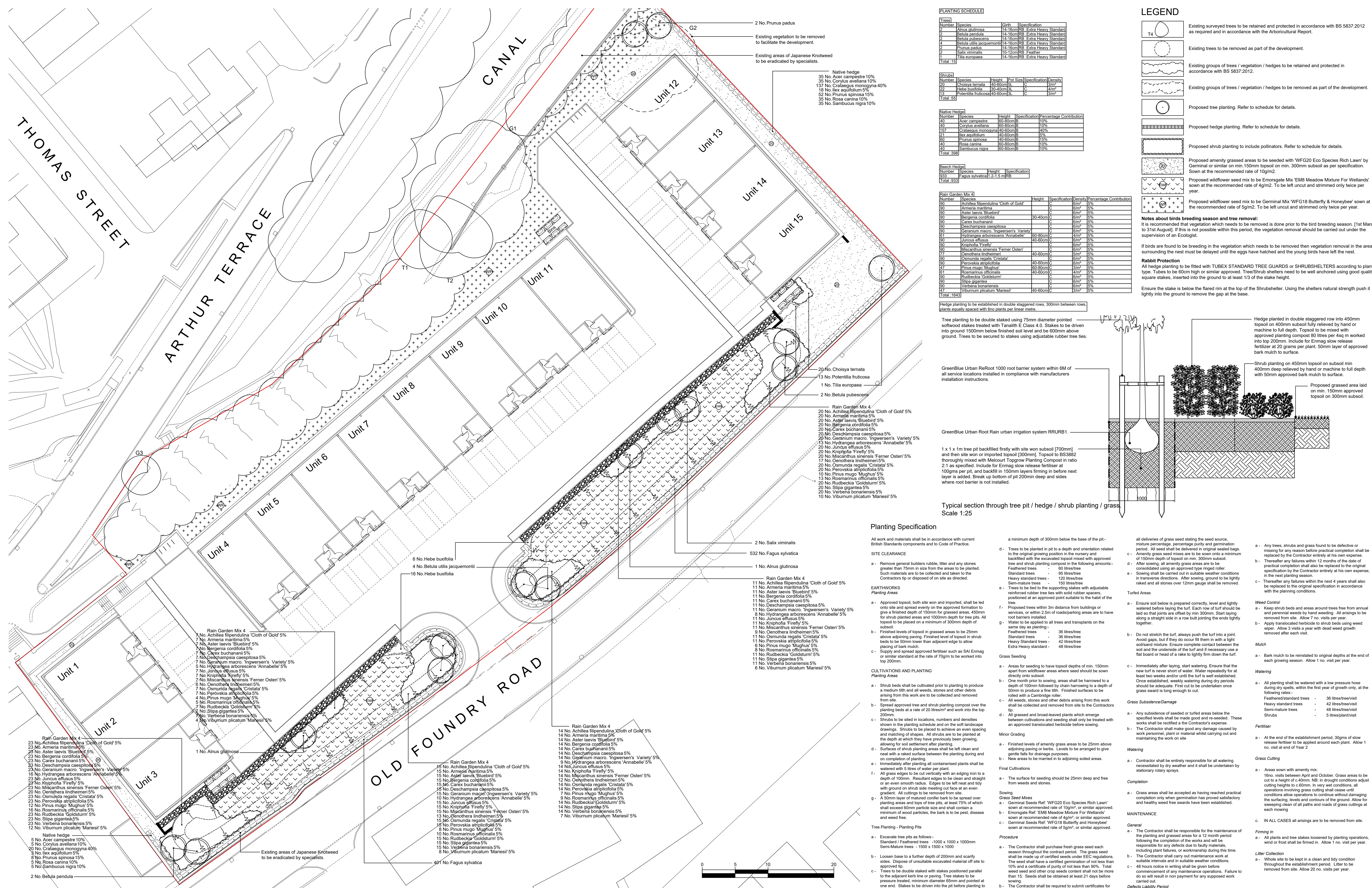




Planting Specification

All work and materials shall be in accordance with current British Standards components and to Code of Practice.

SITE CLEARANCE

- a - Remove general builders rubble, litter and any stones greater than 75mm in size from the areas to be planted. Such materials are to be collected and taken to the Contractors tip or disposed of on site as directed.

