## Planting Specification

Trees and shrubs planted shall comply with BS.3936 (Specification of Nursery Stock) and shall be planted in accordance with BS.4428 (General Landscape Operations) and BS8545:2014 ' Trees from nursery to dependence in the Landscape'. New trees to have a UK Plant Passport.

Avoid use of herbicide and pesticides in planting preparation and maintenance regimes.

Engineer to refer to soft landscape proposals when undertaking drainage and foundation design. Contractor to familiarize themselves with location of underground services using routing plans, CAT scans and onsite survey prior to planting and excavations.

Bare root and root-balled stock to be planted in the dormant season.
All planting stock to be clearly labelled on delivery with the full botanical name. Plant stock to be approved prior to delivery to site and planting and trees be set out by Landscape Architect. All topsoil to be of good quality AS-DUG in accordance with BS 3882.2015. Depths of topsoil (Turf -150mm), (Shrubs- 300mm), over free draining subsoil. Minimal topsoil coverage to be used on areas to be seeded and managed for wildflowers and wild-grasses. Use thin layer of topsoil only to provide initial seed bed if required.

Organic soil improvement compost to be dug into all planting areas and used at 1cubic m per 10m2. All planting beds to be mulched in 75mm depth medium grade bark mulch immediately after planting. Allow 50mm clearance of mulch around stem. Any imported soil, growing medium or compost shall be free of peat.

If very wet or very dry conditions are found in proposed planting areas the landscape architect shall review planting locations and/or species.

Tree Pits (Standard Trees)
Ensure tree pits are free draining prior to planting.

Tree Pit to be dug 400mm larger than rootball in any direction. Side and base of pit to be forked over to aid drainage help root establishment. Tree pit to be back-filled with a mix of:

- *1 part 'Melcourt topgrow' (or similar)* peat free, tree planting compost;
- Mycorrhizal Fungi; and
- 3 parts good quality, as dug sub and top soils to similar profiles as existing (Preferably use the excavated soil if of suitable quality and free draining) .

Minimum 1m2 area surrounding tree to be level (cut into bank on sloping ground). Medium grade bark mulch to be placed at the base of each trees to a depth of 75mm. Mulch to be maintained at size and depth for at least two growing seasons.

Tree Planting (Whips)
Plants to be spaced at 1.5m centres into min 300mm depth topsoil with free draining subsoil beneath. Whips to be randomly planted in areas shown on drawings. Group 3 or 5 of the same species together. Do not planting whips within 1m of proposed standard trees. 1no. 600 x 50mm Treebio Biodegradable Spiral Guard and cane to be used on Hawthorn, 1no. 600x 150mm Bio-Earth Biodegradable Plastic Free Shrub Shelter Guard and cane to be used for holly. 1no. 50x50cm Ecomatt Bio Weed Mat and pins to be used per plant. (Products by Greentech or similar). Guards and mats to be, inspected regularly and maintained for at least two growing seasons.

Tree Stakes
3no. stakes and 3no. hessian/ rubber ties system to be used on each tree.
Stakes to be 75mm diameter tanalised softwood, pointed at one end. Top of stake to be 600mm above ground level . Stakes to be driven firmly into ground, position stakes at time of planting. Stake to remain in place until trees have a strong upright form. If ties are adjusted regularly the stake can remain in place until it rots off.

Tree Irrigation
Monitor trees in growing season and provide water to ensure healthy establishment. Tree irrigation system (for example *'RootRain'* Urban by Green, Blue Urban) to be provided to all trees. Trees to be watered during the first three growing seasons. Watering to be based on weather and ground conditions. As a general guide, 75L of water to be provided to each tree every 2 weeks.

Alternatively use 75L Treegator Watering Bag by Green Tech to provide slow release of water to new planted trees. Ensure bags are regularly topped up with water, checking every two weeks. Also check bag is in good condition and not effecting tree health or tree growth. Use bags for at least 2 years, reposition or replace bag if required.

Any queries in relation to planting schedules, layout or planting stock to be raised with Landscape Architect.

Suitable tree root barriers to be used on boundaries with hard-standing, walling, services, proposed and existing buildings.

**Native Wildflower Meadow Existing Grassland**
Prepare areas for wildflower development, undertake an initial low cut in September of Year 1, with all cuttings removed from the site. Scarify ground, with all surface thatch removed from the site. No previous cuts to take place in that year prior to this cut.

From Year 2 onwards, manage meadows with minimal interference. No organic or inorganic fertilizers or herbicides will be used. Maintenance and monitoring works will consist of the following:

A single cut taken each September with the mower bar set no lower than 75mm. Cuttings will be left on the land for a few days before collection, to allow the seeds to drop, before being removed from the site.

If undesirable weed* or woody species are found to be establishing within the meadow areas, an ecologist should provide instruction as to what control/removal works (if any) should be undertaken to maintain the favourable status of the meadows. If any invasive non-native floral species are discovered, control measures will be implemented in accordance with the best practice guidance at the time. *Common ragwort, spear thistle, creeping thistle, broad-leaved dock, or curled dock.

## Planting Schedules

### Standard Tree Planting Schedule

| Name | Form | Age | Girth (cm) | Height (cm) | Clear stem (cm) | Root condition | Breaks | Nr of Trees |
|---|---|---|---|---|---|---|---|---|
| *Alnus glutinosa* | Standard (Selected) | 2x | 10-12 | 300-350 | 175-200 | RB | 4 | 4 |
| *Alnus incana* | Standard (Selected) | 2x | 10-12 | 300-350 | 175-200 | RB | 4 | 1 |
| *Betula pubescens* | Standard (Selected) | 2x | 10-12 | 300-350 | 175-200 | RB | 4 | 7 |
| *Betula utilis Jacquemontii 'Snow Queen'* | Standard (Selected) | 2x | 10-12 | 300-350 | 175-200 | RB | 4 | 1 |
| *Carpinus betulus Frans Fontaine* | Standard (extra heavy) | 3x | 12-14 | 300-350 | 175-200 | RB | 5 | 8 |
| *Liquidambar styraciflua* | Standard (Selected) | 2x | 10-12 | 300-350 | 175-200 | RB | 4 | 2 |
| *Pinus sylvestris* | Standard (Selected) | 2x | 10-12 | 300-350 | 175-200 | RB | 4 | 5 |
| *Quercus petraea* | Standard (Selected) | 2x | 10-12 | 300-350 | 175-200 | RB | 4 | 5 |
| Total | | | | | | | | 33 |

### Native Whip Planting

| Botanical Name | Common Name | Min No. Branches/ | Form | Height (cm) | No. |
|---|---|---|---|---|---|
| Crataegus monogyna | Hawthorn | 1 | Whip (BR) | 80-100 | 20 |
| Ilex aquifolium | Holly | 1 | Whip (BR) | 80-100 | 10 |

Project:
Ysgol ID Hooson.
(Project no: 121.01)

Drawing Title:
Planting Schedules and Outline Specification for Planting

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above zero
Landscape Design
Landscape Planning
Landscape Management
Public Realm & Green Space
Tel: 01829 759389 email: info@abovezero.co.uk web: www.abovezero.co.uk