

Landscape Report

2 No. Semi Detached Two Bed Dwellings

7 Webb Close, Pagham, PO21 4XB

Jent Estates Ltd.

November 2018

Critchley Architecture And Design Ltd,
The Old Brewery,
15E South Street,
Havant,
PO9 1BU

0.0 Reference Drawings

17017- 103 A Proposed Site Plan

1.0 Material and Workmanship

- 1.1 Work is to comply with British Standard as per the attached Appendix.

Chemicals:

- 1.2 Chemicals which are not listed in the Ministry of Agriculture's "Agricultural Chemicals Approved Scheme" current list of approved products are not to be used. Strict adherence to Manufacturers' Instructions is absolutely necessary.

Cultivation of Planting Areas:

- 1.3 The ground to be planted, as indicated on the Contract Drawings, is to be cultivated to a minimum depth of 150mm and clear of all weeds, stones, scrub roots and any other unsuitable material.

Watering:

- 1.4 During the growing season all trees shall be watered as necessary or directed to ensure healthy growth. Drought or unavailability of water shall not release the person carrying out landscaping works from their obligations to replace all plant losses.

2.0 General Planting Operations

- 2.1 All plant material shall be supplied exactly true to name as shown in the schedule. No variations from the schedule of plants will be acceptable, except on written instructions from the Architect. Grafted material shall not be acceptable.
- 2.2 All plant shall be guaranteed for a period of 1 year from the date of Practical Completion against death, deformation, or disease. The person carrying out landscaping works shall not be responsible for malicious damage.
- 2.3 Protection shall be given to plants during delivery to site to prevent drying out of roots. All bare-rooted trees shall have a damp Hessian and straw wrapping to the root system. Plant material which cannot be planted immediately shall be heeled into the ground until it is planted.

- 2.4 All planting material shall be planted between November and March inclusive, unless the Architect direct otherwise. Planting shall not take place in frosty, snowy, or waterlogged conditions. Damaged roots shall be pruned off cleanly prior to planting.
- 2.5 At the end of the growing season, whilst still in leaf, plants shall be inspected by the person carrying out landscaping works. Any plants which have died or are not in thriving condition shall be replaced by the person carrying out landscaping works at the earliest opportunity in the following planting season. All replacements shall be agreed in writing.
- 2.6 To prevent initial surface soil erosion caused by weathering and water run off a 400 g/m² high quality coir mesh is proposed as a temporary soil retention measure. This will be fixed with 300mm beech pegs (3/m²) and will provide initial structural stability until the root matrix of the proposed planting is established. Coir is considered superior to synthetic mesh as it can be produced sustainably and is naturally biodegradable.

