

GENERAL PLANTING SPECIFICATIONS:

Proposals to be read in conjunction with Architect's and Engineers Drawings;

- All landscape operations to be in accordance with BS4428: 1989 & BS 3936: 1992 and all amendments to date;
- Plant material to conform to the National Plant Specification;
- Any plant material planted outside the recognised planting season (Nov-Feb), to be containerised stock and supplied at the sizes specified;
- Plant handling and planting operations to be in accordance with HTA "Handling and Establishing Landscape Plants parts I - III;
- All planting to be maintained and guaranteed for 12 months under the defects and liability period and 5 years thereafter by the client to include watering, weeding, pest & disease control;
- The landscape sub-contractor is to take all safety precautions to prevent any injury to any persons. The landscape sub-contractor shall comply with the requirements of the Health and Safety at Work Act 1974 and current Construction, Design and Management Regulations; and
- The landscape sub-contractor shall confirm the location of all underground services before commencement of planting and report where trees/hedges are suggested within 3m of underground services and 5m of buildings.

SOIL AND MULCH

Soils should be certified to BS 3882:2015 (topsoil) and BS 8601:2013 (subsoil), but most importantly found via a soil scientists interpretive report and soil resource plan to be fit for the specific landscape function. Topsoil and subsoil will be of similar textural range and 'keyed in' at interface.

- Existing topsoil (if present and suitable) to be stripped and stored on site in heaps not exceeding 2m in height and kept weed free;
- Any compacted subsoil to be broken up to allow free drainage and to enable topsoil to key into surface;
- Any imported topsoil to be to BS3882, medium texture, neutral PH value, reasonably stone free with no stones over 20mm in size;
- Soil for meadow grassland to be composed of prepared sub-soil (nutrient poor);
- Topsoil depths to be 450mm for shrubs, hedges, climbers and groundcover planting;
- Finished topsoil levels to be 25mm above adjacent paved surfaces, and 300mm wide hard surfaced mowing margin to be provided where lawn adjoins buildings; and
- All planting areas to be covered with a 75mm depth of medium grade bark mulch.

PLANT MATERIAL TREATMENT

- All to be British grown stock and fully hardened off;
- Root Dip – Proprietary Root Dip applied to all bare root stock at time of lifting at nursery and prior to planting;
- Anti-Desiccant – Proprietary anti-desiccant to be applied to foliage of all containerised/rootballed material in leaf, specimen confiders and evergreens etc, prior to transportation and during any delay in planting;
- Pruning - Allow for pruning of all deciduous trees and shrubs by 1/3rd /following planting at Landscape Architect's direction or as indicated in the planting schedule;
- Tree Stakes and Ties – Stakes to be pressure treated, round, smooth and peeled Larch or Chestnut, not less than 100mm in diameter, Advanced nursery stock – double staked with cross bar.

SEEDING

- Grass seeding cultivation to be brought to a fine tilth and all stones over 25mm in all directions removed. Areas to be uniformly firmed.
- Apply approved herbicide to control perennial weeds and allow period of time to elapse as recommended by manufacturer before final cultivation,
- Grass seed to be sown at rates shown below and as per Emorsgate recommendations,
- Amenity Grass areas to be seeded with Emorsgate EG22 Wear Tolerant Turfgrass Mixture (or similar approved), sown at 25g/m;
- Seasonally wet areas to be seeded with Emorsgate EM8 Meadow Mixture for Wetlands (or similar approved), sown at 4g/m;
- Roll the seeded area with a ribbed crinkle or Cambridge roller upon completion;
- When grass is between 40–75mm high remove any remaining stones and debris exceeding 50mm in any dimension. Cut grass to approximately 50mm high for the first cut and 35mm thereafter; Wetland Meadow grass to be cut twice a year in March and October.
- Remove and dispose of all arisings.

