

**LANDSCAPE SPECIFICATION  
IMPLEMENTATION GUIDELINES**

**General**

All soft landscape proposals will be fully implemented in the first planting season following reasonable completion of the development.

Existing levels to be preserved around retained existing trees and vegetation. Existing trees and vegetation to be retained are to be protected in accordance with BS5837 during construction. All landscape works to be undertaken by competent persons, with appropriate training and equipment.

**Services**

The contractor must ascertain for themselves the exact location of underground services before commencing work.

**Topsoil**

Topsoil to be handled (i.e. excavated and/or imported, stored, spread, cultivated) in accordance with BS3882. Amelioration to be as determined by analysis. If poor drainage is suspected in existing soil surfaces, these should be broken up prior to planting, turfing and seeding to a depth of 350mm to remove likelihood of compaction and damage to new planting and turf. Where at all possible clean site won topsoil should be used. Where Imported topsoil required, such soils to be a good quality loam to BS 3882: multipurpose grade or manufactured topsoil. All topsoil areas shall be thoroughly cultivated by hand or suitable machinery to the full depth of the topsoil layer, incorporating ameliorants as specified and/or as indicated by analysis and in accordance with BS 3882. Hand cultivations shall be carried out to achieve the required finish on areas where machine cultivation is impossible ie adjacent to kerbs, manholes and footpath junctions etc. Surplus plant matter, rubbish and surface stones having any dimension greater than 25mm shall be collected and removed from the site. Existing topsoil to be stripped and re-used if suitable as per specification.

Topsoil is to be stored in heaps, maximum of 2m in height, providing soil is reasonably dry and friable during stripping and handling - using a tracked excavator. To protect from wet weather once final height is achieved, an excavator should regrade the sides and top of stockpile to firm surface by tracking across it to form a smooth gradient.

Topsoiling depth as follows:

- Shrub areas min 450mm depth
- Tree Planting min 450mm depth or to match existing topsoil depth, whichever is the greater

in additional to the above suitable loosened multi purpose subsoil to BS8601:2013 should provide the remainder of the minimum rooting depth:

- Shrub areas min 600mm depth
- Tree Planting min 400mm depth

Before applying topsoil, remove all debris and contaminants, cultivate the surface depth of approx. 300mm to loosen subsoil and create a 'key' for the new topsoil, or to break up compacted topsoil.

**Fertilizer/Compost**

Approved (peat free) composts to PAS100 and fertilizers to be added during cultivation as required to full depth of growing medium.

Ensure that plant beds are neatly defined, and rise from adjacent paved areas. All ornamental planting areas to be mulched with 75mm (settled depth) bark mulch. Sample of mulch to be approved by Landscape Architect.

**Plant Handling**

Plant handling at the nursery, and during transit up to delivery, shall be in accordance with 'Plant Handling', the booklet published by the Committee for Plant Supply and Establishment (CPSE). The contractor shall comply with clauses 3 & 4 of the above booklet (obtained from the Horticulture Trades Association) which refers to the receipt, unloading and temporary storage of plants. General plant stock to conform to BS 3936, advanced nursery stock to BS 5236, and planting to BS 4428. Plants shall be first class examples of their species or variety, free from all pests and diseases, with good fibrous root systems and materially undamaged (refer to relevant sections of BS3936 Parts 1-4 'Specification of Nursery Stock'). All planting operations to be in general compliance with BS4428: 1989 'Code of Practice for general landscape operations (excluding hard surfaces)'. Carry out all planting while soil and weather conditions are suitable:

- Do not plant during periods of frost or strong winds. Plant only during the following periods
- Deciduous and conifer trees: Late October to late March
- Container grown plants: At any time if ground and weather conditions are favourable. Ensure that adequate watering and weed control is provided

**Specimen Shrubs**

All shrubs to be planted in pit of min, size 0.4m x 0.4m x 0.4m deep so as to accommodate full root spread, backfilled with 80% clean topsoil and 20% approved green compost to PAS100 and 20 gms granular fertilizer. All shrub beds to be mulched with 75mm depth approved bark mulch after planting.

**Shrub Herbaceous & Ground Cover Planting**

All plants to be planted in cultivated planting beds at densities shown in plant schedule, in pits of min. size 0.3m x 0.3m x 0.3m deep so as to accommodate full root spread, backfilled with 80% clean topsoil and 20% approved green compost to PAS100 and 20gms granular fertilizer. All shrub beds to be in min. 300mm good quality, well prepared topsoil and to be mulched with 75mm depth approved bark mulch after planting.