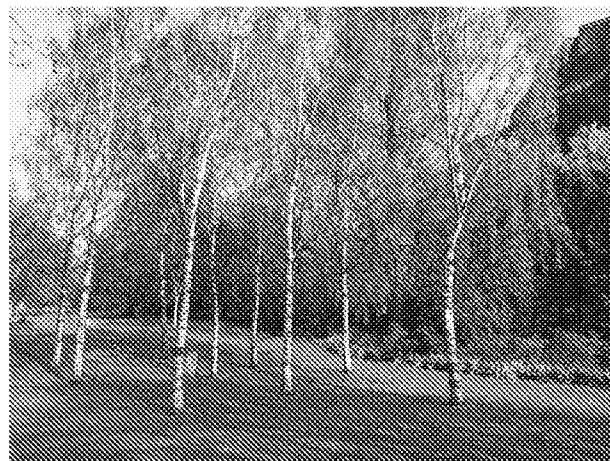
3.0 Planting of Shrubs

- 3.1 All plants shall comply with paragraph 2.1 British Standards and shall be in accordance with the height set out on the schedule of plants.
- 3.2 Immediately prior to planting, cultivate shrubs beds to a depth of 300mm and remove all weeds, rubbish, and stones exceeding 50mm diameter arising, and remove from the site.
- 3.3 Shrubs shall be planted exactly as shown on the approved drawings, and at the centres shown on the drawings, so as to achieve a natural appearance. Planting holes shall be 150mm wider than the root spread, and care shall be taken to avoid breaking, bending or cramping of the roots. Top soil shall be firmed in layers around the roots ensuring no voids. Set plants upright and at the same depth as grown in the nursery. All root wrappings and containers shall be carefully removed prior to planting.
- 3.4 The person carrying out landscaping works shall for 12 months carry out the following maintenance:
 - (i) All shrub beds shall be hoed or forked regularly, removing all weeds and rubbish and leaving the soil open and the surface cultivated.
 - (ii) Prune out any broken, dead, or diseased branches.

- (iii) Firm in any frost heaved plants.
- (iv) Water all shrubs and climbers as necessary or as directed in accordance 1.4 above.
- (v) All losses shall be made good in accordance with 2.2 above.

4.0 Planting Specification

- 4.1 The site is currently a lawned side garden to No. 7 and existing grass groundcover will be retained where possible. Some reseeding will be necessary following construction.
- 4.2 There are no existing trees or landscape features within the site as existing.
- 4.3 As per the approved Design and Access Statement, 4 No. new Silver Birches (*Betula pendula*) are proposed.
- 4.4 *Betula pendula* is an elegant medium-sized deciduous tree with slender drooping twigs. Bark white, becoming black and rugged at base. Leaves ovate, yellow in autumn. Flowers in catkins. It does best in well-drained soil and has an ultimate height of over 12 M.
- 4.5 Given the relatively large mature height and spread of *Betula pendula*, the 4 proposed trees are located at a suitable distance from building foundations and at points where it is considered they will provide the most effective screening. Specimens should be planted from 45l – 55l pots and will be 2-3m tall at time of planting.



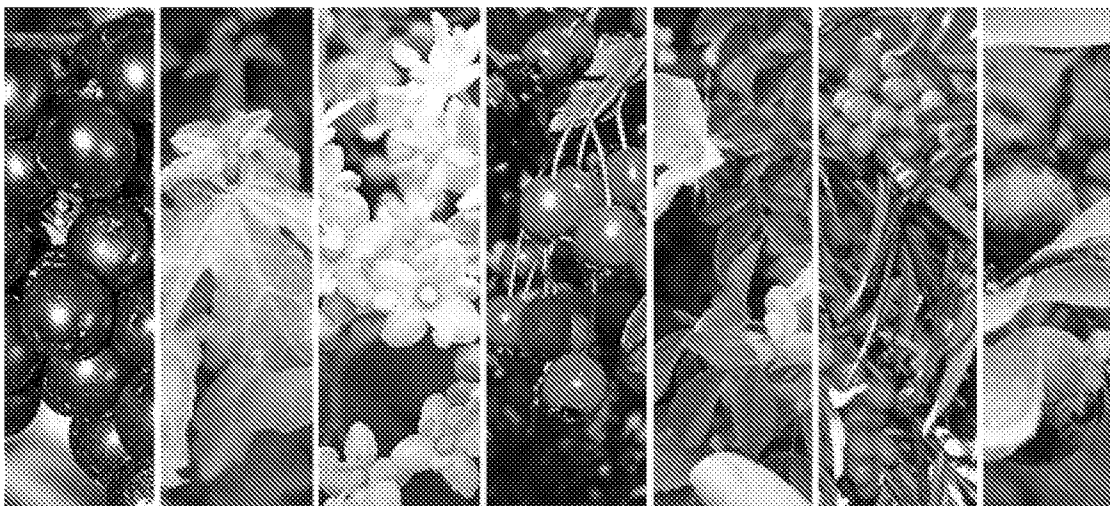
Betula pendula

- 4.6 A screen hedge of indigenous species with the following mix will be planted as indicated on drawings 17017-103A:

25%	Crataegus Monogyna (Hawthorn)
25%	Prunus Spinosa (Blackthorn)
10%	Acer Campestre (Field Maple)

10%	<i>Sambucus Nigra</i> (Elder)
10%	<i>Rosa Canina</i> (Dog Rose)
10%	<i>Hippophae rhamnoides</i> (Sea Buckthorn)
10%	<i>Ligustrum vulgare</i> (Wild Privet)

These hedging plants offer multiple seasons of interest with berries, haws, flowers and autumn colour and are also suited to the salt-laden, windy conditions of a coastal location. All plants to be sourced from native stock or regionally equivalent stock.