EARTHWORKS

Planting Areas

- a - Approved topsoil, both site won and imported, shall be led onto site and spread evenly on the approved formation to give a finished depth of 150mm for grassed areas, 450mm for shrub planted areas and 1000mm depth for tree pits. All topsoil to be placed on a minimum of 300mm depth of subsoil.
- b - Finished levels of topsoil in grassed areas to be 25mm above adjoining paving. Finished level of topsoil in shrub beds to be 50mm lower than adjacent edge to allow placing of bark mulch.
- c - Supply and spread approved fertiliser such as SAI Ersmog or similar standard at the rate of 70g/m² to be worked into top 200mm.

CULTIVATIONS AND PLANTING

Planting Areas

- a - Shrub beds shall be cultivated prior to planting to produce a medium tilth and all weeds, stones and other debris arising from this work are to be collected and removed from site.
- b - Spread approved tree and shrub planting compost over the planting beds at a rate of 20 litres/m² and work into the top 200mm.
- c - Shrubs to be staked in locations, numbers and densities shown in the planting schedule and on the soft landscape drawings. Shrubs to be placed to achieve an even spacing and matching of shapes. All shrubs are to be planted at the depth at which they have previously been growing, allowing for soil settlement after planting.
- d - Surfaces of shrub planting areas shall be left clean and free of any raked surface between the planting during and on completion of planting.
- e - Immediately after planting all containerised plants shall be watered with 5 litres of water per plant.
- f - All grass edges to be cut vertically with an edging iron to a depth of 100mm. Resultant edges to be clean and straight or an even smooth radius. Edges to be left neat tidy with ground on shrub side meeting cut face at an even gradient. All cuttings to be removed from site.
- g - A 50mm layer of matured control bark to be spread over planting areas and tops of tree pits, at least 75% of which shall exceed 60mm particle size and shall contain a minimum of wood particles, the bark is to be pest, disease and weed free.

Tree Planting - Planting Pits

- a - Excavate tree pits as follows:-
 - Standard / Feathered trees - 1000 x 1000 x 1000mm
 - Mini-Mature trees - 1500 x 1500 x 1000
- b - Loosen base to a further depth of 200mm and scanty sides. Dispose of unsuitable excavated material off site to approved tip.
- c - Trees to be double staked with stakes positioned parallel to the adjacent kerb line or paving. Tree stakes to be pressure treated, minimum diameter 65mm and pointed at one end. Stakes to be driven into the pit before planting to

a minimum depth of 300mm below the base of the pit:-

- d - Trees to be planted in pit to a depth and orientation related to the original growing position in the nursery and backfilled with the excavated topsoil mixed with approved tree and shrub planting compost in the following amounts:-
 - Feathered trees - 60 litres/tree
 - Standard trees - 95 litres/tree
 - Heavy standard trees - 120 litres/tree
 - Semi-mature trees - 150 litres/tree
- e - Trees to be tied to the supporting stakes with adjustable reinforced rubber tree ties with solid rubber spacers, positioned at an approved point suitable to the habit of the tree.
- f - Proposed trees within 3m distance from buildings or services, or within 2.5m of road/parking areas are to have root barriers installed.
- g - Water to be applied to all trees and transplants on the same day as planting:
 - Feathered trees - 36 litres/tree
 - Standard trees - 36 litres/tree
 - Heavy Standard trees - 42 litres/tree
 - Extra Heavy standard - 48 litres/tree

Grass Seeding

- a - Areas for seeding to have topsoil depths of min. 150mm apart from wildflower areas where seed should be sown directly onto subsoil.
- b - One month prior to sowing, areas shall be harrowed to a depth of 100mm followed by chain harrowing to a depth of 50mm to produce a fine tilth. Finished surfaces to be rolled with a Cambridge roller.
- c - All weeds, stones and other debris arising from this work shall be collected and removed from site to the Contractors tip.
- d - All grassed and broad-leaved plants which emerge between cultivations and seeding shall only be treated with an approved translocated herbicide before sowing.

Minor Grading

- a - Finished levels of amenity grass areas to be 25mm above adjoining paving or kerbs. Levels to be arranged to give gentle falls for drainage purposes.
- b - New areas to be marked in to adjoining soiled areas.

Final Cultivations

- a - The surface for seeding should be 25mm deep and free from weeds and stones.

