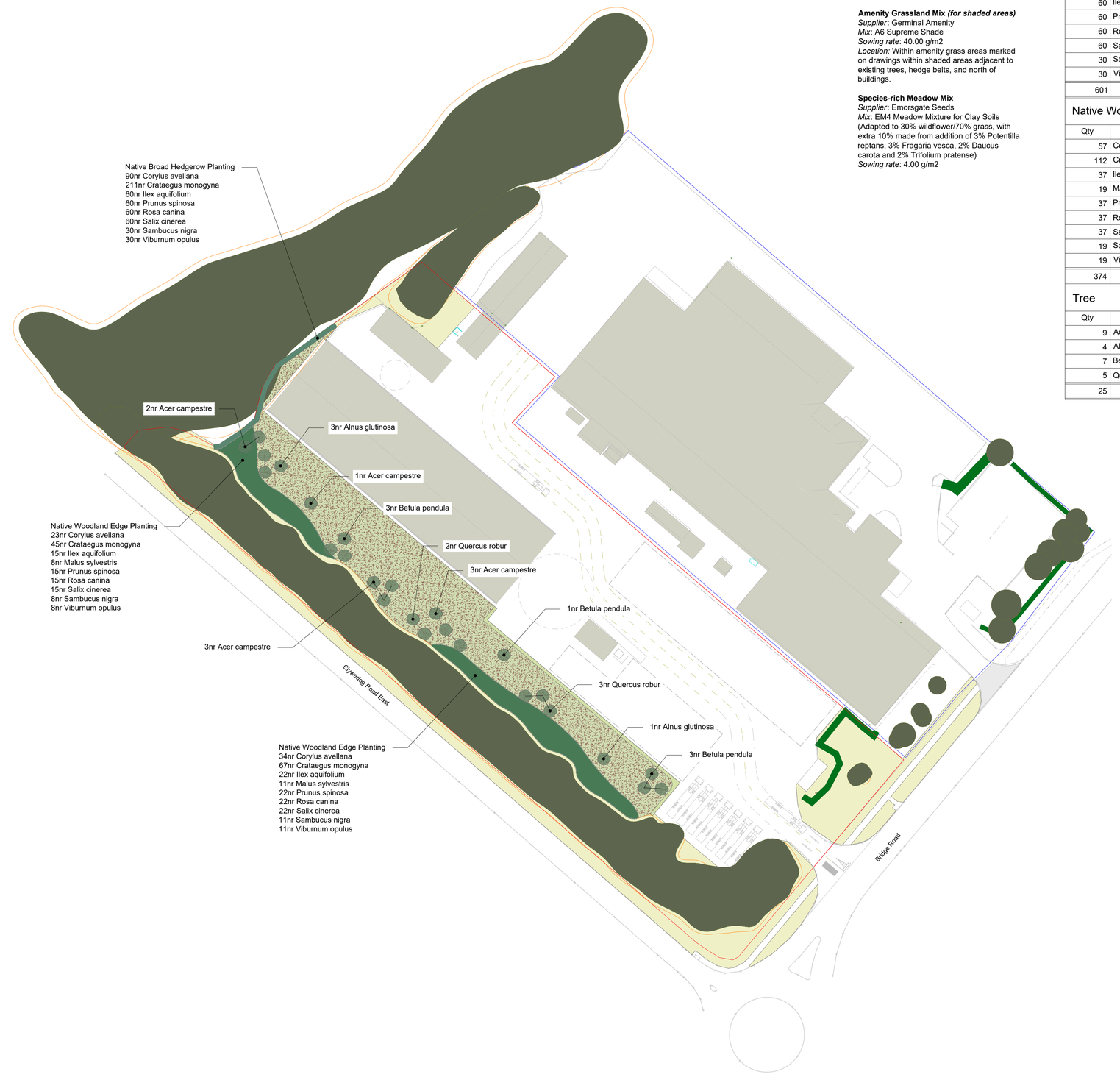
Overall Plan - Scale 1:750



Proposed Seed Mixes:

Amenity Grassland Mix

Supplier: Germinal Amenity
Mix: WFG20 Eco Species Rich Lawn
Sowing rate: 10.00 g/m2
Location: Within amenity grassland areas marked on drawings.

Amenity Grassland Mix *(for shaded areas)*
Supplier: Germinal Amenity
Mix: A6 Supreme Shade
Sowing rate: 40.00 g/m2
Location: Within amenity grass areas marked on drawings within shaded areas adjacent to existing trees, hedge belts, and north of buildings.

Species-rich Meadow Mix
Supplier: Emorsgate Seeds
Mix: EM4 Meadow Mixture for Clay Soils (Adapted to 30% wildflower/70% grass, with extra 10% made from addition of 3% Potentilla reptans, 3% Fragaria vesca, 2% Daucus carota and 2% Trifolium pratense)
Sowing rate: 4.00 g/m2

Plant Schedules

Native Broad Hedgerow Planting

Qty	Name	Age	Height	Form	Girth	ClrStm	Brks	Root	Cntr	Centres	Mix%
90	Corylus avellana	1/2	60-80cm	Transplant			3	B		0.200	15.00 %
211	Crataegus monogyna	1/1	60-80cm	Transplant				B		0.200	35.00 %
60	Ilex aquifolium		60-80cm					C	3L	0.200	10.00 %
60	Prunus spinosa	1/1	60-80cm	Transplant			2	B		0.200	10.00 %
60	Rosa canina	1/1	60-80cm	Transplant			3	B		0.200	10.00 %
60	Salix cinerea	0/1	60-80cm	Cutting			2	B		0.200	10.00 %
30	Sambucus nigra	1/1	60-80cm	Transplant			3	B		0.200	5.00 %
30	Viburnum opulus	1/2	60-80cm	Transplant			3	B		0.200	5.00 %
601											

