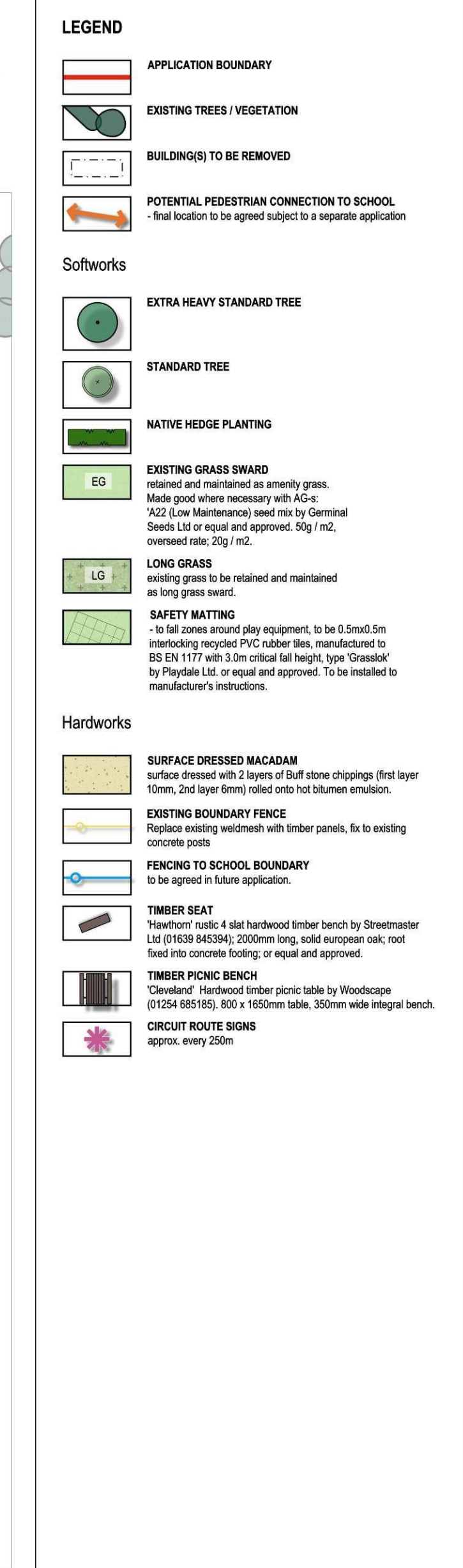




TOOL EQUIPMENTS:

1 Monkey Bars

2 Shuffle Bars

3 Chin Ups

4 Parallel Bars

PLANTING SPECIFICATION

General Guidance

All plant handling to be in accordance with the HTA 'Handling and establishing landscape plants' Part II and Part III (obtainable from the Horticultural Trades Association) and the CPSE publication: 'Plant Handling and all planting to conform to National Planting Specification Guidelines.

The individual setting-out of the plants on site shall be the responsibility of the contractor and should follow closely the locations shown on the detailed planting proposal drawings supplied by the landscape architect. Contractor to ensure that plants are equally spaced within individual planting groups.

Contractor to ensure that smaller plants are located to the front of plant species groups as shown on detailed planting plans.

Contractor shall maintain existing levels around the base of existing trees and shall undertake all planting works occurring within root protection areas (RPA) in accordance with BS5837:2012. Contractor shall not remove or relocate any tree protection fencing without prior consent of the client.

Contractor to check the locations of all underground services, existing and proposed, prior to the excavation of any new pits or shrub beds and identify any potential conflicts to the client / landscape architect.

All arisings shall be removed from site and the contractor shall at all times, keep the site free from rubbish and debris.

For the duration of the works the contractor shall keep the site free from injurious weeds as listed in the Weeds Act 1959.

All plants should be supplied at the same size and of the same species as specified in the planting schedules on the landscape proposals plan. Any proposed replacement species or deviation from the planting schedules should be highlighted to and agreed with the client prior to installation.

All plants shall be hardened-off at the Contractor's own nursery or at the source prior to planting out.

All field grown and rootballed trees must have been transplanted or installed in the nursery no less than 18 months prior to supply.

The Contractor shall carry out the work while soil and weather conditions are suitable. Planting is not to take place during periods of frost or strong winds.

The Contractor is to ensure that adequate watering and weed control is provided at the time of planting.

Any topsoil retained on site in stockpiles for use in planting works is to be stored in accordance with the DEFRA publication: 'Code of practice for the sustainable use of soils on construction sites'

Do not use peat or peat based products.

Prior to planting, planting areas shall be cleared of grass and weed

growth physically and/or chemically with a proprietary translocated herbicide and a period of time shall be allowed to elapse as recommended by the manufacturer before commencement of soil preparation for planting.

All plants are to be watered thoroughly before planting stage to ensure rootball is thoroughly soaked prior to final backfilling.

