

**Legend**

- Site Boundary
- Proposed Native flowering lawn (mown and long) EL1 Flowering Lawn Mixture 4g/m<sup>2</sup>
- Proposed Native Tussock meadow EM10 Tussock Wild Flower Mixture 5g/m<sup>2</sup>
- Proposed Native Wildflower Meadow EM5 Wild Flowers mixture for Loamy Soils 4g/m<sup>2</sup>
- Proposed Native Wet Meadow EL8 Meadow Mixture for Wetlands 4g/m<sup>2</sup>
- Proposed Native Marginal and Aquatic Planting Marginal planting to edges with Aquatic plug planting to water
- Proposed Ornamental Planting Refer to Schedule
- Proposed Native mixed species hedgerow Quadruple staggered row (2.5m wide) Refer to Schedule
- Proposed Gravel & Sand Habitat area Bird nesting habitat mix of sand, gravel and shingle
- Agricultural Land Refer to Site Plan for full extents
- Water Vole Ditches Marginal planting to shelf and aquatic planting to water body. Refer to schedule
- Proposed Trees Mix of sizes and species - refer to schedule
- Existing Trees and woodland Canopy Within and on/in close proximity to site boundary
- Existing Trees and woodland Tree root protection zone Within and on/in close proximity to site boundary
- Maintenance Access 1:3 Slope access to cross water vole ditches

**Site Maintenance**

- General tasks
1. Maintenance visits to be made fortnightly during the growing season and as necessary thereafter.
  2. Keep all beds clear of weeds by hand cultivation. Do not use herbicides within planting beds.
  3. Keep all beds clear of litter and rubbish.
  4. Ensure plants have adequate supply of water.
  5. Ensure all trees & shrubs are checked for wind damage including staking requirements.
- Remove all arisings from site and do not fertilise

- Flowering Lawns:** Mow all amenity grassland area regularly between March and October at regular intervals to maintain a length of grass to maximum height of 20mm. Remove arisings.
- Soakaways:** Cut areas of rough grass in autumn and spring and remove arisings from site leaving arisings in situ for filters prior to removing & subject to weather conditions. Maintain edges to rough grass areas and paths as amenity grass.

- Soakaways:** Ground preparation, sowing and maintenance in accordance with suppliers recommendations based on test results of subsoil/soil to be used.
- Proposed Ornamental Grasses and Perennials Planting:** Leave ornamental grasses and perennials standing through winter for the visual interest of the stems and cut all of the foliage from the plants (except evergreens identified in schedule) in early spring as grasses start regenerating and after the threat of heavy frosts/snow.
- A single cut in March will ensure there are not long periods without greenery or winter structure. This can be done down to 2 to 3 inches above the ground by stemming and raking and collecting the cuttings. Make sure these tools are sharp and try to minimise trafficking. Cutting this area in spring allows the remaining stems & leaves to provide winter interest. Remove all arisings from site and do not fertilise to encourage sturdy plants without requiring supports.

- Proposed Hedge Planting:** Prune at least once a year to maintain desired shape. Timing and frequency depends on species and appearance required.
- Large Shrubs:** Prune in late winter or early spring. No routine pruning necessary. Remove diseased, damaged, congested or crossing shoots. Shoots that are growing in unwanted directions can also be pruned out.

- Tree Planting:** Water as required, the mulch, fertilize and prune, removing any dead or damaged wood.

- Topsoil Requirements:** Ornamental grasses & perennials require a minimum of 300mm topsoil to BS3882:2015.
- All topsoil to meet the requirements of BS3882:2015. All aspects of the standard must be complied with, including soil handling and storage.

**Street Tree (To road edge)**

Name	Clear Stem Min 150cm	Girth (cm)	Height (cm)	Root Type
Carpinus betulus 'Frans Fontaine'		20-25	450-550	RB

**Trees - Greenspace and Habitat (30% Trees illustrated outwith roads)**

Name	Multi Stem	Girth (cm)	Height (cm)	Root Type
Acer campestre			300-350	RB
Alnus glutinosa			300-350	RB
Betula pubescens			300-350	RB
Malus sylvestris			300-350	RB
Sorbus aucuparia			300-350	RB
Prunus padus	Clear Stem	12-14	350-425	RB
Tilia cordata	Clear Stem	12-14	350-425	RB
Betula pendula	Clear Stem	18-20	450-500	RB
Populus nigra	Clear Stem	20-25	500-550	RB
Quercus robur	Clear Stem	25-30	500-600	RB

