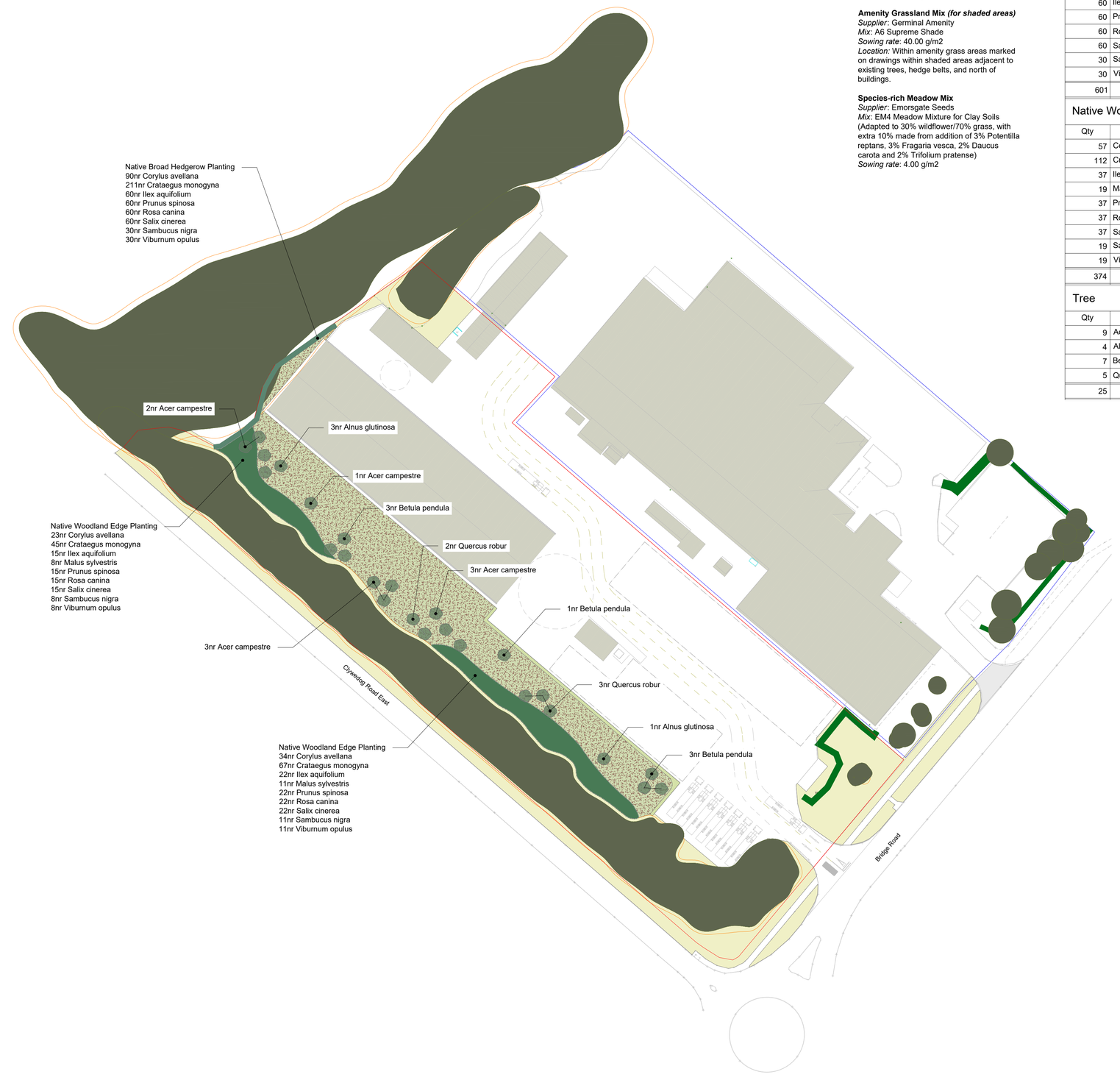
**Overall Plan - Scale 1:750**




**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

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| Rev | Description | Drawn | Approved | Date |
|---|---|---|---|---|

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Project
Hydro Aluminum Deeside

Title
Detailed Planting Plan

Drawing Number
D9871.101

DRAFT 1

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

| Drawn | Checked | Approved |
|---|---|---|
| AL | RJC | RJC |