

Key. Planting mix's:

- OPEN MOSAIC HABITAT**
AREA: 1280m²
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:
Pilago minima (Small cudweed), Euphrasia arctica ssp borealis (Fly bur-reed), Festuca ovina (Sheep's fescue), Tussilago fulfara (Coltsfoot)

Calcerous substrate:
Helianthemum nummularium (Common rock-rose), Carlina vulgaris (Carlina thistle), Thymus polytrichus (Wild thyme), Scabiosa columbaria (Small scabious), Briza media (Quaking-grass)
- LOWLAND DRY ACID GRASSLAND AREA**
AREA: 1780m²
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) (12%)
Galium verum (Lady's bedstraw) (10%)
Hieracium pilosella (Mouse ear hawkweed) (2%)
Hypochaeris radicata (Common cat's-ear) (4%)
Lotus corniculatus (Common bird's-foot trefoil) (10%)
Prunella vulgaris (Selfheal) (15%)
Rumex acetosella (Sheep's sorrel) (9%)
- GRASSLAND TERRACE (DRY)**
AREA: 950m²
Dry grasses & perennials
7no. plants/m², 2L pots

Achillea millefolium (Yarrow) (10%)
Centaurea nigra (Knapweed) (Winter seedheads for birds) (10%)
Prunella vulgaris (Heal all) (10%)
Digitalis purpurea (Foxglove) (5%)
Festuca ovina (10%)
Carex panicea (10%)
Luzula campestris (15%)
Deschampsia cespitosa 'Goldtau' (15%)
Molinia caerulea (15%)
- WET MEADOW FLORA**
AREA: 2000m²
Wet meadow seed mix by Scotia Seeds or similar approved
Sowing Rate: 5g/m²

Cirsium dissectum* (Meadow Thistle) (10%)
Epipactis palustris* (Marsh helleborine) (10%)
Leucanthemum vulgare (Ox-eye daisy) (10%)
Deschampsia cespitosa (Tufted hair grass) (10%)
Lythrum salicaria (Purple loosestrife) (10%)
Prunella vulgaris (Selfheal) (10%)
Leontodon autumnalis (Autumn hawkbit) (10%)
Centaurea nigra (Common knapweed) (10%)
Rumex acetosa (Common sorrel) (10%)
Ranunculus acris (Meadow buttercup) (10%)
Geranium pratense (Meadow cranesbill) (10%)
Lychnis flos-cuculi (Ragged robin) (10%)
Carex flacca (Glaucous sedge) (10%)
Juncus inflexus (Hard rush) (10%)
Juncus articulatus (Jointed rush) (10%)
Juncus effusus (Soft rush) (10%)

MARGINAL
AREA: 325m²
Species tolerant of fluctuating water levels and duration

5no. plants/m², 2L pots

Phragmites australis (common reed) (40%)
Iris pseudacorus (Yellow Iris) (30%)
Persicaria amphibia (amphibious bistort) (30%)

AQUATIC
AREA: 140m²
Species requiring shallow (less than 0.5m) standing water at all times.

5no. plants/m², 2L pots

Sparganium erectum (branched bur-reed) (40%)
Glyceria fluitans (flote-grass) (30%)
Typha latifolia (reed mace) (30%)

SUBMERGED (POND)
AREA: 20m
Species requiring moderate to deep standing water (more than 0.5m) at all times.