**Whips (70% Trees illustrated outwith roads)**

Name	Height (cm)	Root Type
Alnus glutinosa	125-150	B
Betula pendula	125-150	B
Betula pubescens	125-150	B
Crataegus monogyna	125-150	B
Malus sylvestris	125-150	B
Prunus padus	125-150	B
Frangula alnus	125-150	B
Salix alba	125-150	B
Salix caprea	125-150	B
Sorbus aria	125-150	B
Sorbus aucuparia	125-150	B
Viburnum opulus	125-150	B

**Native Hedge**

Name	Form	Height (cm)	Root Type	Density (M - Quadruple staggered row)
Acer campestre	Transplant - seed raised	60-80	B	12
Alnus glutinosa	Transplant - seed raised	60-80	B	12
Cornus sanguinea	Transplant - seed raised	60-80	B	12
Crataegus laevigata	Transplant - seed raised	60-80	B	12
Crataegus monogyna	Transplant - seed raised	60-80	B	12
Frangula alnus	Transplant - seed raised	60-80	B	12
Sambucus nigra	Transplant - seed raised	60-80	B	12
Viburnum lantana	Transplant - seed raised	60-80	B	12

**Aquatic and Marginal**

Name	Form	Density (m <sup>2</sup> )
<b>Marginal</b>		
Carex acutiformis	Plug/Coir matt	6
Carex pseudocyperus	Plug/Coir matt	6
Glyceria maxima	Plug/Coir matt	6
Iris pseudacorus	Plug/Coir matt	6
Menziesia aquatica	Plug/Coir matt	6
Juncus inflexus	Plug/Coir matt	6
Juncus effusus	Plug/Coir matt	6
Schoenoplectus lacustris	Plug/Coir matt	6
Phalaris arundinacea	Plug/Coir matt	6
<b>Aquatic</b>		
Myriophyllum spicatum	Plug	500c min. 6
Alisma plantago-aquatica	Plug	500c min. 6
Potamogeton natans	Plug	500c min. 6
Ranunculus aquatilis	Plug	500c min. 6

**Ornamental Mix**

Name	Container Size	Density
Anemone x hybrida 'Honorine Jobert'	2L	9
Calamagrostis x aquiflora 'Karl Foerster'	2L	9
Deschampsia cespitosa	2L	9
Echinacea 'Purpureum'	2L	9
Geranium pratense	2L	9
Helleborum 'Mourning Beauty'	2L	9
Miscanthus sinensis 'Femer Oden'	2L	9
Molinia caerulea arundinacea 'Transparent'	2L	9
Phloxis russelliana	2L	9
Rudbeckia fulgida sullivantii 'Goldsturm'	2L	9
Salvia nemorosa 'Caradonna'	2L	9
Sedum 'Major'	2L	9
Veronicastrum virginicum 'Album'	2L	9
Cornus sanguinea	10L	1

**EM10 Tussock Wild flower Meadow**

- Wildflowers 20%**
- 0.80% Achillea millefolium - Yarrow
  - 0.60% Agrimonia eupatoria - Agrimony
  - 0.20% Arctium minus - Lesser Burdock
  - 2.00% Centaurea nigra - Common Knapweed
  - 1.00% Centaurea scabiosa - Greater Knapweed
  - 2.00% Daucus carota - Wild Carrot
  - 1.60% Dipsacus fullonum - Wild Teasel
  - 0.60% Filipendula ulmaria - Meadowsweet
  - 1.80% Galium album - Hedge Bedstraw
  - 0.40% Geranium pratense - Meadow Crane's-bill
  - 0.80% Knautia arvensis - Field Scabious
  - 0.40% Lathyrus pratensis - Meadow Vetchling
  - 1.60% Leucanthemum vulgare - Oxeye Daisy
  - 0.40% Malva moschata - Musk Mallow
  - 1.80% Plantago lanceolata - Ribwort Plantain
  - 0.80% Poterium sanguisorba - Salad Burnet
  - 1.20% Silene dioica - Red Campion
  - 0.40% Vicia cracca - Tufted Vetch
- Grasses 80%**
- 4.00% Alopecurus pratensis - Meadow Foxtail (w)
  - 24.00% Cynosurus cristatus - Crested Dogtail
  - 8.00% Dactylis glomerata - Cocksfoot (w)
  - 20.00% Festuca rubra ssp rubra - Slender-creeping Red Fescue
  - 4.00% Poa pratensis - Smooth-stalked Meadow-grass
  - 20.00% Schedonorus arundinaceus (Festuca arundinacea)

