SPECIFICATION NOTES - REFER ALSO TO THE MEASURED WORKS SCHEDULE.

A) Setting out

1. Planting shall be set out exactly as shown on the Curved beds shall be set out using radii scribed on the ground using two pointed stakes and a line between or with site marker paint. The junction between convex and concave curves shall be cut to form a smooth and even flowing line. Check that all setting out conforms to the plan before 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 mendment at the contractor's expense.

2. All planting beds shall be a minimum of 1 metre wide, except where there is insufficient space, due to the constraints of walls and path edgings and their foundations. With narrow beds between walls/ fences and path edgings, ensure that the bed has space free from concrete footings before planting. If the bed is sealed with concrete, then the landscape contractor 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 chitect and where the width is not as drawn, the contractor shall re- cultivate them to the specified

width at his own expense.

 Pre-planting herbicide application:- Apply by suitable spraying aparatus, an approved translocated systemic herbicide to the manufacturer's instructions and to 1997 Control of Pesticides Regulations and 2003 COSHH regulations on all beds, except those which are both weed free and are to receive agrotextile sheet mulch. Spray immediately if any reeds are present. If none are showing, but there may be a delay before planting, or the area is to be seeded, spray after one month following cultivation, to allow dormant seed to germinate. All spraying shall be carried out by skilled and qualified operatives, using protective clothing, in suitable weather (no wind) and any damage caused by spray drift, from incorrect usage or spillage, shall be rectified at the contractor's own cost. Repeat as necessary to ensure complete kill and rake off all dead material from site.

2. Carry out the following works to the existing topsoil on site to ensure it Conforms to BS 3882:2015, being ee from rocks larger than 50m diameter, concrete, all roots, wire, brick, and have less than 20% clay. Allow for pre-application of herbicide as above. Fertilise with 100g per meter square of Hortibase CRF (16-8-12) slow release fertilizer, in accordance with the manufacturer's instructions. For beds less than 5 meters in width, fork over thoroughly or machine otovate soil to a depth of 300mm, ensuring that the

subgrade and topsoil are completely broken up and free draining, relieving any compaction. For beds greater than 5 metres in width, break up the subgrade nd topsoil using a tractor mounted subsoiler or ripper at 500mm centres to a depth of 500mm, except where there are services, or within 10 meters of tree stems or 3 meters of existing hedges. Do not rip areas where roots greater than 10mm diameter are encountered. 3. Determine before submitting a tender, the extent of

support from the site manager with ground preparation: ensure soil of all planting beds is graded to a level 65mm below adjacent grass or paved surfaces, (90mm below where agro- textile set mulch s not specified), within 400-600mm of edges to ensure bark or wood chip mulches are retained. Where grass is proposed, then the soil level shall be flush (maximum 10mm below - but never proud) of adjacent paved surfaces, to receive rain water run off. The landscape contractor is responsible for ensuring that the final product conforms to the specification even where the developer and/or main contractor have failed to supply and spread topsoil to the recessed level. The landscape contractor shall allow for adjustment of levels, as specified above, including for 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 bark or wood chip mulch so that mulch does not spill out on to pavements and also to allow surface water to drain from paths on to planted

4. For sloping areas to be turfed adjacent to paved areas, topsoil levels shall be graded flush with the d pavement level (or up to 10mm below),to allow surface water to drain from pavements to soft areas. Soil of grass areas should therefore never be proud of paved areas. Soil levels more than 10 mm below pavement edges will cause mower damage on cutting.

5 Imported topsoil (where specified and sanctioned by the employer) for making up ground, shall conform t BS 3882: 2015, and be free from rocks (over 50mm diameter), concrete, roots, wire and brick, and have ess than greater than 20% clay. Such soil shall be cultivated as set out above. Representative samples shall first be approved by the landscape architect before being supplied to site. No imported soil shall be

1. All planting must be carried out in accordance to the specification and schedule of quantities accompanying these drawings. Refer to the specification for the eparation of existing topsoil and required depths for planting, turfing, and standard trees, and also for

2. No substitutions will be accepted without the prior agreement of the inspecting landscape architect. The contractor shall replace at once at his own cost any stock size, species or variety of plant which has not been specified on the planting plan and schedule, unless prior agreement to a substitution by the landscape architect has been received. All plants shall be true to size specified in the schedule of plants and associated notes, (3L pots are 19cm diameter and 15cm deep). All shrubs, (other than ground cover), shall be 400-600mm height and spread, or otherwise pecified for the pot size by the HTA National Plant Specification and be bushy, healthy, disease free stock, not pot bound, leggy or spindly. There should be a minimum of 5 breaks per shrub. This specification is the minimum standard required and any stock falling below this standard, in the sole opinion of the inspecting landscape architect, shall be lifted and replaced at the contractor's expense.

