# **OUTLINE PLANTING SPECIFICATION / ESTABLISHMENT**

#### Generally:

All soft landscape operations are to be undertaken during the first available planting season, immediately following completion of all construction operations, or in accordance with any planning approval/conditions, whichever is most applicable.

All setting out of trees, shrubs and grass within new soft landscape areas shall be inspected and approved by the Landscape Architect prior to planting operations commencing.

Prior to planting, all earthworks associated with landscape operations are to be made good, levels graded to top of back of kerb and mounded as appropriate using approved topsoil as required.

Existing topsoiled areas to be subsoil cultivated to a minimum depth of 450mm (where services allow) prior to topsoil cultivation to a minimum depth of 350mm in all

areas. Remove all deleterious arisings from above cultivations, together with all surface

debris currently on site. In all new topsoil areas, excavate to 450mm minimum depth for planting areas, removing all excavated subsoil from site. Cultivate a further 250mm to relieve compaction in all areas.

Replace above excavations with approved quality topsoil to the following minimum depths: - 450mm Planting areas

Finished levels of topsoil after settlement to be 50mm above adjacent hard paved areas in all instances.

Trees: Excavate tree pits for trees as follows:

Specification	Girth	Size	Depth
Transplants	-	300x300mm	300mm
Feathered	-	600x600mm	600mm
Extra Heavy Std	14-16cm to 18-20cm	1000x1000mm	750mm

Tree pit sizes should be increased where necessary to ensure pits are at least 300mm wider and 75mm deeper than the tree root system when fully spread. Tree stakes - trees to be double staked with 75mm x 1800mm pressure treated tree stakes secured to cross member with tree belt.

<u>Underground guying</u> - Green Blue Urban Arbor Guy tree guying system, all in accordance with the manufacturer's installation requirements. Specification of system to suit tree size. Backfill - backfill pits with approved quality topsoil, 20% approved peat free compost,

Enmag Controlled Release Fertiliser and Broadleaf P4 (application rates in accordance with manufacturer's instructions) Watering - trees should be watered once a month regardless of weather conditions

during the defects liability period in the growing season to ensure that the trees are encouraged to develop the root system. Water at the following rates:

75 litres per tree for 10-12cm girth trees & below

120 litres per tree for 12-14cm, 14-16cm & 16-18cm girth trees 150 litres per tree for 18-20cm girth & above

In periods of drought, additional watering should be carried out in sufficient quantities to ensure and maintain healthy growth and establishment.

Rabbit guards - all transplants and container grown plants to be protected with tubex standard tree shelter guards supported by timber stake (or similar approved) <u>Tree Root Barriers</u> - to be installed as close to the possible to service utility locations in order to maximise the rooting area. Installation to be in accordance with the manufacturer's specification. Precise locations for barriers and barrier depths to be determined on site (dependent upon service positions and depths) and to be reviewed by the Engineers at tender and construction stage, considering as-installed service alignments, easements and paving construction.

### Shrub / Perennial Planting:

As scheduled, container grown unless otherwise specified and to be planted evenly spaced at the densities indicated. Backfill - backfill pits with approved quality topsoil, Enmag Controlled Release Fertiliser and Broadleaf P4 (application rates in accordance with manufacturer's

instructions). <u>Watering</u> - water all plants thoroughly immediately following planting using a fine rose sprinkler.

<u>Mulch</u> - where agreed, supply and spread minimum 50mm thick, thoroughly composted bark or equivalent organic mulch.

### Grassed Areas:

areas in all instances.

Amenity grass seed where required to be Germinal Seeds mix A19 (or similar

approved), at a rate of 50g/m². Seeding to native planting areas to be Emorsgate Seeds mix EG9 (or similar approved),

at a rate of 5g/m². Species selection subject to ecological / soil assessment Finished levels of topsoil after settlement are to be 50mm above adjacent hard paved

# Turf:

Wildflower turf to be Lindum Wildflower Mat (or similar approved). General health of turf: the sward must be green and must not be visibly affected by

any pests or diseases. Preparation for turf: all soiled areas will be raked level prior to laying. Any areas where machinery cannot gain access will be prepared by hand. Roll with a lawn roller, to ensure a level surface after establishment of the grass as set out in the guidance

given in BS 4428. Turf should be delivered to site within 36 hours of lifting (note: in spring and summer this period should be reduced to ensure turf is fresh and green on delivery).