Tree Planting

Generally plant trees in pits with minimum dimensions of:-

- 1000 x 1000 x 700-800mm deep for trees in soft, planted areas including grass/grub areas and near gardens.

Backfill the pits in layers as specified below (from bottom up):

Drainage layer

- 200mm layer of compacted inert free draining gravel or sharp, single, wrapped in geo-textile membrane
- 100mm layer of washed medium-course sand to act as binding layer between geotextiles and soil.

Topsoil layer

- 400-500mm layer of retained site-sourced topsoil (free from weeds) or imported topsoil (Multi-purpose grade to BS3882:2015; sandy loam); depth dependent on size of rootball.

Depth of topsoil should only be as deep as the rootball of proposed tree to a max. depth of 400-500mm. Should the rootball be larger i.e. 800mm height, then the pit should be increased in depth to suit, but with the difference in depth from the 400-500mm topsoil layer and the drainage layer made up of quality inert free-draining subsoil to BS6801:2015 to avoid topsoil occurring at depths of greater than 500mm.

Likewise, for smaller trees i.e. feathered trees, with more limited rootball/bare root, the depth of topsoil can be reduced to reflect the surrounding topsoil depths or to a max. topsoil depth of 300mm, with a further layer of site-sourced or imported subsoil (to BS6801:2015) below to create a total depth of washed medium of between 400-500mm i.e. 150-200mm layer topsoil. Drainage layer should remain as above.

As stated above, the pit/pit pits for trees planted in newly created rootball/bare root, the depth of topsoil can be reduced to reflect the surrounding topsoil depths or to a max. topsoil depth of 300mm, with a further layer of site-sourced or imported subsoil (to BS6801:2015) below to create a total depth of washed medium of between 400-500mm i.e. 150-200mm layer topsoil. Drainage layer should remain as above.

Break up bottom of tree pit to a depth of 200mm and ensure ground is free-draining. Lower edges of tree pit at time of planting to be using a fork to ensure ground is drained. Pits should be excavated no greater than 48hrs prior to planting and de-watered as required.

Incorporate a soil conditioner/amendment in the form of peat-free tree and shrub compost or well rotted spent mushroom compost or 'Rootmaster' by Greenlee Ltd (10423 332100) into backfilled topsoil material at the rate of min. 40L per pit.

Incorporate soil improver 'Terracot Arbot' by Greenlee Ltd (10423

332100) at a rate of 1kg per pit, mixed thoroughly into backfilled topsoil.

Backfill topsoil in layers of 150mm, firming at each layer and loosening the pit sides to avoid drainage. The surface level of the pit should be 50mm above the surrounding ground.

Trees shall be planted in the centre of the excavated pits.

Trees in soft planted areas to be dressed with a minimum 75mm thick fibres, consisting of pine bark fibres, particle size 15-50mm to a min. diameter of 100mm-1200mm where appropriate.

Semi-mature trees shall be supported by way of a proprietary underground guying system, incorporating guy mats to protect the upper surface of the rootball and secured to the base of the tree pit or by use of deadman anchors. Guying supports to be sized in line with the size of the trees as recommended by the manufacturers.

Extra-heavy and heavy standard trees shall be staked and supported with a low, double stake consisting of 2No. 75mm diameter x min. 200mm length, rounded top steel posts driven into the ground, 800mm above ground level and fixed to the tree by a proprietary rubber tree tie / horizontal cross support.

Standard trees shall be staked and supported with a low, single stake consisting of 1No. 75mm diameter x min. 200mm length, rounded top steel post driven into the ground at 45 degree angle to approx. 450mm above ground level and fixed to the tree by a proprietary rubber tree tie.

Trees shall be installed with proprietary flexible protected irrigation/planting pipe with integral cap. Pipe to be installed encircling equally around rootball to the full depth of planting to suit, with the final cap section installed just above ground level and nailed securely in place to the adjacent timber stake.

All trees in grass areas to be protected by min. 225mm high x 125mm deep, proprietary plastic stem/wire guards. Where trees have a basal trunk diameter greater than 125mm (i.e. semi-mature, then two or more guards should be joined together using joining tape and then secured in place.

Root Barrier Membranes

Where trees are proposed in close proximity to hard paved areas or proposed service runs, a root barrier membrane is to be installed as prescribed below.

For all proposed trees centred in a location within 3m of an adjacent hard standing/topsoil or carriageway kerb line, a proprietary root barrier membrane will be installed to protect the hard standing and any underground services located beneath from future damage by tree roots.

Root barrier membrane(s) to be installed on the tree side along the back edge of the kerb / edging restraint to the adjacent hard standing and are to extend a minimum 3m in each direction from a point taken perpendicular from the tree trunk to the kerb/edging face.

Root barrier membranes are to extend to a depth as outlined below:-

- For trees adjacent to hard standing only (no underground services);