## 1.0 Setting out drawing, and measured ing fixed points. Curve 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

urves 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 amendment at the contractor's 1.2 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 architect and where the width is not as drawn, the contractor shall re- cultivate them to the specified width at his own expense 2.0 Ground preparation

2.1 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 2020 COSHH equiations on all beds, except those which are both weed free and are to receive agrotextile sheet mulch. Spray mmediately if any weeds are present. If no weeds are showing but planting is delayed, 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. Do not spray near a water body.

Repeat as necessary to ensure complete kill and rake off

all dead 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 free 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 rotovate soil to a depth of 450mm, 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 and topsoil using a tractor mounted ubsoiler 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

2.3. 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 elow adjacent grass or paved surfaces, within 400-600mm of edges to ensure bark or wood chip

mulches are retained. Where grass is proposed adjacent to paving, then the soil level shall be flush with the 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 re-grading subsoil 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 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 areas. 2.4 Sloping ground that is shown to be turfed where there is paving adjacent to it topsoil levels of the grass areas shall be graded to finish flush with the finished pavement

level to allow surface water to drain from pavements to soft areas. Soil of grass areas should therefore never be roud of paved areas. Soil levels more than 10 mm below pavement edges will cause mower damage on cutting.

2.5 Imported 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 greater than 20% clay. Such soil shall be cultivated pproved by the landscape architect before being supplied

to site. No imported 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, turfing, and trees, and also for contractual maintenance requ

3.2 No substitutions will be accepted without the prior greement of the inspecting landscape architect. The size, species or variety of plant which has not been pots are 19cm diameter and 15cm deep, 5L pots are 22.5cm diameter and 18cm deep, 10L pots are 28cm diameter and 22.5cm deep. 15L pots are 33cm diameter and 30cm deep, 25L pots are 38.5cm diameter and 35cm deep, 30L pots are 41cm diameter and 36cm deep, 40L pots are 50cm diameter and 45cm deep, 50L pots are 55cm diameter and 50cm deep). The pot sizes will 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 e.g. a 9cm plant recently potted into a 3L container. All shrubs, shall possess a height and spread in accordance with the plant schedule. Anything less than HTA National Plant Specification standards for each species and pot size will be rejected. Plant stock shall be bushy, healthy, disease

free, 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 andscape architect, will be rejected and shall be lifted and eplaced at the contractor's expense. 3.3 All shrubs, herbaceous plants, whips 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 thereafter during the contract period at weekly intervals with 30 litres of water per tree positio

variety and size as specified on the planting plan, to include 1.6m long, 100mm diameter, chestnut stake above ground dimension to be 1/3 the height of the tree, stating out shall be agreed with the landscape stakes to be driven vertically and 1No. sackcloth or rubber tie, with spacing device, all positioned 25mm maximum from the top of the pos

3.5 Proposed standard trees to be true to the species, variety and size as specified on the planting plan, to include 2No. 2.0m long, 100mm diameter, chestnut stakes, above ground dimension to be 17.3 the height of the tree, stakes to be driven vertically, supply and fix securely (twice screwed to each end) a half round cross brace (100mm diameter) with rubber spacer block fixed between tree stem and the cross brace and secured with 1No. sackcloth or rubber tie so the tree is securely restrained and there is no chance of the the stem chafing

with the cross brace.

3.6 Turf to be of cultivated grade such as Rolawn "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, insure that the turf is laid flat and is free from hollows, lumps and bumps, cracks or brown or dried patches or other defects and that turf is well watered before before laving and again after laving. Turf areas shall be taped off using high-vis tape until well established. Access shall be only with timber scaffold

planks to prevent compaction 3.7 Self clinging climbing shrubs or wall shrubs, with "S" written 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 tags. 3.8 Twining varieties of climber, with "T" written after the climber's name (in specially prepared pits or general shrub beds) shall be trained to walls/ fences by mounting ready-made trellis panels 1.8 x 1.8m generally (but 1.8 x 0.6m for corners or where space is restricted). Include fo adapting any panels for locations where walls or fence: are lower than 1.8m. Fix trellis panels to the walls/ fence: using non rusting screws 125mm long (to be approved ncorporating 50mm cube wood spacing blocks to ensu that the panel is mounted sufficiently far from the wall/ fence to allow twining of stems. Ensure that all timber is ressure impregnated with a non phyto-toxic preservation and then painted with a dark brown non phyto-tox

eservative wood stain such as Sadolin "Classi Jacobean Walnut or similar and approved. Ensure that trellis is not in contact with the ground. Train the climbing shrub to the trellis with plastic coated garden wire tage 3.9 Climbers specified outside proposed shrub beds sha have specially prepared climber pits. Climber pits shall be 400mm x 400mm and 450mm 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 back filling with topsoil. Ensure no damage to foundations and services, and make good all structures and surfaces disturbed. Fertilise with 50g of Hortiase CRF (16-8-12) slow release fertilizer. Water with 20 litres of water per climber pit.