3 All shrubs herbaceous plants whins and transplants shall be watered in on planting with 20 litres per square metre. Trees shall be watered in with 25 litres per tree position. Water thereafter during the contract period at weekly intervals with 30 litres of

4. Proposed large feathered or standard trees to be true to the species, variety and size as specified on the planting plan, to include 1.6m chestnut stake 600mm above ground and 1000mm below ground) and 1No. sackcloth tie with spacing device positione 25mm maximum from the top of the post. 5. Turf to be of cultivated grade such as Rowlawn

"Medallion", 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.

6.Self clinging climbing shrubs or wall shrubs, with "S" drawn after the climber name, shall be trained to the wall/fence with heavy duty, plastic coated garden wire. Training wires shall be attached vertically to the wall/fence by means of 125mm long stainless steel eye screw fittings. Position 1No. at 250mm from ground, and 1No. 250mm from top of the wall/fence, and string the wire tightly between the fixings. Train the climber to the wire with plastic coated garden wire

7. Twining varieties of climber, with "T" drawn after the climber's name (in specially prepared pits or general at the decorating contractors own cost. shrub beds) shall be trained to walls/ fences by nounting ready-made trellis panels 1.8 x 1.8m generally (but 1.8 x 0.6m for corners or where space is restricted). Include for adapting any panels for locations where walls or fences are lower than 1.8m. Fix trellis panels to the walls/ fences using non rusting screws 125mm long (to be approved), incorporating 50mm cube wood spacing blocks to ensure that the panel is mounted sufficiently far from the wall/ fence to allow twining of stems. Ensure that all timber is pressure impregnated with a non phyto-toxic preservative and then painted with a dark brown no hyto-toxix preservative wood stain such as Sadolii "Classic" walnut 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 garder 8. Climbers specified outside proposed shrub beds shall have specially prepared climber pits. Climber pits shall be 400mm x 400mm and 600mm deep (minimum size), and be backfilled with topsoil (from site - unless otherwise agreed). Ensure the base of the pit is thoroughly broken up and free draining before ba filling with topsoil. Ensure no damage to foundations and services, and make good all structures and surfaces disturbed. Fertilise with 50g of Hortibase CF

water per climber pit.

1. When specified by the additional specification notes on this plan, supply and spread suitable previously, cultivated, graded and fertilized topsoil before planting, and peg down at a minimum of 500mm centres, (300mm at edges) and beds less than 1m wide. Pegging this densely is essential to to the specification for biodegradable sheet mulch

2. Following planting supply and spread evenly Melcourt Industries "Edwards of Brandon" to a depth of 50mm, (75mm if no sheet mulch specified over all planted areas. Finished mulch levels shall levels to avoid any spillage onto pavements of lawns, N.B. no substitution of mulch type will be particled, brown wood chip to reduce weed growth

1. All workmanship and materials shall conform to the following codes:-A) General landscape operations (excluding hard urfaces) - BS 4428:1989. B) Trees in relation to construction- BS 5837: 2012 and BS 6549:1999. BS 3998:2010 (recommendation Contract and Specifications of Tree Works 1996. C) Nursery stock in accordance with latest horticultur

-BS 3936-1: 1992 Nursery Stock - Specification for -BS 3936-4: 2007 Nursery stock-Specification fo

"National Plant Specification 2001".