EXISTING TREES AND SHRUBS

- Avoid damage to branches, trunks and roots of trees. All existing trees and hedges to be retained are subject to BS5837 (2005 and all amendments to date) 'Trees in relation to Construction – Recommendations', and should be fully fenced off, prior to the commencement of any works.
- Where existing trees and shrubs are to be retained they should be subject to a full Arboricultural inspection for safety;
- Any surgery required shall be in accordance with BS3998 (2010 and all amendments to date) 'Tree Work – Recommendations', shall comply with any existing T,P,O requirements and shall require the prior approval of the Landscape Architect;
- No storage of materials, disposal of rubbish, site fires, spillage of oil and chemicals, ground compaction, excavation or changes in level shall be carried out within existing tree/hedge canopies.

TREES

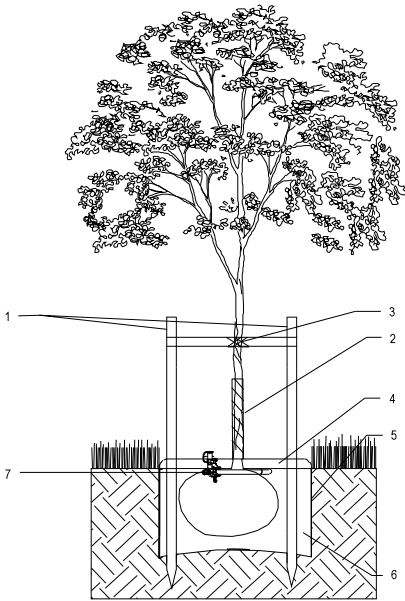
- No trees to be planted within 3 metres of sewers or services or other easement recommended by the relevant statutory undertaker without the use of tree root barriers e.g Greenleaf Reroot 600/100 placed between the tree and services;
- All trees shown to be planted ensuring that they are at least 5 metres away from buildings or distances conform with NHBC guidelines;
- Contractor to ascertain the location of all sewers and services prior to tree planting;
- Root barrier to be installed in planting pits in near proximity to underground services;
- Allow for the use of container grown stock during the periods 1 April to 31 October, and field grown stock from 1 November to 31 March unless otherwise specified in the planting schedule;
- Trees planted within grassed areas to be provided with appropriate conical strimmer guards;
- Heavy standard trees (12-14cm girth) to be planted in pits 1200 diameter x 900mm deep, supported by double stakes;
- All tree pits should be comprise of 300mm of topsoil over 600mm free draining subsoil to replicate normal ground conditions;
- Detailing of tree pit to include tree pit irrigation "Root rain precinct" or similar approved; "Green leaf root director; Where necessary increase tree pit dimensions to ensure that tree pits are at least 75mm deeper and 150mm wider than rootball. Break up bottom of pits to a depth of 150mm. Compacted glazed sides of pits should be roughened.

SHRUBS (ORNAMENTAL AND SPECIMEN)

- All shrubs to be planted in pits twice the size of the pot in depth and width and backfilled with a 50-50 topsoil and shrub planting mix.
- Shrubs in planting mixes are to be planted in same species groups between 3-5 plants per group.

PLUG PLANTING

- All plug plants to be planted with the aid of plug/bulb planter tool and evenly distributed according to planting densities specified. Plug holes should be carefully backfilled with a 50/50 aquatic loam soil mix and gently firmed around the base of the plant. Plants should be planted in same species groups between 3-5 species in each group.



TREE PIT DETAIL

1. 2x tanalised timber tree stakes 2400mm, 100mm Ø and crossbar (75x38x900mm) driven (minimum 300mm) into backfilled pit to provide support to the tree.

2. Spiral guard to be fitted to trunk to protect against animal browsing.

3. Use 2x Tree Ties GLB25A with GLPFA spacer sleeves or similar to secure tree to support post.

4. 75mm deep bark mulch layer to be spread evenly over a circular area 1000mm Ø around the tree to prevent weed growth and retain moisture.