1.1 Planting shall be set out exactly as shown on the 4.1 Supply and spread suitable biodegradeable sheet mulch over planting beds, previously, cultivated, graded and fertilized topsoil before planting, and peg down at a minimum of 500mm entres, (300mm at edges) and beds less than 1m wide. Pegging this densely is essential to prevent flaps of material becoming exposed. Refer to the specification for biodegradable sheet mulch on pla 4.2 Following planting, supply and spread evenly "Rustic" Wood Chip, available from CPA horticulture tei:01994 231121 to a depth of 50mm evenly spread over all planted areas. Finished mulch levels shall be no higher than 15mm below pavement or grass levels, 300-400mm of bed edges, to avoid any spillage onto pavements or lawns. N.B. no substitution of mulch type will be acceptable. It is essential to have a no-fines, large

particled, brown wood chip to reduce weed growt

4.0 Mulc

reduce wind blow and prevent break down and rotting 5.0 BS codes 5.1 All workmanship and materials shall conform to the following codes:-5.1.1 General landscape operations (excluding urfaces) - BS 4428:1989. 5.1.2 Trees in relation to construction- BS 5837: 2012 and BS 6549-1999 BS 3998-2010 (recommendations for tree works ) unless otherwise specified. Arboricultural Association -Standard Conditions of Contract and Specifications of Tree Works 1996.

5.1.3 Nursery stock in accordance with latest horticultural trade association nursery stock specification entitled "National Plant Specification 2010". Plants shall conform to: -BS 8545 : 2014 Trees from Nursery to Independence in the Landscape

-BS 3936-1 : 1992 Nursery Stock - Specification for trees and shrubs. -BS 3936-2 : 1990 Nursery Stock- Specification for roses + AMD 6628. -BS 3936-4 : 2007 Nursery stock- Specification -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 Establishme Handling and establishing landscape plants 1996, Part 3, paragraphs 6.2 to 6.6. 5.1.4 Glossary for Landscape Works BS 4428 :1989 5.1.5 Turf - BS 3969:1998 + A1:2013 -

dations for turf for general p 5.1.6 Seeding - EEC Regulations 1974. Use blue labelled certified varieties to EC purity and germination regulations. When requested, submit an official seed Testing Station Certificate of germination, purity and composition 5.1.7 Topsoil - BS 3882: 2015

.1.8 Pesticides: Control of Pesticides Regulations 1997;The Health and Safety at Work Act 1974(2005); the COSHH Regulation 2020 and the product COSHH sheet. The Water Act 2014; the Floods and Water Amendment (EU Exit Regulations 2019; Control of Pollution Act 1974; Hedgerow ACT 1997; Wildlife and Countryside Act 1981; Countryside and Rights of way Act 2000.

GENERAL NOTES FOR THE DEVELOPER. 6.0 Tree protection 6.1 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 stems or roots, to prevent compaction from vehicles or storage of materials, contamination of soil from spilages, scorching from fires and instability or stress from changes of soil level. The landscape contractor is however responsible for ensuring that neither plant, materials or labor

are cause of any damage to existing trees, and like the employer, the landscape contractor shall replace at once any tree damaged on site, supplying and planting a tree of the same species and size, at his own cost. Protection barriers will

comprise a scaffold framework in accordance with Figure 2 of BS 5837:2012 (The BS). The framework will consist of vertical and horizont scaffolds with vertical tubes spaced at no more than intervals and driven into the ground. Weld mesh (Heras or similar) panels will be securely fixed on to

framework with wire or scaffold clamps. Tubes will as set out above. Representative samples shall first be be driven into the ground to a minimum depth of Supporting struts will be fixed to the inside of the barrier to ensure maximum rigidit

6.2 Ground work 6.2.1 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 the beds will become waterlogged in wet weather 

contractor shall replace at once at his own cost any stock 6.2.2 Top soil depth: Topsoil spread from the site should be to the following minimum depths:-Shrub beds: 450mm. Grass areas 150mm. allow size, specified on the planting bina and schedule, unless via prior written agreement, a substitution has been agreed by the inspecting landscape architect. All plants hall be true to size specified in the schedule of plants and associated notes, (2L pots are 11cm diameter and 13cm deep, 3L nots are 19rem diameter and 15cm deep, 3L be spread to a level 10mm below paving inorder to receive the turf. Topsoil for grass seed areas, the soil level shall be flush with any finished paved surfaces after settlement to allow for rain water to drain onto soft surfaces. Settlement shall be no greater than 5mm or problems will be encountered with mowing (the blades in danger of touching concrete edgings) or where soil is proud of pavements, then drainage problems will be

> 6.3 Existing topsoil and imported soil shall conform to BS 3882:2015, and be free from compaction, 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%.

7.0 Hardworks 7.1 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

7.2 All paths and edgings shall be set out properly 3.4 Proposed feathered trees to be true to the species, variety and size as specified on the planting plan to include 1.6m long, 100mm diameter, chestrut stake contractor and subsequently the landscape architect.