Sowing Grass Seed Mixes

- a - Germinall Seeds Ref: 'WFG20 Eco Species Rich Lawn' sown at recommended rate of 10g/m², or similar approved.
- b - Emorgate Ref: 'EM8 Meadow Mixture For Wetlands' sown at recommended rate of 4g/m², or similar approved.
- c - Germinall Seeds Ref: 'WFG18 Butterfly and Honeybee' sown at recommended rate of 5g/m², or similar approved.

Procedure

- a - The Contractor shall purchase fresh grass seed each season throughout the contract period. The grass seed shall be made up of certified seeds under EEC regulations. The seed shall have a certified germination of not less than 10% and a certificate of purity of not less than 90%. Total weed seed content other crop seeds content shall not be more than 15%. Seeds shall be obtained at least 21 days before sowing.
- b - The Contractor shall be required to submit certificates for

- all deliveries of grass seed stating the seed source, mixture percentage, percentage purity and germination period. All seed shall be delivered in original sealed bags. Amenity grass seed mixes are to be sown onto a minimum of 150mm depth of topsoil on min. 300mm subsoil.
- d - After sowing, all amenity grass areas are to be consolidated using an approved type ringed roller.
- e - Sowing shall be carried out in suitable weather conditions in transverse directions. After sowing, ground to be lightly raked and all stones over 12mm gauge shall be removed.

Turfed Areas

- a - Ensure soil below is prepared correctly, level and lightly watered before laying the turf. Each row of turf should be laid so that joints are offset by min. 300mm. Start laying along a straight line in a row but joining the ends tightly together.
- b - Do not stretch the turf, always push the turf into a joint. Avoid gaps, but if they do occur fill them in with a light soil/sand mixture. Ensure complete contact between the soil and the underside of the turf and if necessary use a flat board or head of a rake to lightly firm down the turf.

- c - Immediately after laying, start watering. Ensure that the new turf is never short of water. Water repeatedly for at least two weeks and/or until the turf is well established. Once established, weekly watering during dry periods should be adequate. First cut to be undertaken once grass sward is long enough to cut.

Grass Subsidence/Damage

- a - Any subsidence of seeded or turfed areas below the specified levels shall be made good and re-seeded. These works shall be rectified at the Contractor's expense.
- b - The Contractor shall make good any damage caused by work, personnel, plant or material whilst carrying out and maintaining the work on site.

Watering

- a - Contractor shall be entirely responsible for all watering necessitated by dry weather and it shall be undertaken by stationary rotary sprays.

Completion

- a - Grass areas shall be accepted as having reached practical completion only when germination has proved satisfactory and healthy weed free swards have been established.

MAINTENANCE

General

- a - The Contractor shall be responsible for the maintenance of the planted and grassed areas for a 12 month period following the completion of the works and will be responsible for any defects due to faulty materials, including tree failures, or workmanship during this time.
- b - The Contractor shall carry out maintenance work at suitable intervals and in suitable weather conditions.
- c - 48 hours notice in writing shall be given before commencement of any maintenance operations. Failure to do so will result in no payment for any supposed work carried out.

Defects Liability Period

Grass Cutting

- a - Areas sown with amenity mix: 16m² visits between April and October. Grass areas to be cut to a height of c.40mm. NB: In drought conditions adjust cutting heights to c.60mm. In very wet conditions, all operations involving grass cutting shall cease until releases allow operations to continue without damaging the surfacing, levels and contours of the ground. Allow for sweeping clean of all paths and roads of grass cuttings at each mowing.

Litter Collection

- a - Whole site to be kept in a clean and tidy condition throughout the establishment period. Litter to be removed from site. Allow 20 no. visits per year.

Firming In

- a - All plants and tree stakes loosened by planting operations, wind or frost shall be firmed in. Allow 1 no. visit per year.

Soil Compaction

- a - Whole site to be kept in a clean and tidy condition throughout the establishment period. Litter to be removed from site. Allow 20 no. visits per year.

Grass Seeding

- a - Areas sown with amenity mix: 16m² visits between April and October. Grass areas to be cut to a height of c.40mm. NB: In drought conditions adjust cutting heights to c.60mm. In very wet conditions, all operations involving grass cutting shall cease until releases allow operations to continue without damaging the surfacing, levels and contours of the ground. Allow for sweeping clean of all paths and roads of grass cuttings at each mowing.

