PLANTING SCHEDULE

Native Trees

Species	Specification	Girth	Height
Acer campestre	Heavy Standard; 175cm Clear Stem, RB	12-14cm	3.0 - 3.5m
Betula pendula	Heavy Standard; 175cm Clear Stem, RB	12-14cm	3.0 - 3.5m
Carpinus betulus	Extra Heavy Standard; 200cm Clear Stem, RB	14-16cm	3.5 - 4.5m
Corylus avellana	Heavy Standard; 175cm Clear Stem, RB	12-14cm	3.5 - 4.5m
Sorbus aria	Heavy Standard; 175cm Clear Stem, RB	12-14cm	3.5 - 4.5m
Prunus avium	Heavy Standard; 175cm Clear Stem, RB	12-14cm	3.0 - 3.5m
Prunus cerasifera 'Nigra'	Extra Heavy Standard; 200cm Clear Stem, RB	14-16cm	3.5 - 4.5m

Groundcover Shrubs

Species	Specification	Height	Pot Size	Density
Lonicera Nitida Maigrun	Bushy; 3/4 Breaks	20-30cm	5L	4/m^2
lavandula angustifolia alba	Bushy; 3 Breaks	30-40cm	3L	5/m^2
Prunus laurocerasus 'Otto Luyken'	Bushy; 3/4 Breaks	20-30cm	3L	4/m^2
Hebe albicans 'Red Edge'	Bushy; 2/3 Breaks	10-20cm	3L	4/m^2
Vinca major 'Variegata'	Bushy; 2/3 Breaks	20-30cm	5L	6/m^2
Vinca minor 'Atropurpurea'	Bushy; 3/4 Breaks	20-30cm	5L	20/m^2
Ceanothus thyrsiflorus repens	C: Bushy; 3/4 Breaks	20-30cm	3L	4/m^2
Salvia viridis 'Claryssa Series'	C: Full Pot	40-50cm	3L	3/m^2
Species within shrub mixes to be planted in groups of 7, 9 or 11				

Grass Mixes

Type	Mix	Specification
Flowering Lawn Mix	Emorsgate EL1 Flowering Lawn Mixture	Sown at 40kg / ha
Native Wildflower Grass Mix	Emorsgate EM2 Standard General Purpose Meadow Mixture	Sown at 40kg / ha

Mixed Native Hedgerow

Species	Specification	Height	Density	Mix
Acer campestre	BR: Double Staggered Row	60-80cm	4/m^2	10%
Corylus avellana	BR: Double Staggered Row	60-80cm	4/m^2	10%
Crataegus monogyna	BR: Double Staggered Row	60-80cm	4/m^2	50%
Prunus spinosa	BR: Double Staggered Row	60-80cm	4/m^2	10%
Viburnum lantana	BR: Double Staggered Row	60-80cm	4/m^2	10%
Viburnum opulus	BR: Double Staggered Row	60-80cm	4/m^2	5%
Ligustrum vulgare	BR: Double Staggered Row	60-80cm	4/m^2	5%

Scale 1:500 @ A1

0m 5m 10m 20m 50m

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Revisions

Rev.	Date	Summary
A	10.08.23	Cycle Shelters reviewed
B	17.01.24	Updated to revised layout
C	23.01.24	Updated to team comments
D	23.01.24	Updated to new layout

Based on AJA Architects drawing no. 7205-013

Key

- Site Boundary
- Proposed Retaining Wall
- Existing Vegetation
- Proposed Ornamental Shrub (224m^2)
- Proposed Native Hedge (455m)
- Proposed Native Wildflower Mix (2440m^2)
- Proposed Flowering Lawn (916m^2)
- Proposed Trees (no. 83)

PLANTING NOTES
All plants to be supplied in accordance with the HTA 'National Plant Specification' and from a HTA certified nursery. All plants and trees to be planted in accordance with BS3936 and BS8545. Delivery and handling of all plant material to be in accordance with BS4428:2012/CP56 Code of Practice for Handling and Establishing Landscape Plants' Parts 1,3 and 10 and BS8545.
All plants to be supplied

All planting proposals including tree planting have been developed in order to create a high quality environment and achieve planning permission for the proposals.

