

specification notes

- Prior to construction on site, protective fencing shall be erected around each hedge, tree or group at the minimum radius from the trunk of the tree at the canopy extent plus 10% (whichever is the greater). No soil, spoil or other material shall be deposited within the fenced areas;
- Underground services to be routed to avoid fenced areas;
- No burning to take place within 10m of the furthest extent of the canopy of trees to be retained on site or on land adjoining;
- The fence shall be kept in constant repair throughout the development work;
- The protective fencing shall be retained in position until completion of the development, when it shall be removed only with the written consent of the planning authority; should the fence temporarily need to be removed to complete works, then it shall be replaced immediately following completion and at least at the end of each day;
- The fence shall be at least 2.4 metres high, comprising of a scaffolding framework, as in 8.2.2 of BS 5837 (2005), supporting a minimum of 200mm exterior grade ply or other approved robust man-made boards as shown in BS 5837 (2012), Figure 5
- Tree locations are subject to confirmation of engineering and foundation details. Foundations shall comply with guidelines set by structural engineering consultants, and shall accord with the current NHBC Standards 'Building near Trees' and shall accommodate immediate and future impact of tree or shrubs on buildings and their foundations.
- Any proposed substitutions, whether species, cultivar, pot size or other specification, must be approved by landscape architect prior to planting;
- Any significant layout changes necessitating revised details (such as new retaining walls casting shed on planting beds) should be reported to the landscape architect;
- All Nursery Stock to comply with BS3936 Part 1:1992 and all subsequent amendments;
- All Landscape operations to comply with BS4428:1989 and all subsequent amendments; and
- The supply and planting of trees will be in accordance with BS 8545:2014
- The landscape contractor to make him/herself aware of any underground services prior to planting.
- Any poor site or soil preparation or conditions to be reported to site manager for remediation prior to planting.

SOILS

- Topsoil and subsoil to be stored in separate, non-overlapping mounds and topsoil should be stripped from any areas used for subsoil storage. The minimum amount of compaction should be applied when forming soil storage mounds, they should not be driven across. Topsoil mounds should be no greater than 2m in height and subsoil mounds should be no higher than 3m.
- The protection of topsoil and subsoil for planting areas should accord with the Construction Code for the Sustainable Use of Soils on Construction Sites (DEFRA, 2009), BS 3882:2015 and BS 8545:2014;
- Great care must be taken to preserve existing soil quality and integrity;
- All ground modelling to be to smooth and flowing contours new soil edge to be feathered to marry into adjacent levels;
- Soil levels to remain unchanged in RPAs of existing hedges and trees;
- All planting and grass areas to be cultivated, with prior ripping where necessary to relieve compaction caused by tracking;
- Planting areas to be spread with imported free draining topsoil to a depth of 300mm for planting beds, above subsoil; 150mm for grass; soils allowed to settle prior to planting or seeding.

TREE PITS

- Tree pits to be excavated to minimum 1m x 1m x depth of rootball. In sloping ground, maintain horizontal bases and vertical sides with no less than minimum depth throughout. Break up bottoms of pits to a depth of 150mm and scarify sides;
- All tree pits to be back filled with 600mm subsoil followed by 300mm topsoil;
- All rootballed trees to be anchored underground with Greenleaf Rootball Fixing System and planted with Greenleaf 'Root Rain Urban' watering pipes, fitted according to manufacturer's instructions;
- Tree supply, planting and aftercare must accord with BS 8545:2014. All non-biodegradable wrappings, cages etc. to be completely removed on planting. Biodegradable wrappings also to be removed, but may, where root-ball collapse is a concern, be cut and peeled back to no less than one-third root-ball height;
- All trees in grass to be planted in 1m diameter mulched and edged bed;
- For hedge infill planting, including any gaps in existing or proposed hedges which appear during the management period, these should be filled using the same species as specified in the planting plan.

- All planting beds adjacent grass areas and tree pits in grass to be edged with half moon edging tool to separate mulch from grass by forming neat and vertical edges;
- All planting beds but not tree pits to receive peat-free compost during cultivations at a rate of 1m3 to 20m2 and slow release fertiliser (e.g. Ficote 140) at rate of 25g/plant; beds to be thoroughly watered following planting and before mulching;
- All planting beds to receive Green-Tech mycorrhizal Root Grow (granules for general planting and root dip for bare root planting), applied according to manufacturer recommendations;
- 'Shademaister' turf laid to all back gardens and frontages and maintained appropriate to season;
- Mulch to be dark brown mixed conifer bark of particle size 8-35mm and pH range 5.0-7.0 to BS PAS 100:2005; mulch to be laid to 75mm (settled) depth.
- Watering to continue as required throughout first growing season following planting;
- All rootballed trees to be anchored underground with Greenleaf Rootball Fixing System and planted with Greenleaf 'Root Rain Urban' watering pipes, fitted according to manufacturer's instructions;
- All same-species trees to be similar height, form and habit;
- Bareroot/canisterised trees to be staked with stout double stakes a maximum of one quarter the height of the tree above ground, and fixed with Greenleaf biodegradable hessian ties;
- All trees in grass to be planted in mulched edged bed of 1m diameter.
- For new wildflower areas and remedial areas: Wildflower grass to be sown on finely cultivated subsoil using shake-aerator; spread with 10-15mm layer of compost, worked into the top layer and watered in (to ensure some nitrogen but low phosphorus); Sunny area seed mix to be Emorsgate EM1 Meadow Mix sown at 4g/m2 Shady area seed mix to be Emorsgate EM8 Woodland & Hedgerow Mix sown at 4g/m2

WATERING

During tree, hedge, shrub, perennial and grass establishment and for duration of maintenance period ensure that sufficient water is applied using a hose to maintain healthy growth. During very dry summer spells, trees to be watered at rate of 25L and shrubs at 5L per plant per week during establishment. Draw back mulch and water with hose. Do not use sprays or sprinklers (except for grass and wildflowers) as these just wet the top of the mulch and do not penetrate the root zone.



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