5no. plants/m², 2L pots

Scheuchzeria palustris (common club-rush) (40%)
Myriophyllum spicatum (spiked water-milfoil) (30%)
Potamogeton polygonifolius (Bog Pondweed) (15%)
Potamogeton crispus (Curled Pondweed) (15%)

CHANNEL VEGETATION
AREA: 120m²
5no. plants/m², 2L pots

Channel vegetation (Submergent):
Typha latifolia (Bulrush) (10%)
Equisetum fluviatile* (Water horsetail) (5%)
Samolus valerandi* (Brookweed) (translocated & protected) (5%)
Myriophyllum alterniflorum* (Alternate Water - milfoil) (10%)
Mentha aquatica (Water mint) (10%)

Sedges & Rushes
Juncus articulatus (Jointed rush) (10%)
Carex nigra (Common sedge) (10%)
Carex echinata (Star sedge) (10%)
Carex remota (Remote sedge) (10%)
C. demissa (Common yellow sedge) (10%)
Juncus effusus (Common rush) (10%)

***ES notable species**

HABITAT ENHANCEMENTS
Include materials from phase 1A clearance works to create:

Brush piles
Sleeper piles
Boulders & stone piles

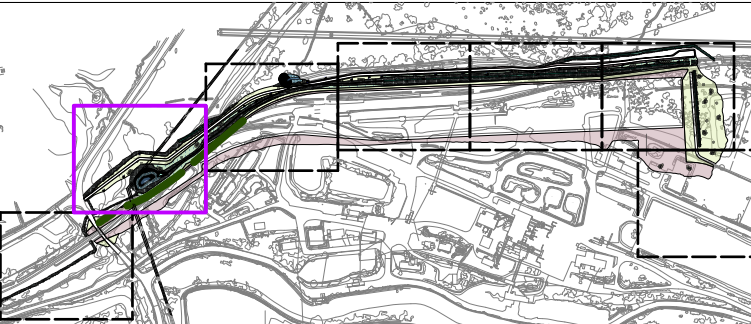
NOTE: Rhizome cuttings of reed mace, common reed and bur-reed should be used for the establishment of the marginal, aquatic and submerged species. Recommended that cuttings are taking from removed / existing SINC species where possible.

TREES (REFER TO TABLE)

CLIMBER MIX (height 1.5m)
3no plants per 11m m
Climbing hydrangea (20%)
Hedera helix (20%)
Lonicera periclymenum (20%)
Clematis vitalba (20%)
Lathyrus latifolius (20%)

FENCE LINE
Refer to Architects / Engineers information

Tree no.	Species	Proposed size	Quantity
Trees			
T1	Alnus glutinosa (Multi-stem)	1.5m H	2
T2	Betula pubescens (Multi-stem)	1.5m H	1
T3	Betula pendula (Multi-stem)	1.5m H	2
T4	Alnus incana (Standard)	12-14cm girth	1
T5	Populus tremula (Standard)	12-14cm girth	0
T6	Quercus petraea (Standard)	12-14cm girth	1
T7	Salix alba (Standard)	12-14cm girth	3
T8	Pinus nigra (Standard)	12-14cm girth	2
Whips			
T9	Alnus glutinosa (Feathered whip)	60-90cm	3
T10	Populus tremula (Feathered whip)	60-90cm	3
T11	Populus alba (Bareroot / whip)	60-90cm	2
T12	Salix caprea (Bareroot / whip)	60-90cm	2



Key Plan 1:10000

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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 referenced 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 ecologists information for Phase1A SINC & Receptor area mitigation measures and enhancements.
- To be read in conjunction with Soft Landscape Maintenance plan: OW181.Doc2.MP
- To be read in conjunction with Planting schedule: OW181.Doc1.PS
- To be read in conjunction with Soft landscape specification: OW181.Doc3.LS
- Refer to Engineers drawings for earthworks, hard landscape, levels and drainage information.

Key:

- Application Boundary
- PHASE 1A Boundary

Rev	Date	Description
P01	22.12.2022	FOR PLANNING

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Client
GCRC

Project
OW181 GCRC Phase 1A

Drawing Title
Proposed Planting Plan: Area 06

Drawing Status
FOR PLANNING

Date
22.12.2022

Scale
1:250 @ A1

Drawing Number
OW181.P.06.PP

Revision
P01

REFER TO OW181.P.05.PP

REFER TO OW181.P.07.PP