



KEY



OPEN COAL MOSAIC
30% gravels / 70% existing substrate + seed bank
Successional environment where species self-sow and colonise.

These areas are to be left to colonise as a mosaic of flower rich perennials & grassland. Based on ecology reports species are likely to include:

Coal spoil substrate:
Filago minima (Small cudweed)
Euphrasia arctica ssp borealis (Eye bright)
Festuca ovina (Sheep's fescue),
Tussilago fulfara (Coltsfoot)

Calcareous substrate:
Helianthemum nummularium (Common rock-rose)
Carlina vulgaris (Carline thistle)
Thymus polytrichus (Wild thyme),
Scabiosa columbaria (Small scabious),
Briza media (Quaking-grass)

DRY ACID GRASSLAND
Britishflora - BFS 2
Sowing Rate: 5g/m2

Including 80% Grasses:

Agrostis capillaris (Common bent) (5%)
Anthoxanthum odoratum (Sweet vernal grass) (5%)
Cynosurus cristatus (Crested dog's-tail) (40%)
Deschampsia flexuosa (Wavy hair grass) (5%)
Festuca ovina (Sheep's fescue) (45%)

20% Wildflowers:

Centaurea nigra (Black knapweed) (15%)
Galium verum (Lady's bedstraw) (15%)
Hieracium pilosella (Mouseear hawkweed) (10%)
Hypochaeris radicata (Common cat's-ear) (10%)
Lotus corniculatus (Common bird's-foot trefoil) (10%)
Prunella vulgaris (Selfheal) (20%)
Rumex acetosella (Sheep's sorrel) (20%)

GREEN SLOPE SYSTEM
Horticultural soil layer:
Medium loam with a workable 'crumb-like' consistency

Grass cover:
Species may include but not limited to:
Creeping Red Fescue (Festuca rubra) (75%)
Smooth Stalked Meadow Grass (Poa pratensis) (25%)
Mix to include wildflowers / diversified at next design stage. Subject to slope system detailed design.

CLIMBERS
Planted in-ground.
Species may include but not limited to:
Hedera helix (Common ivy) (100%)

HABITAT ENHANCEMENTS
Re-used materials from clearance works and washeries to create:
Brush piles / Hibernacula
Sleeper piles

HABITAT BOXES
Refer to ecologists recommendations

RAIN GARDEN
Shallow areas tolerant of drought and temporary inundation, collect and attenuate surface water run-off. Lined with coal substrates

7no. plants/m2, 2L pots

Species may include but not limited to:
Phragmites australis (common reed) (50%)
Carex nigra (Common sedge) (10%)
Juncus effusus (Common rush) (10%)
Deschampsia cespitosa (Tufted hair grass) (10%)
Iris pseudacorus (Yellow flag iris) (10%)
Mentha pulegium (Pennyroyal) (10%)

WET MEADOW FLORA
Wet meadow seed mix by Scotia Seeds or similar approved. Sowing Rate: 5g/m2

Cirsium dissectum (Meadow Thistle) (5%)
Epipactis palustris (Marsh helleborine) (5%)
Leucanthemum vulgare (Ox-eye daisy) (10%)
Loglia minima (Small Cudweed) (5%)
Deschampsia cespitosa (Tufted hair grass) (5%)
Lythrum salicaria (Purple loosestrife) (5%)
Prunella vulgaris (Selfheal) (2.5%)
Leontodon autumnalis (Autumn hawkbit) (5%)
Ophrys apifera (Bee Orchid) (5%)
Centaurea nigra (Common knapweed) (5%)
Rumex acetosa (Common sorrel) (2.5%)
Ranunculus acris (Meadow buttercup) (5%)
Geranium pratense (Meadow cranesbill) (5%)
Lychnis flos-cuculi (Ragged robin) (5%)
Mentha pulegium (Pennyroyal) (15%)
Carex flacca (Glaucous sedge) (2.5%)
Carex disticha (Brown Sedge) (2.5%)
Juncus inflexus (Hard rush) (2.5%)
Juncus articulatus (Jointed rush) (2.5%)
Juncus effusus (Soft rush) (2.5%)
Samolus valerandi (Brookweed) (2.5%)

MARGINAL
Species tolerant of fluctuating water levels and duration
5no. plants/m2, 2L pots

Phragmites australis (common reed) (40%)
Iris pseudacorus (Yellow Iris) (20%)
Persicaria amphibia (amphibious bistort) (20%)
Carex disticha (Brown Sedge) (20%)

AQUATIC
Aquatic species requiring shallow (less than 0.5m) standing water at all times. Allow for translocation of species from re-directed watercourses on east side of scheme
Species may include but not limited to:
Sparganium erectum (branched bur-reed) (20%)
Sparganium angustifolium (Floating Bur-reed) (15%)
Glyceria fluitans (fote-grass) (15%)
Typha latifolia (reed mace) (30%)
Myriophyllum alterniflorum (Alternate Water-milfoil) (10%)
Zannichellia palustris (Horned Pondweed) (10%)

RETAINED TREES / SCRUB
20% of existing scrub cleared to provide open wooded structure and allow light to undergrowth. Removals to be determined on-site with Landscape Architect. New trees to be planted to diversify and create native woodland with higher habitat value

Species include: Crataegus monogynaPopulus alba, Betula pubescens, Sorbus aucuparia, Salix caprea, Pinus sylvestris.

PROPOSED TREES
Species include but not limited to the following:
Alnus glutinosa (Rain gardens / marginal)
Betula pubescens (Rain gardens / marginal / wooded edge)
Salix alba (Rain gardens / marginal)
Populus alba (Open mosaic / upland)
Populus tremula (Open mosaic / upland)

WOODLAND UNDERSTORY
Woodland Floor, with herbaceous plants and bulbs to attract bees, butterflies and other insects.
Species may include but not limited to:
Lamium purpureum, Pulmonaria, Helleborus foetidus, Hedera helix, Lonicera periclymenum, Sarcococca, Cornus sanguinea
Anemone nemorosa, Galanthus nivalis, Primula vulgaris
Hyacinthoides non-scripta

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Do not scale from this drawing. Any discrepancies or queries should be brought to the attention of the authors. Dimensions are to be verified on site prior to construction.

To be read in conjunction with all relevant Architects', Services and Structural Engineers' drawings.

All existing site, tree and building information has been compiled from different sources.

Refer to current revisions of all referenced files.

Notes:

- Refer to Architect's and Engineers drawings for earthworks, hard landscape, lighting, levels and drainage information.

KEY

Application Boundary

Rev	Date	Description
P01	15.12.2023	Planning
P02	26.03.2024	Planning

Client

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Client

GCRE

Project

OW181 GCRE_Onllwyn Road Bridge

Drawing Title

Proposed Soft Landscape Plan

Drawing Status

Planning

Date

26.03.2024

Drawing Number

OW181-JCLA-DR-L-0001

Scale

1:250 @ A1

Revision

P02