**MAINTENANCE SPECIFICATION**

**General**

Establishment maintenance for all planting for 30 years from Practical Completion (first year to be carried out by installing contractor) to include weed control, watering and replacement of failures to original specification in the planting season following failure. All plant material to receive annual pruning and groundcover to be trained and edged with minimum 2 trims per year. During the 5 yr establishment period visit at eight weekly intervals from April - December to carry out the following to planting areas:

- Control weed growth. Maintaining a weed free area around each plant during the first few years will allow quick establishment of the plants and reduce the likelihood of dieback.
- Prune dead and broken branches/shoots
- Check stakes and ties. Adjust or replace as necessary
- Litter picking of beds

**Irrigation**

There will be an irrigation system designed and installed by others.

Shrubs and Herbaceous Plants: During the first full growing season after planting it may be necessary to water all plants in prolonged periods of dry weather. This usually occurs during May - September. All planting areas should be watered to field saturation using clean fresh water on a weekly basis.

**Shrub & Herbaceous Planting**

**Watering**

- All planting to receive watering for at least the first 2 growing seasons.
- Ensure sufficient water is applied to maintain healthy growth; taking into account published meteorological data on rain fall for any given period, in particular in periods of Spring drought (May to August)

**Quantity:**

- Shrubs and herbaceous: Wet soil to full rooting depth

**Weed control**

- All planting areas shall be kept clear of weed growth for the first 3 growing seasons. Achieve by a combination of herbicide applications and hand-weeding/hoeing. Ensure that the methods used will cause a minimum of damage to adjacent planted areas.
- Tree and plant stems: Do not allow nylon filament rotary cutters or other mechanical tools closer than 200mm to the stem of any tree or plant. Include for strim guards around the base of each tree, height 225mm or maintain a grass & weed-free area around the base of each tree, min diameter 1000mm. Carry out operations close to stems using hand tools.
- Herbicide application: A foliar acting translocated or contact herbicide shall be applied to emergent weeds.
- Hand weeding: Hoe and loosen the soil throughout the planting areas, taking care to avoid disturbance of roots of planted material. Remove weeds entirely, including roots. Remove the minimum of soil and minimise disturbance to plants, bulbs and mulched surfaces. On completion, rake areas to a neat condition.

**Mulch**

- Depth required: top up mulch to a minimum thickness of 75mm across all planting for trees, hedges, and borders
- Mulch spill on adjacent surfaces: Remove weeds and debris and return to planted areas. Use Melcourt Bark Mulch or similar.

**Fertiliser**

- Enmag or similar approved slow release fertiliser to be spread over planted areas in accordance with manufacturers instructions. Carry out a single application between March and May for the first 3 years after planting.
- Ensure there is a substantial buffer zone between fertilised areas and areas set aside for nature conservation to reduce the growth of unsuitable species and the nutrient enrichment of the reedbed, ditches and swales.

**Planting Schedule**

Shrubs					
Number	Species	Specification	Height	Pot Size	Density
3 -	Amelanchier alnifolia 'Obelisk'	C	125-150cm	10L	Counted
10 -	Convolvulus cneorum	C	20-30cm	3L	2/m <sup>2</sup>
14 -	Hypericum franciscana 'blue gem'	C	30-40cm	3L	2/m <sup>2</sup>
2 -	Mahonia Bealei	C	60-80cm	10L	Counted
5 -	Potentilla fruticosa	C	20-30cm	3L	2/m <sup>2</sup>
27 -	Rosmarinus officinalis 'Prostratus'	C		3L	3/m <sup>2</sup>
1 -	Viburnum carlesii	C	40-60cm	10L	Counted

Herbaceous				
Number	Species	Specification	Pot Size	Density
9 -	Heuchera 'Chocolate Ruffles'	C	3L	3/m <sup>2</sup>
6 -	Libertia grandiflora	C	5L	2/m <sup>2</sup>
16 -	Lysimachia nummularia 'Aurea'	C	3L	3/m <sup>2</sup>
23 -	Osteospermum jucundum	C	3L	3/m <sup>2</sup>
30 -	Persicaria affinis 'Superba'	C	3L	3/m <sup>2</sup>

Ferns					
Quantity	Species	Specification	Height	Pot Size	Density
9 -	Polystichum aculeatum	C		3L	3/m <sup>2</sup>

REFER TO  
1024\_01 Planting Plan  
1024\_02 Details and Notes  
1024\_03 Management Responsibility

*Do not scale off this drawing for construction purposes. Discrepancies to be reported to RBD before proceeding for construction purposes. Use only figured dimensions.*

**REVISIONS:**

<b>SCALE</b> Varies@A1	<b>DRAWING NO.</b> <b>1024/02</b>	<b>Rev.</b> <b>-</b>
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**PROJECT**  
Community Diagnostic Centre (CDC)

**CLIENT**  
Plymouth NHS Trust

<b>DRAWING TITLE</b> <b>Details and Notes</b>	<b>DATE</b> 23/11/2023 <b>DRAWN BY</b> JD <b>CHECKED BY</b> NP
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