinosa	150-175cm		2x :BR
3 No.	Amelanchier lamarkii	250-300cm		Multi-stem Umbrella :RB :Single staked
7 No.	Betula pendula	2.5-3.0m	8-10cm	BR :Standard
8 No.	Betula pendula	4.0-4.5m	14-16cm	BR :Extra Heavy Standard
21 No.	Betula pendula	150-175cm		2x :BR
3 No.	Betula pubescens	150-175cm		2x :BR
1 No.	Crataegus monogyna	2.5-3.0m	8-10cm	BR :Standard
3 No.	Crataegus x prunifolia	4.0-4.5m	14-16cm	BR :Extra Heavy Standard
1 No.	Davidia involucrata	3.0-3.5m	10-12cm	C :Select Standard
8 No.	Pinus sylvestris	2.5-3.0m		C :Feather :Bushy
5 No.	Pinus sylvestris	1.5-1.75m		C :Feather :Bushy
16 No.	Prunus avium	4.0-4.5m	14-16cm	BR :Extra Heavy Standard
2 No.	Quercus robur	4.0-4.5m	14-16cm	RB :Extra Heavy Standard
1 No.	Sorbus 'Joseph Rock'	2.5-3.0m	8-10cm	BR :Standard
3 No.	Sorbus 'Pink Pagoda'	2.5-3.0m	8-10cm	BR :Standard
4 No.	Sorbus commixta	2.5-3.0m	8-10cm	BR :Standard
3 No.	Sorbus intermedia	4.0-4.5m	14-16cm	BR :Extra Heavy Standard

Total :104 No.

Mixed Native Hedge

Number	Species	Height	Specification	% Mix
164 No.	Acer campestre	60-80cm	BR	20%
164 No.	Cornus sanguinea	60-80cm	BR	20%
324 No.	Crataegus monogyna	60-80cm	BR	40%
164 No.	Ligustrum vulgare	60-80cm	BR	20%

Total :816 No.

- Double staggered. Rows 500mm apart with plants at 500mm centres.
- Whips to be protected with 600mm high 'Planet' tree guard shelters or similar approved.

Beech Hedge - Semi-Instant

Length	Species	Abbreviation	Specification	Height	Density
199m	Fagus sylvatica	FS_Sl	Semi-instant; 1m bags	1.2m	5/m

Total :199m

Beech Hedge - Bare Root

Number	Species	Abbreviation	Height	Specification
1814 No.	Fagus sylvatica	FS_BR	100-125cm	BR: Double staggered

Total :1814 No.

Boxwood Hedge - Semi-Instant

Length	Species	Abbreviation	Height	Specification	Density
46m	Buxus sempervirens	BUX SEM	30-40cm	Semi-instant; 1m bags	5/m

Total :46m

Wet Scrub Mix

Number	Species	Height	Specification	% Mix	Density
32 No.	Betula pubescens	100-125cm	BR	2.5%	1Ctr
62 No.	Cornus alba 'Kesselringii'	60-80cm	BR	5%	1Ctr
62 No.	Cornus alba 'Sibirica'	60-80cm	BR	5%	1Ctr
248 No.	Cornus sanguinea	60-80cm	BR	20%	1Ctr
62 No.	Cornus stolonifera 'Flaviramea'	60-80cm	BR	5%	1Ctr
62 No.	Salix alba 'Chermesina'	60-80cm	BR	5%	1Ctr
62 No.	Salix caprea	60-80cm	BR	5%	1Ctr
62 No.	Salix cinerea	60-80cm	BR	5%	1Ctr
62 No.	Salix daphnoides	60-80cm	BR	5%	1Ctr
248 No.	Salix purpurea	60-80cm	BR	20%	1Ctr
32 No.	Sambucus nigra	60-80cm	BR	2.5%	1Ctr
248 No.	Symphoricarpos chenaultii 'Hancock'	30-40cm	BR	20%	1Ctr

Total :1242 No.

- Planted at 1.0m centres in random groups of 3-9 of the same species.
- Plant stock to be bare root 1 + 1 Transplants except Ilex which is to be 3L containerised.
- Whips to be protected with 600mm high 'Planet' tree guard shelters or similar approved.

Shrubs

Number	Species	Height	Pot Size	Specification	Density
112 No.	Cistus corbariensis	30-40cm	3L	C	4/m ²
124 No.	Ilex crenata	30-40cm	5L	C	5/m
978 No.	Rosa 'Kent'	30-40cm	3L	C	4/m ²
3 No.	Taxus baccata 'Fastigiata'	100-125cm	15-20L	C :mound soil 150mm	Counted
43 No.	Viburnum tinus 'Eve Price'	40-60cm	5L	C	4/m ²
53 No.	Vinca minor 'Alba'	20-30cm	3L	C	5/m ²

- Planted into prepared topsoil with 50mm settled depth ornamental bark mulch finish.

Herbaceous

Number	Species	Pot Size	Specification	Density
34 No.	Erigeron karvinskianus	2L	C	5/m ²

Ornamental Sun Mix

Number	Species	Pot Size	Specification	Density
8 No.	Dryopteris filix-mas	2L	C	5/m ²
8 No.	Geranium macrorrhizum 'Bevan's Variety'	2L	C	5/m ²
16 No.	Luzula sylvatica	2L	C	5/m ²
8 No.	Matteuccia struthiopteris	3L	C	5/m ²

- Plant into prepared topsoil with 50mm settled depth ornamental bark mulch finish.

Bulbs

Number	Species	Common Name
2921 No.	Galanthus nivalis	Snowdrop
4493 No.	Narcissus pseudonarcissus	Wild Daffodil

- Planted in naturalised drifts of 25-30 of the same species

Seed & Turf Areas

Area	Mix	Description	Supplier	Rate
3713m ²	A19	All Purpose Lawn	Germinal	50g/m ²
1609m ²	Turf	Multipurpose ryegrass/fescue blend	Rowlan or similar	1/m ²
6871m ²	WFG2	Flowering Meadow	Germinal	5g/m ²
2813m ²	WFG9	Wet Meadow	Germinal	5g/m ²

Miscellaneous Areas

Area	Description	Notes
475m ²	Unplanted beds to be topsoiled and finished with ornamental bark mulch finish	-



	Existing trees to be retained
	Existing vegetation to be retained
	Existing hedge to be retained
	Proposed specimen trees
	Proposed multistem trees
	Proposed conifer trees
	Proposed native scrub planting
	Proposed wet scrub planting
	Proposed semi-instant hedge
	Proposed bare root hedge
	Proposed shrub planting / groundcover
	Proposed wildflower meadow areas
	Proposed wet meadow areas
	Proposed seeded amenity grass / lawn areas
	Proposed turfed amenity grass / lawn areas
	Proposed bulb planting area

- NOTES**
- Refer to 954-PP-01 for planting specification / schedule
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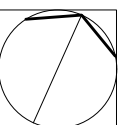
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