

1.0 Setting out

1.1 Planting shall be set out as shown on the drawing and measured from existing fixed points. Curved beds shall be set out using radii marked on the ground using two central stakes and a line between, or with a master chain. The junction between curves and corner curves shall be set out to form a smooth and even joining line. Check that all setting out conforms to the plan and that the cultivation and planting works are carried out. Failure to do so may result in rejection of the work by the landscape architect and may require amendment of the contractor's expense.

1.2 All bedding beds shall be a minimum of 1 metre wide, except where there is insufficient space due to the constraints of walls and path edging and their foundations. With narrow beds between walls/fences and paths, ensure that the bed has space free from concrete footings before planting. If the bed is needed with concrete, then the landscape architect shall contact the site manager or landscape architect to determine if footings are excessive and can be reduced or else, the bed can be paved. The width of all beds will be checked by the inspecting landscape architect and where the width is not as shown, the contractor shall re-align them to the specified width at his own expense.

2.0 Ground preparation

2.1 Preexisting herbicide application-Apply by suitable spraying apparatus, an approved translocated systemic herbicide to the manufacturer's instructions and to 1987 Control of Pesticides Regulations and 2020 COSHH Regulations on labels, except those which are both weed free and are to receive agricultural seed mulch. Spray immediately if any weeds are present. If no weeds are showing but planting is delayed, spray after one month following cultivation to allow control of any weeds. All spraying shall be carried out by skilled and qualified labour, using protective clothing, in suitable weather (no wind) and any damage caused by spray drift, from nearby crops or buildings, shall be notified at the contractor's own cost. Do not spray near a water body. Repeat as necessary to ensure complete kill and ease off all weed material from site.

2.2 Carry out the following works to the existing topsoil on site to ensure it conforms to BS 3882:2015, being the minimum depth of 100mm, to be achieved by the contractor. The contractor shall ensure that the topsoil is free from rocks larger than 50mm diameter, concrete, old roots, wire, brick, and have less than 20% clay. Allow for compaction of 100kPa to 150kPa. Fertiliser with 150g per meter square of Hortisafe CDF 15-5-15 (N-P-K) will be applied. In accordance with the manufacturer's instructions, for beds less than 5 metres in width, break up the subgrade and topsoil using a tractor mounted subsoiler or ripper at 500mm centres to a depth of 400mm except where there are services, or within 10 metres of the edge of 2 metres of existing footings. Do not rip areas where roots greater than 10mm diameter are encountered.

2.3 Determine before submitting a tender, the extent of support from the site manager with ground preparation. Where all of all planting beds to be prepared to a level 50mm below adjacent grass or paved surfaces, within 400mm of edges to concrete, brick or stone walls, or where masonry are retained, where grass is proposed adjacent to paving, then the soil bed shall be built with the landscape architect to receive rain water run off. The landscape architect is responsible for ensuring that the final product conforms to the specification given where the developer and/or main contractor have failed to supply and spread topsoil to the required level. The landscape architect shall allow for adjustment of levels, as specified above, including for existing natural and topsoil. Where beds are sloping, ensure that topsoil is graded to the specified levels below pavement & grass surfaces within 400mm of the edges of the bed. This is to allow for sheet mulch and sand or wood chip mulch so that mulch does not pull out on to pavements and also to allow surface water to drain from paths on to pavements.

2.4 Imparted topsoil where specified and sanctioned by the employer for making up ground, shall conform to BS 3882:2015, and be free from rocks (over 50mm diameter), concrete, roots, wire and brick, and have less than 20% clay. Sun soil will be cultivated as set out above. Representative samples shall first be approved by the landscape architect before being supplied to site. No imparted soil shall be supplied to site without a written instruction.

3.0 Planting

3.1 All planting must be carried out in accordance with the tender document, and accompanying drawings. Refer to the tender document for the preparation of existing topsoil and required depths for planting, sowing, and trees, and also for contractual maintenance requirements.

3.2 No substitutions will be accepted without the prior agreement of the inspecting landscape architect. The contractor shall reduce or once at his own cost any stock specified in quantity of plant which has not been specified on the planting plan and schedule, unless via prior written agreement a substitution has been agreed by the inspecting landscape architect. All plants shall be true to the specified schedule and accompanied by a label, roots, GL pots are 100mm diameter and 150mm deep, 3L pots are 150mm diameter and 150mm deep, 5L pots are 225mm diameter and 150mm deep, 10L pots are 300mm diameter and 150mm deep, 25L pots are 350mm diameter and 150mm deep, 30L pots are 400mm diameter and 150mm deep, 40L pots are 500mm diameter and 150mm deep, 50L pots are 600mm diameter and 150mm deep, 75L pots are 750mm diameter and 150mm deep, 100L pots are 1000mm diameter and 150mm deep. All plants shall be checked on site to ensure compliance with those specified. Pots will be rejected if shrubs are supplied of a size which are not fully grown into the pot as a first check recently potted into a 3L container. All shrubs, shall be planted and spaced in accordance with the schedule. Anything less than 10% National Plant Specification standards for each shrub and tree will be rejected. Plant stock shall be healthy, healthy, disease free, not past their prime or senile. There shall be a minimum of 5 branches per stock. This specification is the minimum standard required and any extra falling below this standard, in the sole opinion of the inspecting landscape architect, will be rejected and shall be replaced at the contractor's expense.

