

**NOTES:**  
 All dimensions and conditions are to be verified on site. Only figured dimensions are to be followed.  
 Discrepancies are to be reported to Indigo Landscape Architects Limited and resolution sought prior to proceeding. This drawing is subject to copyright.



**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 (where applicable).

**Biosecurity**  
 'BS 8545: 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 planting specification**  
 The following other areas of specification shall also be strictly adhered to:

- Under existing trees / within tree root protection areas, except where minor regrading is noted, only the top 100mm of existing soil shall be prepared, by hand, to prevent damage to underlying roots. New plants, where specified, shall be carefully pit planted, to avoid any major roots.
- In new planting areas to be topsoiled, away from existing trees, underlying subsoil shall be broken up / ripped as required to provide adequate drainage. Rubble / excess kerb haunching shall be fully removed.
- Topsoil depths generally (away from tree root protection areas): shrub, whip and hedgerow planting to be planted in minimum 350mm depth of topsoil. Amenity grass areas to be topsoiled to a minimum 150mm depth of topsoil. Topsoil laid over prepared subsoil as noted. 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 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: 2007 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 soil in shrub planting areas at a ratio of 1 cubic metre per 20 cubic metres and thoroughly mixed in prior to planting.
- Organic fertilisers shall be incorporated as required in shrub, hedge, tree planting and amenity grass areas (only) to ensure there are sufficient plant nutrients within the soil.
- Tree pits, square in plan, to be excavated to a minimum size of 500mm larger than the rootball, with base broken up to minimum 300mm depth, below rootball. (Guide size 1000mm x 1000mm, 700mm depth). 'Watering dishes' to be created 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.
- 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.
- Planting to be protected from rabbit damage, with appropriate rabbit proof guards. Where there is also a possibility of pedestrian desire lines crossing planting, post and wire fencing with rabbit proof netting shall be installed.
- 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.

**Timing and monitoring of planting works**  
 All planting shall be undertaken, at the latest, within the first 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 and plug planting shall be undertaken in Spring. Bulb planting shall generally be undertaken between September and November, unless planting in the green.

All planting works will be undertaken and supervised by a competent professional landscape contractor.

**2 - LANDSCAPE MAINTENANCE AND MANAGEMENT**  
**Long term design objectives**  
 The general intent of landscape maintenance of the site is to ensure that over a period of time the planting develops to maturity, to the concept that has been approved by the local planning authority.  
 Management and maintenance is to be undertaken in such a way as to allow healthy plants to develop, unhindered by weed growth or other inhibiting factors.

**Landscape maintenance schedules**  
 All landscape maintenance work is to be undertaken by an experienced landscape maintenance contractor.  
 Maintenance visit, will typically be undertaken once monthly between October and March and twice monthly between April and September. A guide minimum number of 18 visits shall therefore be undertaken. The primary maintenance operations will include:

- Watering trees, plants, grass and wildflower areas as necessary to ensure vigorous and successful establishment during the early years after planting.
- Keeping planting areas free from weeds. All planted / mulched areas shall be hand weeded or treated with a non-residual herbicide as appropriate / required.
- Fertilising of tree pits, hedge and shrub / ground cover areas (only), annually in spring using a suitable organic slow release fertiliser.
- Fertilising amenity grass areas with a suitable organic fertiliser annually in spring.
- General pruning and trimming to ensure footways, signs etc. are not obscured and to ensure plants develop appropriately according to their species.
- Mowing amenity grass areas as a minimum every two weeks during the growing season to maintain a neat appearance.
- Checking and adjusting all tree stakes and ties at every maintenance visit during the first one to two years after planting. Removal of stakes and ties once trees are securely established (guide 12 - 18 months after planting).
- Removal of litter (to be undertaken as part of the general site cleaning and not necessarily by the landscape maintenance contractor).
- Replacing plants that fall where required, with the approved species, (within 5 years of planting as a minimum). All planting will be inspected annually in late summer. Any dead, dying or diseased plants shall be removed and replanted according to the approved plan in the following planting season (November-March).

- KEY**
- Existing tree to be removed, refer to arboricultural report
  - Existing shrub planting removed
  - Existing tree to be retained
  - Existing other vegetation retained
  - Proposed tree planting
  - Existing and proposed grass
  - Proposed shrub/ groundcover planting
  - Proposed specimen shrub
  - Existing gravel

**PLANT SCHEDULE**

Trees				
Number	Species	Height	Girth	Specification
2 No.	Betula pendula (ftd)	3.5-4.0m	12-14cm	Feathered :RB :Double staked
3 No.	Betula pendula	4.0-4.5m	14-16cm	EHS :RB :Double staked
2 No.	Prunus avium 'Plena'	4.0-4.5m	14-16cm	EHS :RB :Double staked
1 No.	Pyrus calleryana 'Chanticleer'	4.0-4.5m	14-16cm	EHS :RB :Double staked

  

Shrubs					
Number	Species	Height	Pot Size	Specification	Density
19 No.	Choisya 'Aztec Pearl'	40-60cm	5L	C	2.5/m <sup>2</sup>
103 No.	Cornus sanguinea 'Anny's Winter Orange'	40-60cm	3L	C	4/m <sup>2</sup>
19 No.	Euonymus fortunei 'Silver Queen'	20-30cm	2L	C	6/m <sup>2</sup>
11 No.	Hebe 'Midsummer Beauty'	30-40cm	3L	C	4/m <sup>2</sup>
5 No.	Phormium tenax 'Purpureum'	80-100cm	10L	C	Counted
142 No.	Viburnum davidii	20-30cm	3L	C	4/m <sup>2</sup>

**NORTH**

C	Parking spaces added	2018-05-02	MH	CB
B	Detailed proposals added	2018-04-16	MH	CB
A	Revised per comments	2018-04-10	MH	CB
-	FIRST ISSUE	2018-04-09	MH	CB
rev	description	date	by	chk

project  
**PREMIER INN WELWYN GARDEN CITY**  
 client  
**WHITBREAD GROUP PLC**  
 drawing title  
**DETAILED PLANTING PROPOSALS**  
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