**EL8 Wet Meadow**

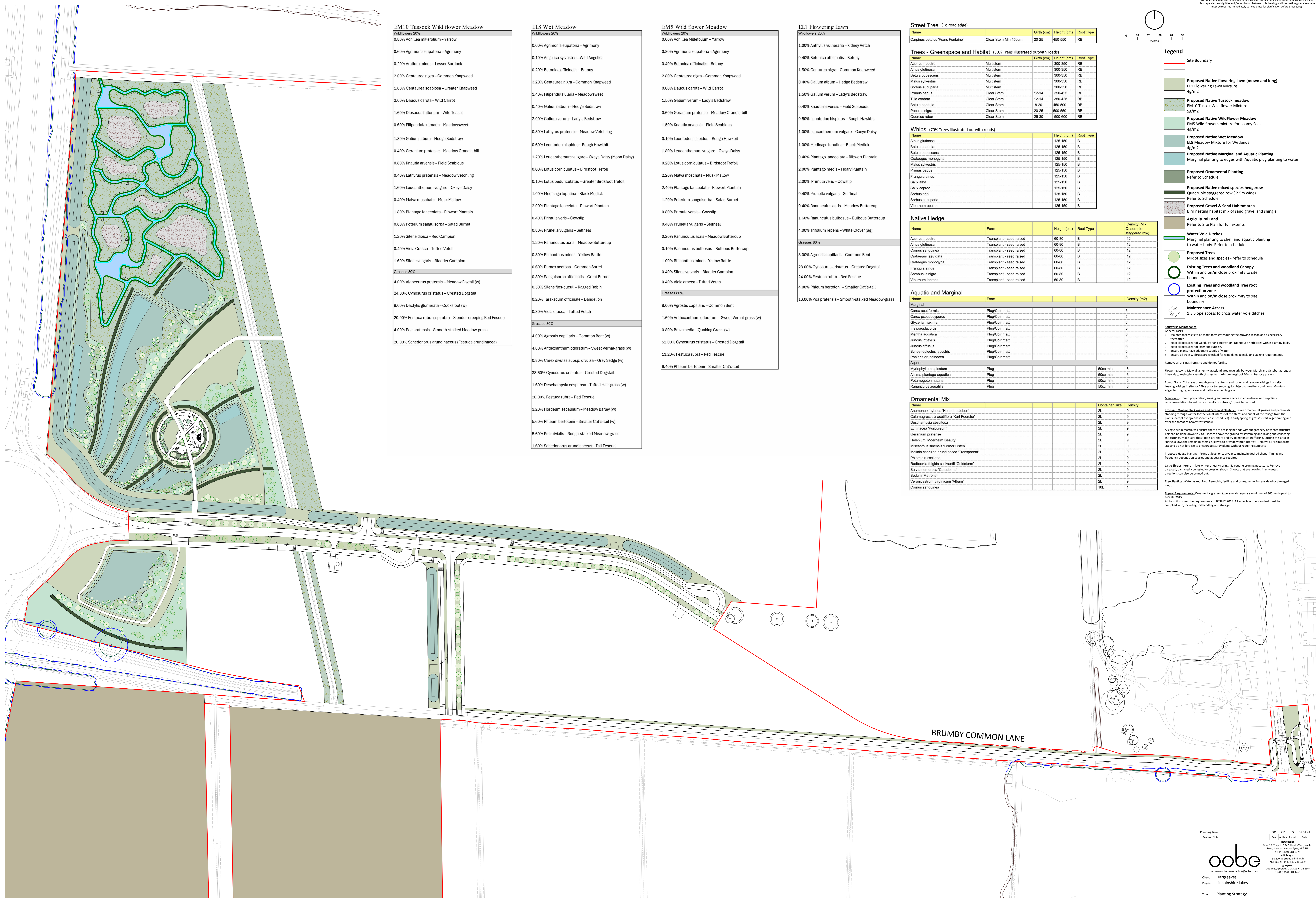
- Wildflowers 20%**
- 0.60% Agrimonia eupatoria - Agrimony
  - 0.10% Angelica sylvestris - Wild Angelica
  - 0.20% Betonica officinalis - Betony
  - 3.20% Centaurea nigra - Common Knapweed
  - 1.40% Filipendula ulmaria - Meadowsweet
  - 0.40% Galium album - Hedge Bedstraw
  - 2.00% Galium verum - Lady's Bedstraw
  - 0.80% Lathyrus pratensis - Meadow Vetchling
  - 0.60% Leontodon hispidus - Rough Hawkbit
  - 1.20% Leucanthemum vulgare - Oxeye Daisy (Moon Daisy)
  - 0.60% Lotus corniculatus - Birdsfoot Trefoil
  - 0.10% Lotus pedunculatus - Greater Birdsfoot Trefoil
  - 1.00% Medicago lupulina - Black Medick
  - 0.40% Malva moschata - Musk Mallow
  - 2.00% Plantago lanceolata - Ribwort Plantain
  - 0.40% Primula veris - Cowslip
  - 0.80% Prunella vulgaris - Selfheal
  - 1.20% Ranunculus acris - Meadow Buttercup
  - 0.80% Rhinanthus minor - Yellow Rattle
  - 0.60% Rumex acetosa - Common Sorrel
  - 0.30% Sangisorba officinalis - Great Burnet
  - 0.50% Silene flos-cuculi - Ragged Robin
  - 0.20% Taraxacum officinale - Dandelion
  - 0.30% Vicia cracca - Tufted Vetch
- Grasses 80%**
- 4.00% Agrostis capillaris - Common Bent (w)
  - 4.00% Anthoxanthum odoratum - Sweet Vernal-grass (w)
  - 0.80% Briza media - Quaking Grass (w)
  - 52.00% Cynosurus cristatus - Crested Dogtail
  - 11.20% Festuca rubra - Red Fescue
  - 6.40% Phleum bertolonii - Smaller Cat's-tail