3.3 All shrubs, herbaceous plants, vines and transplants shall be watered in on planting with 20 litres per square metre. Trees shall be watered in with 50 litres per tree position. Water treatment during the contract period at weekly intervals with 30 litres of water per tree position.

3.4 Proposed herbaceous trees to be true to the species, variety and size as specified on the planting plan to include 150mm long 100mm diameter, chestnut stake above ground dimension to be 1/3 the height of the tree, stakes to be driven vertically into the soil, each stock to rubber be, with existing ground, all contained 50mm maximum from the top of the pot.

3.5 Proposed standard trees to be true to the species, variety and size as specified on the planting plan to include 200mm x 200mm long 100mm diameter, chestnut stake above ground dimension to be 1/3 the height of the tree, stakes to be driven vertically into the soil, each stock to rubber be, with existing ground, all contained 50mm maximum from the top of the pot.

3.6 Turf to be of cultivated grass such as Broom's "Meadow" or other of similar quality and source, approved by the landscape architect. The contractor shall replace at once any turf rejected by the landscape architect at his own cost, ensure that the turf is laid flat and is free from hollows, lumps and lumps, cracks or drains or deep patches or other defects and that turf is well related before being laid and again after laying, turf areas shall be topped off using high-wear tape until well conditioned. Access shall be no only with rubber scaffold planks to prevent compaction.

3.7 Self draining edging shrubs or with shrubs, with "S" within after the center name, shall be planted to the wallface with heavy duty, plastic coated garden wire. Training wire and be attached vertically to the wallface by means of 120mm long stainless steel wire. Holes, Position 100mm x 200mm from ground and 250mm from top of the wallface, and along the wire slightly between the lumps. Train the edging to the wire with plastic coated garden wire tape.

3.8 Training varieties of climber, with "T" within after the climber's name in specially prepared pits or general shrub beds shall be trained to wallface faces by mounting ready-made trellis panels 1.8 x 1.8m generally (but 1.8 x 0.9m for corners or where space is restricted), suitable for supporting any panels for locations where walls or fences are lower than 1.8m. Trellis panels to be made of wire using non rusting screws (125mm long to be approved), incorporating 100mm wide wood spacing blocks to ensure that the panel is mounted sufficiently far from the wall face to allow training of stems. Ensure that all climber is pressure irrigated with a non-phosphate preservative and then painted with a dark brown non-phosphate preservative wood stain such as "Garden Classic" Jacobson Walker or similar and approved. Ensure that the trellis is not in contact with the ground. Train the climbing shrub to the trellis with plastic coated garden wire tape.

3.9 Climbers specified outside proposed shrub beds shall have specially prepared center pits. Climber pits shall be 400mm x 400mm and 400mm deep (minimum soil), and be suitable with 100mm from the wall where climber is trained. Ensure the base of the pit is thoroughly broken up and the training surface is well prepared. Ensure no damage to foundations and services, and make good all structures and surfaces disturbed. Fertiliser with 50g of Hortisafe CDF 15-5-15 (N-P-K) shall be released before water with 20 litres of water per climber pit.

4.0 BS codes

5.1 All workmanship and materials shall conform to the following codes:-

5.1.1 General landscape operations (including hard surfaces) - BS 4428:1989.

5.1.2 Trees in relation to construction- BS 5837:2012 and BS 6549:1996, BS 3098:2010 (recommendations for tree works) unless otherwise specified. Arboricultural Association - Standard Conditions of Contract and Specifications of Tree Works 1995.

5.1.3 Nursery stock in accordance with latest horticultural trade association nursery stock specification entitled "National Plant Specification 2017".

Plants shall conform to:-

BS 8545 - 2014 "Trees from Nursery to Independence of the Landscape"

BS 3098:1 - 1992 "Nursery Stock - Specification for trees and shrubs."

BS 3098:2 - 1990 "Nursery Stock - Specification for roses and deciduous shrubs."

BS 3098:4 - 2007 "Nursery stock - Specification for forest trees."

BS 3098:5 - 1998 "Nursery stock - Specification for fruit trees, conifers and suber."

BS 3098:6 - 1990 "Nursery stock - Specification for ground cover shrubs."

BS 3098:7 - 1990 "Nursery stock - Specification for ground cover shrubs."

BS 3098:8 - 1990 "Nursery stock - Specification for ground cover shrubs."

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