Litter Collection

- a - Whole site to be kept in a clean and tidy condition throughout the establishment period. Litter to be removed from site. Allow 20 no. visits per year.

Firming In

- a - All plants and tree stakes loosened by planting operations, wind or frost shall be firmed in. Allow 1 no. visit per year.

Soil Compaction

- a - Whole site to be kept in a clean and tidy condition throughout the establishment period. Litter to be removed from site. Allow 20 no. visits per year.

Grass Seeding

- a - Areas sown with amenity mix: 16m² visits between April and October. Grass areas to be cut to a height of c.40mm. NB: In drought conditions adjust cutting heights to c.60mm. In very wet conditions, all operations involving grass cutting shall cease until releases allow operations to continue without damaging the surfacing, levels and contours of the ground. Allow for sweeping clean of all paths and roads of grass cuttings at each mowing.

Litter Collection

- a - Whole site to be kept in a clean and tidy condition throughout the establishment period. Litter to be removed from site. Allow 20 no. visits per year.

Firming In

- a - All plants and tree stakes loosened by planting operations, wind or frost shall be firmed in. Allow 1 no. visit per year.

Soil Compaction

- a - Whole site to be kept in a clean and tidy condition throughout the establishment period. Litter to be removed from site. Allow 20 no. visits per year.

Grass Seeding

- a - Areas sown with amenity mix: 16m² visits between April and October. Grass areas to be cut to a height of c.40mm. NB: In drought conditions adjust cutting heights to c.60mm. In very wet conditions, all operations involving grass cutting shall cease until releases allow operations to continue without damaging the surfacing, levels and contours of the ground. Allow for sweeping clean of all paths and roads of grass cuttings at each mowing.

Litter Collection

- a - Whole site to be kept in a clean and tidy condition throughout the establishment period. Litter to be removed from site. Allow 20 no. visits per year.

Firming In

- a - All plants and tree stakes loosened by planting operations, wind or frost shall be firmed in. Allow 1 no. visit per year.

Soil Compaction

- a - Whole site to be kept in a clean and tidy condition throughout the establishment period. Litter to be removed from site. Allow 20 no. visits per year.

Grass Seeding

- a - Areas sown with amenity mix: 16m² visits between April and October. Grass areas to be cut to a height of c.40mm. NB: In drought conditions adjust cutting heights to c.60mm. In very wet conditions, all operations involving grass cutting shall cease until releases allow operations to continue without damaging the surfacing, levels and contours of the ground. Allow for sweeping clean of all paths and roads of grass cuttings at each mowing.

Litter Collection

- a - Whole site to be kept in a clean and tidy condition throughout the establishment period. Litter to be removed from site. Allow 20 no. visits per year.

Firming In

- a - All plants and tree stakes loosened by planting operations, wind or frost shall be firmed in. Allow 1 no. visit per year.

Soil Compaction

- a - Whole site to be kept in a clean and tidy condition throughout the establishment period. Litter to be removed from site. Allow 20 no. visits per year.

Grass Seeding

- a - Areas sown with amenity mix: 16m² visits between April and October. Grass areas to be cut to a height of c.40mm. NB: In drought conditions adjust cutting heights to c.60mm. In very wet conditions, all operations involving grass cutting shall cease until releases allow operations to continue without damaging the surfacing, levels and contours of the ground. Allow for sweeping clean of all paths and roads of grass cuttings at each mowing.

Litter Collection

- a - Whole site to be kept in a clean and tidy condition throughout the establishment period. Litter to be removed from site. Allow 20 no. visits per year.

Firming In

- a - All plants and tree stakes loosened by planting operations, wind or frost shall be firmed in. Allow 1 no. visit per year.

Soil Compaction

- a - Whole site to be kept in a clean and tidy condition throughout the establishment period. Litter to be removed from site. Allow 20 no. visits per year.

Grass Seeding

- a - Areas sown with amenity mix: 16m² visits between April and October. Grass areas to be cut to a height of c.40mm. NB: In drought conditions adjust cutting heights to c.60mm. In very wet conditions, all operations involving grass cutting shall cease until releases allow operations to continue without damaging the surfacing, levels and contours of the ground. Allow for sweeping clean of all paths and roads of grass cuttings at each mowing.

