

PROTECTION OF EXISTING TREES AND VEGETATION

Tree protection during construction

When construction equipment, vehicles and even pedestrian traffic intrude into a tree's critical root zone - compaction of the soil and damage of near surface roots can endanger the structural integrity of the tree.

Tree Protection Fencing and Temporary Protection to Planting as recommended by British Standard BS 5837:2012 for trees, existing vegetation and identified root zones to be protected by a vertical and horizontal, scaffold framework, well braced to resist impacts, with vertical tubes at no more than 3m intervals. These should be driven into the ground. Weldmesh panels should be affixed to this framework with scaffold clamps. Fence to be erected in line with tree protection as indicated and to be maintained in good condition throughout the construction period. No work or storage will be undertaken within this area unless as part of a no dig solution for footpath construction.

Tree Root Protection systems must comply with the Arboricultural Method Statement as outlined in BS5837:2012, the Town and Country Planning Act 1990 and Arboricultural Practice Note 12 (APN12). Full extent of RPA should be confirmed by tree survey if required.

SHRUB PLANTING

Generally

Materials, goods and workmanship shall be the best quality of their respective kinds, and those for which there is a British Standard or Code of Practice shall comply therewith. Regarding the timing of Horticultural Works, planting shall be carried out between November and March subject to suitable weather conditions.

All planting to be carried out in accordance with BS 4428 and during suitable weather conditions. Do not use mechanical tools within 100mm of tree and plant stems. Water as necessary to ensure establishment and continued thriving of planting. Plants to be materially undamaged, sturdy, healthy and vigorous specimen, of good shape and without elongated shoots, grown in a suitable environment and hardened off and free from pests, diseases, discoloration, weeds and physiological disorders. Plant standard to BS 3936 'Nursery stock'. Name, forms, dimensions, provenance and other criteria as scheduled and defined in the National Plant Specification. Plant handling shall be in accordance with HTA 'Handling and establishing landscape plants'.

Origin of Plants, Certification and Labelling

All plants shall have been obtained from a reputable nursery and grown within the British Isles for at least one growing season if stock of local provenance is not available. The contractor shall provide a Certificate of Local Provenance and confirmation that all plants supplied comply with the specification. Plant samples shall be approved on site by the Landscape Architect prior to planting.

Soil

Soil to be free of pests, disease, fungus and foreign matter. Do not use topsoil contaminated with subsoil, rubbish or other materials that are corrosive, explosive, flammable, hazardous to human or animal life or detrimental to healthy plant growth. The Contractor shall appoint a suitably qualified and approved, independent Soil Scientist to undertake the sampling and testing of the soil materials considered for importation or re use. Sample results to be circulated prior to commencement of works.

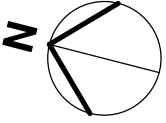
Topsoil to be in accordance with BS 3882 2015 'Specification for topsoil' in all respects. Green compost for soil amelioration to be incorporated into soil for tree planting to be in accordance with BSI PAS 100:2011 or current revision and sourced from a PAS 100 compliant facility.

Prepare subsoil by excavating/placing fill to the required profiles, loosening thoroughly when ground conditions are reasonably dry to a depth of 450mm and removing stones larger than 50mm, arisings, contaminants, debris and builders' rubble.

Planting

Ornamental planting: Planting density and groupings - refer to schedule. Planting bed depth to be 450mm minimum (of which 300mm topsoil and 150mm loosened base of planting bed). Finished level of mulch to be 25-30mm below adjacent grassed areas. Plant in groups of no less than 8 plants but no more than 16 (based on 8/m2) ensuring that no two groups of the same species are next to one another and in a naturalistic appearance.

Trees: Standard trees to be planted bare root at 8-10cm girth / 2.5-3.0m. Rootball approx. less than 40 x 40cm & 75Kg. To include staking, irrigation and 12 months maintenance. A minimum area based on 500mm radius around base of the tree should remain weed free at all times, including a maintained 75mm depth of bark mulch. BS 8545:2014 Trees: from nursery to independence in the landscape should be followed in all respects.



Proposed Landscape Plan

1 : 200



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SOFTWORKS



Existing Trees and vegetation to be retained and protected



Existing trees and vegetation to be removed



Proposed ornamental shrub planting

Nr	Name	Ht (cm)	Pot (L)	Density (p/m2)
74	Berberis candidula 'Amstelveen'	25 - 30	3L	7
115	Ceanothus thyrliflorus repens	30 - 40 (D)	3L	7
48	Cistus 'Silver Pink'	30 - 40	3L	7
129	Euonymous fortunei 'Emerald Gaiety'	20 - 30	3L	7
131	Hebe 'Autumn Glory'	20 - 30	3L	7
84	Hedra helix 'Green Ripple'	20 - 30	3L	7
47	Lavandula angustifolia 'Munstead'	30 - 40	3L	7
245	Mahonia aquifolium 'Apollo'	30 - 40	3L	7
156	Potentilla 'Abbotswood'	25 - 30	3L	7
68	Prunus Laurocerasus 'Otto Lyken'	30 - 40	3L	7
32	Skimmia Japonica 'Rubella'	30 - 40	3L	7
28	Spirea Japonica 'Goldflame'	30 - 40	3L	7
153	Viburnum davidii	20 - 30	3L	7