Native Woodland Edge Planting

Qty	Name	Age	Height	Form	Girth	ClrStm	Brks	Root	Cntr	Centres	Mix%
57	Corylus avellana	1/2	60-80cm	Transplant			3	B		1.500	15.00 %
112	Crataegus monogyna	1/1	60-80cm	Transplant				B		1.500	30.00 %
37	Ilex aquifolium		60-80cm					C	3L	1.500	10.00 %
19	Malus sylvestris	1/1	60-80cm	Transplant				B		1.500	5.00 %
37	Prunus spinosa	1/1	60-80cm	Transplant			2	B		1.500	10.00 %
37	Rosa canina	1/1	60-80cm	Transplant			3	B		1.500	10.00 %
37	Salix cinerea	0/1	60-80cm	Cutting			2	B		1.500	10.00 %
19	Sambucus nigra	1/1	60-80cm	Transplant			3	B		1.500	5.00 %
19	Viburnum opulus	1/2	60-80cm	Transplant			3	B		1.500	5.00 %
374											

Tree

Qty	Name	Age	Height	Form	Girth	ClrStm	Brks	Root	Cntr	Centres	Mix%
9	Acer campestre	3x	400-450cm		16-18cm	min 200cm	5	RB			
4	Alnus glutinosa	3x	425-600cm	Standard (Extra Heavy)	16-18cm	min 200cm		RB			
7	Betula pendula	3x	400-450cm	Standard (Extra Heavy)	16-18cm	min 200cm		RB			
5	Quercus robur	3x	400-450cm	Standard (Extra Heavy)	16-18cm	min 200cm		RB			
25											

Notes:

General: Planting to be set out on site to work around existing retained vegetation. The position of trees remains flexible (eg. within a couple of metres of proposed position) to avoid utilities/drainage locations on site.

Workmanship: Planting and seeding (including associated ground preparation) works shall be in accordance with the specification and the following British Standards:
a) General soft landscape operations: BS 4428
b) Trees in relation to construction: BS 5837
c) Nursery stock: BS 3936
d) Workmanship generally: BS 8000

Earthworks: All earthworks to be undertaken in accordance with BS3882, BS8601 and the specification. Soil management, handling and placement shall be undertaken in accordance with 'Code of Practice for the Sustainable use of Soils on Construction Sites' (Defra, 2011). No excavation works to be undertaken within root protection areas. Levels shall be to the engineers details.

Ground preparation: Application of an appropriate herbicide to all planting and seeding areas (to manufacturer's recommendations). Ground shall be ripped to 450mm min depth with appropriate machinery to relieve compaction. The planting/seeding surface shall be cultivated to 250mm depth, and the top 50mm of all soil reduced to a fine tilth suitable for final shaping with a grading blade (particle size 10mm and below). All undesirable material brought to the surface, including stones larger than 50mm in any dimension, roots, tufts of grass and foreign matter shall be removed off site.

Woodland edge: Woodland edge to be planted at 1.5m centres in single species groups of 10-25nr.

Broad hedgerows: Native broad hedgerows to be planted at 10nr per lin/m in two double staggered rows (ie. 4 rows) in single species groups of 5-20nr.

Weed suppression: All beds to have 75mm layer of bark mulch. Trees in grass to be planted in a 1200mm diameter ring of bark mulch (75mm depth).

Staking generally: All trees to include short double timber stakes.

Rabbit protection: All species within the native hedgerow mix (excl. Ilex aquifolium) to be planted with 600x73-105mm Tubex standard tree shelter guards as per the specification.

Tree irrigation: All trees to be planted with irrigation points as per the specification.

Root barriers: Root barriers to be installed along underground service to protect from trees planted within 3m.

Root protection No cultivation should be undertaken within root protection areas of retained trees.

Seeding: All seed mixes shall be sown in the periods March to May or August to October, in appropriate weather/ground conditions. The seeding method shall suit the soil type, location and weather conditions during and after sowing to ensure good seed contact with the soil. Seed distribution shall be 2 equal sowings at right angles to each other and diagonally to main axis.

Species-rich seeding: Where ground is reprofiled, areas to be seeded on a subsoil substrate, or low fertility topsoil. Where grassland does not require disturbance in areas marked for species-rich meadow, pockets within the existing grassland shall be scarified and overseeded with a 100% wildflower version of the proposed Species-rich Meadow Mix (Emorsgate EM4 Mix at 2g/m2). Some areas shall be retained as bare ground habitat for Grizzled Skipper butterfly (listed on Section 7 of the Environment (Wales) Act 2016).

Key

Existing features
- Trees/Vegetation
- Hedgerows
- Grassland

Proposed features
- Tree planting
- Woodland edge planting
- Native broad hedgerow planting
- Shade tolerant species-rich meadow grassland
- Wildflower enriched amenity grassland

Reproduced by permission of Ordnance Survey on behalf of Her Majesty's Stationery Office.
© Crown Copyright and database right 2024. All rights reserved.

Rev	Description	Drawn	Approved	Date

TEP | THE ENVIRONMENT PARTNERSHIP
401 Faraday Street, Birchwood Park, Warrington WA3 6GA
Tel 01925 844004 e-mail tep@tep.uk.com www.tep.uk.com

Project
Hydro Aluminum Deeside

Title
Detailed Planting Plan

Drawing Number
D9871.101

Scale	Date
1:750 @ A1	10/06/2024

Drawn	Checked	Approved
AL	RJC	RJC