Litter Collection

- a - Whole site to be kept in a clean and tidy condition throughout the establishment period. Litter to be removed from site. Allow 20 no. visits per year.

Firming In

- a - All plants and tree stakes loosened by planting operations, wind or frost shall be firmed in. Allow 1 no. visit per year.

Soil Compaction

- a - Whole site to be kept in a clean and tidy condition throughout the establishment period. Litter to be removed from site. Allow 20 no. visits per year.

Grass Seeding

- a - Areas sown with amenity mix: 16m² visits between April and October. Grass areas to be cut to a height of c.40mm. NB: In drought conditions adjust cutting heights to c.60mm. In very wet conditions, all operations involving grass cutting shall cease until releases allow operations to continue without damaging the surfacing, levels and contours of the ground. Allow for sweeping clean of all paths and roads of grass cuttings at each mowing.

Litter Collection

- a - Whole site to be kept in a clean and tidy condition throughout the establishment period. Litter to be removed from site. Allow 20 no. visits per year.

Firming In

- a - All plants and tree stakes loosened by planting operations, wind or frost shall be firmed in. Allow 1 no. visit per year.

Soil Compaction

- a - Whole site to be kept in a clean and tidy condition throughout the establishment period. Litter to be removed from site. Allow 20 no. visits per year.

Grass Seeding

- a - Areas sown with amenity mix: 16m² visits between April and October. Grass areas to be cut to a height of c.40mm. NB: In drought conditions adjust cutting heights to c.60mm. In very wet conditions, all operations involving grass cutting shall cease until releases allow operations to continue without damaging the surfacing, levels and contours of the ground. Allow for sweeping clean of all paths and roads of grass cuttings at each mowing.

Litter Collection

- a - Whole site to be kept in a clean and tidy condition throughout the establishment period. Litter to be removed from site. Allow 20 no. visits per year.

Firming In

- a - All plants and tree stakes loosened by planting operations, wind or frost shall be firmed in. Allow 1 no. visit per year.

Soil Compaction

- a - Whole site to be kept in a clean and tidy condition throughout the establishment period. Litter to be removed from site. Allow 20 no. visits per year.

Grass Seeding

- a - Areas sown with amenity mix: 16m² visits between April and October. Grass areas to be cut to a height of c.40mm. NB: In drought conditions adjust cutting heights to c.60mm. In very wet conditions, all operations involving grass cutting shall cease until releases allow operations to continue without damaging the surfacing, levels and contours of the ground. Allow for sweeping clean of all paths and roads of grass cuttings at each mowing.

Litter Collection

- a - Whole site to be kept in a clean and tidy condition throughout the establishment period. Litter to be removed from site. Allow 20 no. visits per year.

Firming In

- a - All plants and tree stakes loosened by planting operations, wind or frost shall be firmed in. Allow 1 no. visit per year.

Soil Compaction

- a - Whole site to be kept in a clean and tidy condition throughout the establishment period. Litter to be removed from site. Allow 20 no. visits per year.

Grass Seeding

- a - Areas sown with amenity mix: 16m² visits between April and October. Grass areas to be cut to a height of c.40mm. NB: In drought conditions adjust cutting heights to c.60mm. In very wet conditions, all operations involving grass cutting shall cease until releases allow operations to continue without damaging the surfacing, levels and contours of the ground. Allow for sweeping clean of all paths and roads of grass cuttings at each mowing.

Litter Collection

- a - Whole site to be kept in a clean and tidy condition throughout the establishment period. Litter to be removed from site. Allow 20 no. visits per year.

Firming In

- a - All plants and tree stakes loosened by planting operations, wind or frost shall be firmed in. Allow 1 no. visit per year.

Soil Compaction

- a - Whole site to be kept in a clean and tidy condition throughout the establishment period. Litter to be removed from site. Allow 20 no. visits per year.

Grass Seeding

- a - Areas sown with amenity mix: 16m² visits between April and October. Grass areas to be cut to a height of c.40mm. NB: In drought conditions adjust cutting heights to c.60mm. In very wet conditions, all operations involving grass cutting shall cease until releases allow operations to continue without damaging the surfacing, levels and contours of the ground. Allow for sweeping clean of all paths and roads of grass cuttings at each mowing.

Litter Collection

- a - Whole site to be kept in a clean and tidy condition throughout the establishment period. Litter to be removed from site. Allow 20 no. visits per year.