Care should be taken whilst transporting to avoid deterioration or damage. Turf is a highly perishable product, particularly in warm weather. Preparations should, therefore, be made to lay the turf as soon as possible after delivery. Turf should be laid the day of delivery during hot weather.

Turf is to be unloaded clear of those areas to be turfed. Prior to laying, turf should be stacked on flat level ground preferably in a shaded area

Water immediately after laying to ensure that the soil is damp to a depth of 100mm. Keep the turf, and the soil under it, damp. Do not over-water and in the following days, water only in the mornings and early evening. Water less and less over the first 28 days and the turf should never be allowed to dry out.

Refer to the following British Standards for more detailed information:

Recommendations for transplanting rootballed trees

BS 4043

Proposed Tree Planting

 Code of practice for general landscape operations BS4428

Specifications for topsoil BS 3882:2015 Topsoil

Nursery Stock BS 3936 part 1.

Trees		-				
Abbreviation	Species	Height	Girth	Specification	Density	Number
P c 'Ch'	Pyrus calleryana 'Chanticleer'	4.0-4.5m	14-16cm	RB	Counted	11 -
						Total :11 -

Abbreviation Species Specification Density Percentage Contribution Number BENI Betula nigra RB :Feather 1/m² 20% 79 -Betula pendula RB :Feather 1/m² 50% 197 -В ре Betula pubescens RB :Feather 1/m<sup>2</sup> 20% 79 -Bpu Pin sylv Pinus sylvestris C 1/m² 10% 40 -

Abbreviation	Species	Specification	Density	Percentage Contribution	Number
ACE CAM	Acer campestre	BR :1+1	2/m²	8%	26 -
Cor san	Cornus sanguinea	BR :1+1	2/m²	5%	16 -
Cor av	Corylus avellana	BR :1+1	2/m²	5%	16 -
Cra mo	Crataegus monogyna	BR :1+1	2/m²	65%	205 -
lle aqui	llex aquifolium	С	2/m²	3%	10 -
Prun spin	Prunus spinosa	BR :1+1	2/m²	7%	23 -
Ros can	Rosa canina	BR :1+1	2/m²	2%	7 -
Vib op	Viburnum opulus	BR :1+1	2/m²	5%	16 -

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Abbreviation	Species	Height	Pot Size	Specification	Density	Number
A 'G'	Allium 'Globemaster'		3L	Bulb: C	5/m²	120 -
CID	Carex 'Ice Dance'	20-30cm	3L	С	9/m²	188 -
Ep	Echinacea purpurea	20-30cm	2L	С	5/m²	105 -
L an 'H'	Lavandula angustifolia 'Hidcote'	20-30cm	3L	С	7/m²	245 -
S ten	Stipa tenuissima	20-30cm	3L	С	7/m²	166 -
V b	Verbena bonariensis	40-60cm	3L	С	7/m²	125 -
						Tatal 040

0.33Ctr Double Staggered at 0.4m offset 347 -Prunus Iusitanica | 120-140cm | 10L Plu

# Wildflower Turf [Lindum wildflower mat]

	Formal Hedge Planting	
	Native Mix Planting [Underseded with seed mix EG9]	
	Ornamental Planting	
	Amenity Grass Areas [Seed Mix A19]	
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REVISION   P01	DATE  28/04/21	BY   AB	CHECKED   BD	CLIENT	Highbridge Business Parks	I
First issue				PROJECT	Cobalt Plot 4	
				DRAWING TITLE	Detailed Soft Landscape Pr	.(
				DRAWING No.	N1044-ONE-ZZ-XX-DR-L-02	!(
				STATUS	PRELIMINARY	
				SCALE	1:200 @ A1	-
				1		

TOFFEE FACTORY, LOWER STEENBERG'S YARD, OUSEBURN, NEWCASTLE UPON TYNE, NE1 2DF | +44 (0)191 375 9130 | WWW.ONE-ENVIRONMENTS.CO.UK