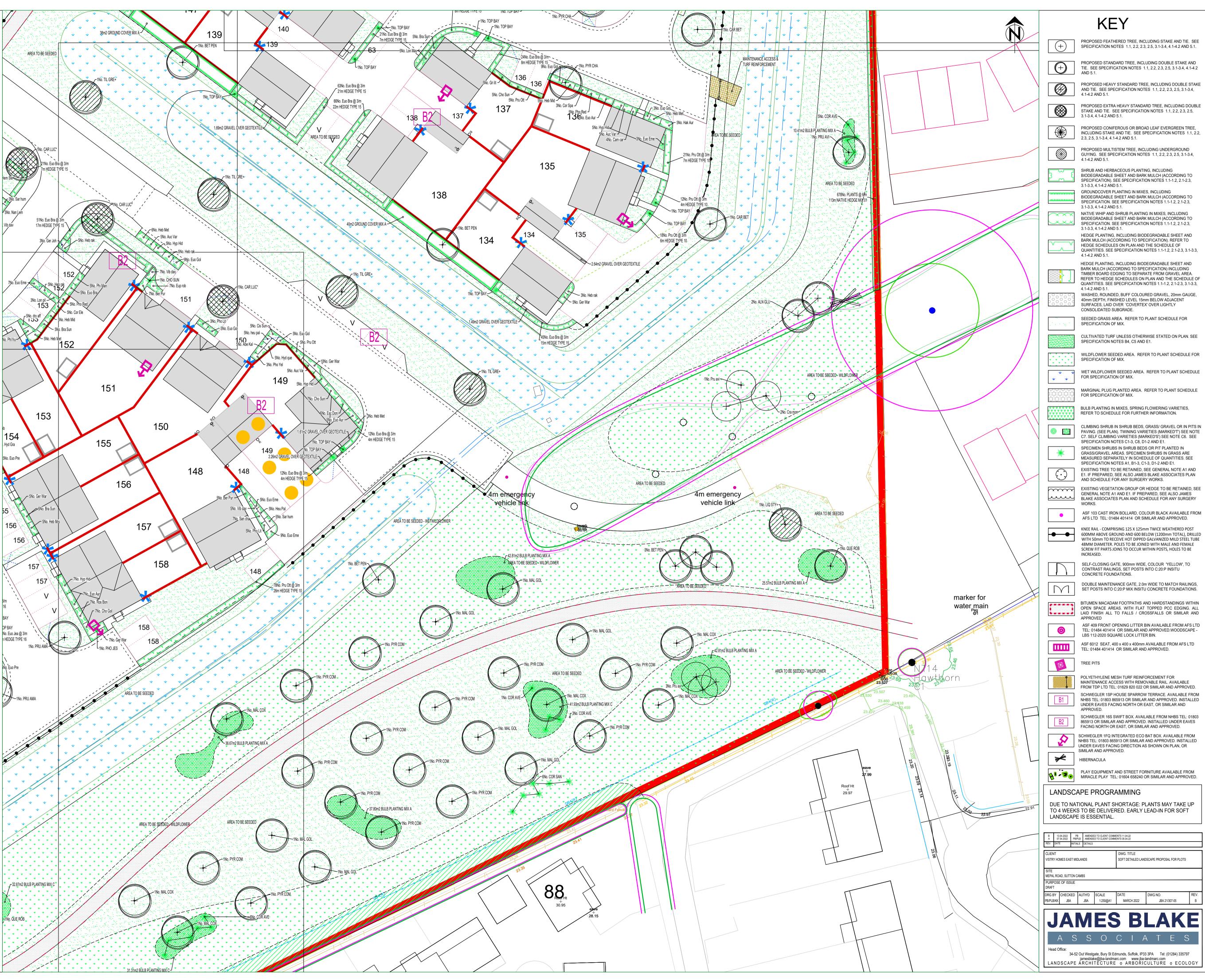
7.3 Hard surfaces shall be constructed after

7.4 All metalwork shall be finished hot 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 been removed & then allowed to dry thoroughly. Supp and paint 'lcosit 6630' from Sika Ltd (tel. 01707 374444) applied with a turkhead brush strictly in accordance with the manufacturers instructions COSHH regulations and the product COSHH sheet. Apply 2No. coats of paint with a dry film thickness of 100 microns per coat. Apply paint only when galvanized surface is thoroughly dry at 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 at the decorating contractors own cost. 7.5 All wood work shall be pressure treated with

Tanolith "E" water based wood preservative, applied by vacuum pressure. The timber shall then be stained with 3No. coats of Sadolin 'Classic,' colour 'Jacobean Walnut' strictly in accordance with the manufacturers instructions, COSHH Regulations 2020 and product COSHH sheet.

GENERAL NOTES ALL DIMENSIONS IN MILLIMETRES DO NOT SCALE OFF THIS DRAWING ALL DIMENSIONS TO BE CHECKED ON SITE C)JAMES BLAKE ASSOCIATES LTD 2022



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