Firming In

- a - All plants and tree stakes loosened by planting operations, wind or frost shall be firmed in. Allow 1 no. visit per year.

Soil Compaction

- a - Whole site to be kept in a clean and tidy condition throughout the establishment period. Litter to be removed from site. Allow 20 no. visits per year.

Grass Seeding

- a - Areas sown with amenity mix: 16m² visits between April and October. Grass areas to be cut to a height of c.40mm. NB: In drought conditions adjust cutting heights to c.60mm. In very wet conditions, all operations involving grass cutting shall cease until releases allow operations to continue without damaging the surfacing, levels and contours of the ground. Allow for sweeping clean of all paths and roads of grass cuttings at each mowing.

Litter Collection

- a - Whole site to be kept in a clean and tidy condition throughout the establishment period. Litter to be removed from site. Allow 20 no. visits per year.

Firming In

- a - All plants and tree stakes loosened by planting operations, wind or frost shall be firmed in. Allow 1 no. visit per year.

Soil Compaction

- a - Whole site to be kept in a clean and tidy condition throughout the establishment period. Litter to be removed from site. Allow 20 no. visits per year.

Grass Seeding

- a - Areas sown with amenity mix: 16m² visits between April and October. Grass areas to be cut to a height of c.40mm. NB: In drought conditions adjust cutting heights to c.60mm. In very wet conditions, all operations involving grass cutting shall cease until releases allow operations to continue without damaging the surfacing, levels and contours of the ground. Allow for sweeping clean of all paths and roads of grass cuttings at each mowing.

Litter Collection

- a - Whole site to be kept in a clean and tidy condition throughout the establishment period. Litter to be removed from site. Allow 20 no. visits per year.

Firming In

- a - All plants and tree stakes loosened by planting operations, wind or frost shall be firmed in. Allow 1 no. visit per year.

Soil Compaction

- a - Whole site to be kept in a clean and tidy condition throughout the establishment period. Litter to be removed from site. Allow 20 no. visits per year.

Grass Seeding

- a - Areas sown with amenity mix: 16m² visits between April and October. Grass areas to be cut to a height of c.40mm. NB: In drought conditions adjust cutting heights to c.60mm. In very wet conditions, all operations involving grass cutting shall cease until releases allow operations to continue without damaging the surfacing, levels and contours of the ground. Allow for sweeping clean of all paths and roads of grass cuttings at each mowing.

Litter Collection

- a - Whole site to be kept in a clean and tidy condition throughout the establishment period. Litter to be removed from site. Allow 20 no. visits per year.

Firming In

- a - All plants and tree stakes loosened by planting operations, wind or frost shall be firmed in. Allow 1 no. visit per year.

Soil Compaction

- a - Whole site to be kept in a clean and tidy condition throughout the establishment period. Litter to be removed from site. Allow 20 no. visits per year.

Grass Seeding

- a - Areas sown with amenity mix: 16m² visits between April and October. Grass areas to be cut to a height of c.40mm. NB: In drought conditions adjust cutting heights to c.60mm. In very wet conditions, all operations involving grass cutting shall cease until releases allow operations to continue without damaging the surfacing, levels and contours of the ground. Allow for sweeping clean of all paths and roads of grass cuttings at each mowing.

Litter Collection

- a - Whole site to be kept in a clean and tidy condition throughout the establishment period. Litter to be removed from site. Allow 20 no. visits per year.

Firming In

- a - All plants and tree stakes loosened by planting operations, wind or frost shall be firmed in. Allow 1 no. visit per year.

Soil Compaction

- a - Whole site to be kept in a clean and tidy condition throughout the establishment period. Litter to be removed from site. Allow 20 no. visits per year.

Grass Seeding

- a - Areas sown with amenity mix: 16m² visits between April and October. Grass areas to be cut to a height of c.40mm. NB: In drought conditions adjust cutting heights to c.60mm. In very wet conditions, all operations involving grass cutting shall cease until releases allow operations to continue without damaging the surfacing, levels and contours of the ground. Allow for sweeping clean of all paths and roads of grass cuttings at each mowing.

Litter Collection

- a - Whole site to be kept in a clean and tidy condition throughout the establishment period. Litter to be removed from site. Allow 20 no. visits per year.

Firming In