



Proposed Tree Planting

To be planted in the first available planting season following construction as root balled stock. Tree pit dimensions to be a minimum of 1200mm deep by 2000mm square. Allow for aggregate drainage layer, all trees to be double staked and tied. Tree pit to be formed from a minimum of 350mm deep approved topsoil to BS3882:2015, overlying 850mm depth of a approved sub-soil to BS3801:2013, remaining 100mm will consist of the aggregate drainage layer separated from the soil by a geotextile membrane layer, sub soil below to be broken up to 200mm. Each tree pit should include an irrigation pipe circling the rootball, with inlet point at surface level, and a 'T'reegrator' type watering bag to the base of the tree stem or similar approved. Surface of tree pit to be spread with 50mm deep of approved bark mulch.

Proposed Shrub/Perennial Planting

To be planted as container grown stock in the first available planting season after construction. Stock size/type and densities proposed are as shown below. Shrubs are to be planted in a minimum depth of 300mm of approved topsoil to BS3882:2015, overlying clean subsoil previously broken up by the Main Contractor to alleviate any compaction. Area planted to be spread with 50mm deep of approved bark mulch.

Proposed Hedgerow Planting

To be planted as container/bare root stock in the first available planting season after construction. Stock size/type and densities as shown. Native hedge planting to be arranged in a double staggered row at 450mm centres. Hedge planted in a minimum depth of 300mm of approved topsoil to BS3882:2015, overlying clean subsoil previously broken up by the Main Contractor to alleviate any compaction. Area planted to be spread with 50mm deep of approved bark mulch.

Planting guidelines:

- All planting and landscape operations should comply with the requirements specified in BS 3936: 1992 Nursery Stock (Part One) and BS4428:1989 Code of Practice for General Landscape Operations (Excluding hard surfaces).
- All topsoil (Existing and imported) and testing to conform to BS3882:2015 'Specification for Topsoil and Requirements for Use.
- All topsoil for planting to be tested by an approved topsoil analyst and any required amelioration or soil improvements to be carried out in line with analyst's report. Any soil not meeting the requirement of BS3882:2015, will be rejected. Testing certificates to be provided prior to delivery to site, with a further test once installed on site.
- All fertilizers are to be applied or supervised by qualified staff to avoid the action of plasmolysis.

Maintenance Notes:

- All landscaped areas are to be maintained for 12 months or as agreed in the contract, until the plants have established.
- Planted areas to be kept clear of weeds at all times throughout the maintenance period.
- Planted areas to be forked through regularly to keep soil loose.
- Plants to be pruned to promote healthy growth and to remove dead and diseased wood.
- Watering as required to maintain healthy growth.
- Any species that dies or fails to establish during the first five years, shall be replaced by an identical species to the original specification.

Additional Notes:

- Any necessary tree works to existing or proposed trees to be carried out by an approved tree surgeon to BS 3998:2010 'Recommendations for Tree Works'
- For all arboricultural issues refer to survey and reports carried out by other consultants.

Illustrative planting palette:

Botanical Name	Common Name	Girth/Dia	Height	Root	Specification	Mix/No.	Density
Specimen tree <i>Sorbus aucuparia</i> 'Golden Wonder'	Rowan	18-20cm	4.5-5m	Rootball	Standard 1.5-2m clear stem	1no.	
Ornamental hedge <i>Carpinus betulus</i>	Hornbeam		min 70cm	7.5Ltr	Full pot centered, single row at 450mm centres		
General mix <i>Carex pendula</i> <i>Sesleria autumnalis</i> <i>Salvia nemorosa</i> <i>Perovskia</i> 'Little Spire' <i>Phlomis russeliana</i> <i>Polystichum setiferum</i>	Sedge Autumn Moor Grass Woodland Sage Russian Sage Turkish sage Soft Shield Fern			2Ltr 2Ltr 2Ltr 2Ltr 2Ltr 2Ltr	Full pot centered, groups of 3-5 Full pot centered, groups of 3-5 Full pot centered, groups of 3-5 Full pot centered, groups of 3-5 Full pot centered, groups of 3-5 Full pot centered, groups of 3-5	20% 10% 20% 10% 20% 20%	7/m² 7/m² 7/m² 7/m² 7/m² 7/m²
Groundcover Planting <i>Pachysandra terminalis</i> <i>Pittosporum tobira</i> 'Nanum' <i>Viburnum davidii</i>	Japanese spurge Japenses mock orange David viburnum			2Ltr 2Ltr 2Ltr	Full pot centered, groups of 3-5 Full pot centered, groups of 3-5 Full pot centered, groups of 3-5	40% 20% 40%	7/m² 7/m² 7/m²

LEGEND

Hard Landscape Materials Palette

- PT1 - Textured Concrete Slab Paving**
Size: 400x400x50mm
Colour: Grey
Bond: Stack Bond
- PT2 - Concrete Block Paving**
Size: 160x120x60mm
Colour: Silver Grey
Bond: Random Gauge Staggered Bond
Edge Detail: Single Header in Stretcher Bond
- PT3A - Asphalt Concrete**
Road parking courtyard
To match Highways Specification
- PT3B - Asphalt Concrete**
Pavement
To match Highways Specification
- ET1 - Concrete kerb**
To match Highways Specification
- FT1 - Metal security fencing**
Boundary treatment to surrounding landscape
- FT2 - Drop down bollards**
Access control to parking areas
- FT3 - Line markings**
For parking spaces

Soft Landscape Palette

- Existing small trees
Approximate location of existing small pollarded trees to boundary (Refer to ecology survey).
Trees to be retained.
- Specimen tree
Rowan (*Sorbus aucuparia* 'Golden Wonder')
- Ornamental hedge**
Hornbeam (*Carpinus betulus*)
- General mix**
Hardy mix of shrubs, interspersed with perennials
(See planting list below)
- Groundcover mix**
Hardy mix of shrubs and groundcovers
(See planting list below)
- Site boundary

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Rev Date Description Dm CNA App

Scale 1:100 5 m

Do not scale from this drawing
All dimensions are to be verified on site

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LUC

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Project
Land to the Northwest Of Factory Road,
Northfleet Works, Gravesend, Kent

Client
Bellwy

LUC Job Nr Scale @A1 Status
13281 1:100 S3

Drawing Title
Landscape Proposals
General Arrangement

Drawing Nr
13281-LUC-TW-XX-DR-L-1001

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