-BS 3936-9 : 1998 Nursery stock- Specification forbulbs, corms and tubers. -BS 3936-10: 1990 Nursery stock- Specification for ground cover shrubs.
-CPSE-Committee for Plant Establishment, Handling and establishing landscape plants 1996, Part 3, paragraphs 6.2 to 6.6. D) Glossary for Landscape Works BS 4428 :1989

E) Turf - BS 3969:1998- recommendations for turf for F) Seeding - EEC Regulations 1974. Use blue labelled certified varieties to EC purity and germination regulations. When requested, submit an officia seed G) Topsoil - BS 3882: 2015

OSHH Regulation 2003, the product COSHH shee Water Supply (Water Quality.) Regulations amende 1997; Wildlife and Countryside Act 1981; Country and Rights of way Act 2000.

GENERAL NOTES FOR THE DEVELOPER.

1. Any existing trees to be retained, are the responsibility of the main contractor on site who shall take all necessary protective measures set out in BS 5837:2012 to ensure no damage to vehicles or storage of materials, contamination of soil from spilages, scorching from fires and The landscape contractor is however responsible for ensuring that neither plant, materials or labour are cause of any damage to existing trees, and like the employer, the landscape contractor shall supplying and planting a tree of the same species and size, at his own cost, Protection barriers will Figure 2 of BS 5837:2012 (The BS) The framework will consist of vertical and horizonta scaffolds with vertical tubes spaced at no more than

ntervals and driven into the ground. Weld mesh (Heras or similar) panels will be securely fixed on to be driven into the ground to a minimum depth of supporting struts will be fixed to the inside of the

1. Soil levels: soil levels for shrub beds and grass areas should have any compacted subgrade thoroughly broken up by machine before instructing the ground worker to spread topsoil or the landscape contractor to commence work or e beds will become waterlogged in wet weather

and the plants and turf will die.

following minimum depths:- Shrub beds: 350mm 415mm of the subgrade for shrub beds to leave heds 65mm below finished pavement or grass areas in order to receive sheet and bark mulc om below where sheet mulch is not to b used). Tree pits will be dug by the landscape contractor. Top soil shall be spread for grass areas flush with any areas of paving and after than 10mm below paved areas to allow for tur For areas to be grass seeded, the soil level shall be flush with any finished paved surfaces after settlement (or to a maximum of 5mm below) to allow for rain water to drain onto soft surfaces Settlement shall be no greater than the tolerances given or problems will be encountered with mowing (the blades in danger of touching concrete edgings) or where soil is proud of pavements, then

3. Existing topsoil and imported soil shall conform rocks/bricks greater than 50mm diameter concrete, wire, roots, debris, oil, cement and builders rubble. Soil shall have a clay content of less than 20%.

1. Hard works, unless otherwise agreed, shall be carried out by the developer or main contractor and all materials and workmanship shall be in accordance with the construction details and the

2. All paths and edgings shall be set out properly

to lines and radii, with all curves scribed on the ground using pointed pegs and string or site marker paint, achieving flowing natural arcs. Setting out shall be agreed with the landscape contractor and subsequently the landscape

suitable base courses have been laid, taking full substrate. The indicative depths of base courses are minimum depths assuming suitable substrate

4. All metalwork shall be finished hot dipped

galvanized in accordance with BS EN ISO1460. The galvanizer shall be responsible for the thorough removal of all galvanizing smuts (fettling) to the complete satisfaction of the Landscape Architect. The decorating contractor shall prepare the galvanized surface by washing with detergent and water and scrubbing with a scouring pad until all dirt, grease, white rust & sulphates have beer removed & then allowed to dry thoroughly. Supply and paint 'Icosit 6630' from Sika Ltd (tel. 0170 374444) applied with a turkhead brush strictly in accordance with the manufacturers instruction Apply 2No. coats of paint with a dry film thickness of 100 microns per coat. Apply paint only when galvanized surface is thoroughly dry temperatures above five degrees celsius and in any event above the current dew point temperature. Paint work will be subject to inspection by experts and if found wanting, shall be stripped off, re-prepared and applied entirely

preservative applied by vacuum pressure by Permawood or other similar and approved company. The timber shall then be stained with 3No. coats of Sadolin 'Classic,' colour 'Walnut' instructions, COSHH Regulations 2003 and product COSHH sheet.

ENERAL NOTES (16-8-12) slow release fertilizer. Water with 15 litres of LL DIMENSIONS IN MILLIMETRES DO NOT SCALE OFF THIS DRAWING L DIMENSIONS TO BE CHECKED ON SITE)JAMES BLAKE ASSOCIATES LTD 2017