All tree species have been reviewed in line with NHBC guidance 2017 and in the absence of any building foundation depths or detailed soil analysis information for the site. Where possible only low and moderate water demand species are proposed in close proximity to new buildings. A number of varied cultivars of these species as well as ornamental species that have a smaller overall mature height (which are not currently assessed within NHBC guidance 2017) are proposed to provide variety in the scheme and engineers should consider these locations & species. Where necessary new building foundation depths shall be designed to accommodate the approved tree species, site specific soil shrinkage and tree water demand in line with NHBC standards 2017 (Chapter 4.2 - Building Near Trees). Planting plans have been prepared for planning purposes only and in the absence of fully detailed ground investigations, geological or hydrological surveys and planting design or species choice may be subject to change - suitability should be confirmed on site by the landscape contractor. Detailed site specific soil analysis and suitable soil shrinkage should be checked by landscape contractor to ensure planting can be implemented in accordance with approved drawings prior to implementation.

Planting Pit and Trench Preparation
Tree pits in soft landscape to be excavated to 1m x 1m x 1m depth prior to topsoiling and all shrub planting areas excavated to 450mm depth. All proposed hedge planting trenches to be excavated to 600mm depth (Unless otherwise specified, all tree pits in hard landscape to be 2m x 2m x 1m, backfilled with compacted Urban Tree Soil, or similar.
The preparation of planting pits, beds or trenches shall comply with the appropriate British Standards, namely BS4043, BS4428, BS3936 and BS8545.
Excavated material from the planting operations may be used for general site levelling purposes, subject to the approval of the Contract Administrator. Any surplus material from the cut and excavated areas to be backfilled with either vine worn topsoil or imported topsoil to the BS3882:General purpose grade. All topsoiled areas to be clear of rocks and cobble larger than 50mm diameter and any other debris that may interfere with the establishment of plants. The Contractor shall break up and cultivate all the base of the trenches or planting pits. The sides of the trenches or planting pits shall be scarpered and a tilth in other similar implement. All stones and the like over 75mm in any dimension, deleterious matter, weeds and weed roots brought to the surface by any cultivation or excavation shall be removed off site. The Contractor shall remove off site the excavated material and shall be responsible for the disposal of all surplus material in accordance with the Waste Management Regulations.
All trees must be supplied root balled, unless otherwise stated. Root balled trees shall be well grown, healthy and with a compact, contained rootball. They shall be nursery grown and have been regularly watered. Prior to planting, all plant material shall be stored and rucked at in accordance with best practice.

Planting
All plants shall be planted in a random fashion avoiding formal regimented lines at densities indicated in the schedule, unless otherwise specified. Unless otherwise specified, all hedgerows shall be planted in a double staggered rows. The selection, procurement, handling, storage and planting operations of all proposed trees shall be in accordance with BS8545:2014 - Trees: from nursery to independence in the landscape.
Planting and associated operations shall comply with BS3936, BS4428, BS8545 and BS5837. Unless otherwise stated planting shall be carried out during the period of 1 Nov to 31 March when the ground is not frozen or water logged. If planting is required outside this period agreement shall be sought and all bare root plants shall be substituted with container grown stock.

Watering
All plants shall be watered in to field capacity immediately after planting and mulched with 50mm depth of medium grade crushed mulch. The Contractor shall water the trees, shrubs and hedges once planted so that the entire tree pit or planted area is monitored to field capacity, i.e. The amount of water retained by previously saturated soil once full drainage has ceased". Watering to field capacity shall continue frequently and on a regular basis as considered necessary by the landscape contractor and as necessary to ensure the successful establishment and continued growth of all planting. Additional watering shall be undertaken during summer months and/or periods of drought as necessary. Post planting management and maintenance specifically for new tree planting shall include ongoing irrigation and formative pruning as outlined in BS8545. The period over which regular irrigation required for transplanted trees is likely to be at least two full growing seasons to ensure successful establishment. As the root system develops the frequency of irrigation can be reduced.

Staking
All trees within soft landscape areas to be double staked with cross bar and tied, using 1.5m long, 75mm diameter rounded tree stakes.75mm brace, rubber tie and square block. Stakes not to extend more than 600mm above ground level. All trees within hardstanding / highways visibility splays to have a 2m clear stem to unless otherwise specified. Trees within hardstanding, located in specific pits, to be underground guyed unless specified.

Spiral Guards
Black Treetec spiral guards (or similar) to be applied to new trees and native shrub planting. Guards to be located at base of trunk and secured with bamboo stake, or as per manufacturer specification.

Protection of Existing Vegetation to be Retained
Existing trees to be retained shall be protected in accordance with BS5837. Non-commencement to completion of all works on site. The tree protection will be in accordance with the submitted Tree Protection Plan / Arboricultural Method Statement.

Link 56, Deeside Planning Plan

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ES LANDSCAPE PLANNING
Part of the ES Group

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Date: Aug 2023 Drawn: SA Checked: AM