5. Excavate tree pit to 1200mm diameter x 900mm deep. Break up base to a depth of 150mm (minimum), scarify edges. The tree should be planted at a depth where the root flare is still visible, just breaching the soil surface, following backfilling.

6. Backfill tree pit with subsoil (600mm) and topsoil (300mm) excavated from pit if this is regarded as of sufficient quality to promote the healthy establishment of the tree. If either the top soil or sub soil excavated from the pit is of poor quality, then soil ameliorants may be used sparingly or imported topsoil compliant with BS3882 should be used.

7. Watering/aeration tubes - 50mm Ø, black perforated land flex drainage pipe with suitable rubber/plastic bung. Place around top of root ball and nail to supporting stake, ensuring filler cap finishes slightly above mulch level.

Immediately after planting, water the tree, saturating the tree pit to field capacity. Between 50-200 litres of water should be applied per tree, as often as daily if required, to all semi mature tree stock. The quantity of water required is dependant on tree species, size, location and weather conditions, and should be judged in accordance with the core samples taken.

Planting Schedule

Trees				
Number	Species	Specification	Girth	Density
3	Betula pendula	Heavy Standard :Clear Stem min. 200 :7 brks :RB 12-14cm	Counted	
1	Prunus avium	Heavy Standard :Clear Stem min. 200 :7 brks :RB 12-14cm	Counted	
1	Sorbus aria	Heavy Standard :Clear Stem min. 200 :7 brks :RB 12-14cm	Counted	
1	Sorbus aucuparia	Heavy Standard :Clear Stem min. 200 :7 brks :RB 12-14cm	Counted	

Shrubs			
Number	Species	Specification	Density
2	Cornus sanguinea	Bushy :5 brks :C	Counted
2	Corylus avellana	Bushy :4/6 brks :RB	Counted

Attenuation Basin Margin Mix				
Number	Species	Specification	Density	Percentage Contribution
5	Geum rivale	Plug: Well Rooted	4/m²	6%
7	Iris pseudacorus	Plug: Well Rooted	4/m²	10%
7	Lobelia cardinalis	Plug: Well Rooted	4/m²	10%
7	Lychnis flos-cuculi	Plug: Well Rooted	4/m²	10%
7	Lysimachia punctata	Full Pot	4/m²	10%
7	Lythrum salicaria	Plug: Well Rooted	4/m²	8%
6	Mimulus ringens	Plug: Well Rooted	4/m²	7%
7	Persicaria bistorta	Full Pot	4/m²	8%
7	Primula bulleyana	Full Pot	4/m²	8%
6	Rodgersia pinnata	Full Pot	4/m²	7%
5	Rudbeckia fulgida sullivantii 'Goldsturm'	Full Pot	4/m²	6%
7	Rudbeckia laciniata	Full Pot	4/m²	10%
Total :78				

Rain Garden (Low plants) Mix				
Number	Species	Specification	Density	Percentage Contribution
11	Aster azureus	Full Pot	5/m²	30%
11	Erigeron karvinskianus	Full Pot	5/m²	30%
15	Hebe rakaiensis	Bushy :C	5/m²	40%
Total :37				

Rain Garden (Medium plants) Mix				
Number	Species	Specification	Density	Percentage Contribution
10	Aster novae-angliae	Full Pot	3/m²	30%
10	Echinacea pallida	Full Pot	3/m²	30%
7	Panicum virgatum	Full Pot	3/m²	20%
7	Rudbeckia fulgida sullivantii 'Goldsturm'	Full Pot	3/m²	20%
Total :34				



LAIRD BAILEY LANDSCAPE ARCHITECTS
t: 0330 043 4883
e: hello@lba.co.uk
Costwolds | Somerset | South Wales

Client:

cfw Architects

Project Title:

Ty Dysgu School, Merthyr

Drawing Title:

Soft Landscape Proposals
(Sheet 2 of 2)

Date: 23 August 2023
Drawing Number: LB398_D01
Scale:
Status: Final

Drawn By: DB
Checked by: AL
Revision: -
Use: Planning