- 4.7 Recommended planting density for hedging is 5 per square metre. Based on this information the number of each species required will be:

Crataegus Monogyna (Hawthorn) = 8

Prunus Spinosa (Blackthorn) = 8

Acer Campestre (Field Maple) = 4

Sambucus Nigra (Elder) = 4

Rosa Canina (Dog Rose) = 4

Hippophae rhamnoides (Sea Buckthorn) = 4

Ligustrum vulgare (Wild Privet) = 4

Assuming the above are planted from bare root stock, the height at time of planting will be 60-80cm and will increase 20-40cm per year. Bare root stock should be planted between November and April and should take place as soon as the construction process allows.

- 4.8 Wildflower seed mix as Emorsgate Seeds Tussock Mix (EM10) to be planted at the rear of the garden. Recommended mix as follows:

Flowers

- 0.5% *Achillea millefolium* (Yarrow)
- 1.5% *Agrimonia eupatoria* (Agrimony)
- 1% *Arctium minus* (Lesser Burdock)
- 2.5% *Centaurea nigra* (Common Knapweed)
- 2% *Centaurea scabiosa* (Greater Knapweed)
- 2% *Daucus carota* (Wild Carrot)
- 1% *Dipsacus fullonum* (Wild Teasel)
- 1% *Galium album* (Hedge Bedstraw)
- 0.2% *Geranium pratense* (Meadow Cranesbill)
- 0.5% *Leucanthemum vulgare* (Oxeye Daisy)
- 1% *Pastinaca sativa* (Wild Parsnip)
- 0.7% *Plantago lanceolata* (Ribwort Plantain)
- 0.1% *Pulicaria dysenterica* (Common Fleabane)
- 2% *Silene dioica* (Red Campion)
- 2% *Torilis japonica* (Upright Hedge-parsley)
- 2% *Vicia sativa* ssp. *segetalis* (Common Vetch)

Grasses

- 2% *Alopecurus pratensis* (Meadow Foxtail (w))
- 20% *Cynosurus cristatus* (Crested Dogtail)

- 16% Dactylis glomerata (Cocksfoot (w))
- 2% Deschampsia cespitosa (Tufted Hair-grass (w))
- 20% Festuca rubra (Strong-creeping Red-fescue)
- 2% Holcus lanatus (Yorkshire Fog)
- 10% Schedonorus arundinaceus - (Festuca arundinacea)
(Tall Fescue (w))
- 8% Schedonorus pratensis - (Festuca pratensis)
(Meadow Fescue (w))

Appendix A:

British Standards Applicable to Landscaping Works

BS ISO 257: 2004	Pesticides and other agrochemicals. Principles for the selection of common names.
BS 3882: 2007	Specification for topsoil and requirements for use.
BS 3936-1: 1992	Nursery stock. Specification for trees and shrubs.
BS 3936-7: 1989	Nursery stock. Specification for bedding plants.
BS 3936-9: 1998	Nursery stock. Specification for bulbs, corms and tubers.
BS 3936-10: 1990	Nursery stock. Specification for ground cover plants.
BS 4428: 1989	Code of practice for general landscape operations (excluding hard surfaces).
BS 5551:	Various Fertilisers.
BS 5930: 1981	Code of practice for site investigations.
BS 6031:2009	Code of practice for earthworks.
BS EN ISO 11091: 1999	Construction drawings. Landscape drawing practice.
BS EN 13556: 2003	Round and sawn timber. Nomenclature of timbers used in Europe.