**EM5 Wild flower Meadow**

- Wildflowers 20%**
- 0.60% Achillea millefolium - Yarrow
  - 0.80% Agrimonia eupatoria - Agrimony
  - 0.40% Betonica officinalis - Betony
  - 2.80% Centaurea nigra - Common Knapweed
  - 0.60% Daucus carota - Wild Carrot
  - 1.50% Galium verum - Lady's Bedstraw
  - 0.60% Geranium pratense - Meadow Crane's-bill
  - 1.50% Knautia arvensis - Field Scabious
  - 1.00% Leontodon hispidus - Rough Hawkbit
  - 1.80% Leucanthemum vulgare - Oxeye Daisy
  - 0.40% Plantago lanceolata - Ribwort Plantain
  - 0.20% Lotus corniculatus - Birdsfoot Trefoil
  - 2.20% Malva moschata - Musk Mallow
  - 2.40% Plantago lanceolata - Ribwort Plantain
  - 1.20% Poterium sanguisorba - Salad Burnet
  - 0.80% Primula veris - Cowslip
  - 0.40% Prunella vulgaris - Selfheal
  - 0.20% Ranunculus acris - Meadow Buttercup
  - 0.10% Rhinanthus minor - Yellow Rattle
  - 0.40% Silene vulgaris - Bladder Campion
  - 0.40% Vicia cracca - Tufted Vetch
- Grasses 80%**
- 8.00% Agrostis capillaris - Common Bent
  - 1.60% Anthoxanthum odoratum - Sweet Vernal-grass (w)
  - 0.80% Briza media - Quaking Grass (w)
  - 52.00% Cynosurus cristatus - Crested Dogtail
  - 11.20% Festuca rubra - Red Fescue
  - 6.40% Phleum bertolonii - Smaller Cat's-tail

**EL1 Flowering Lawn**

- Wildflowers 20%**
- 1.00% Anthyllus vulneraria - Kidney Vetch
  - 0.40% Betonica officinalis - Betony
  - 1.50% Centaurea nigra - Common Knapweed
  - 0.40% Galium album - Hedge Bedstraw
  - 1.50% Galium verum - Lady's Bedstraw
  - 0.40% Knautia arvensis - Field Scabious
  - 0.50% Leontodon hispidus - Rough Hawkbit
  - 1.00% Leucanthemum vulgare - Oxeye Daisy
  - 1.00% Medicago lupulina - Black Medick
  - 0.40% Plantago lanceolata - Ribwort Plantain
  - 2.00% Plantago media - Hoary Plantain
  - 2.00% Primula veris - Cowslip
  - 0.40% Prunella vulgaris - Selfheal
  - 0.40% Ranunculus acris - Meadow Buttercup
  - 1.60% Ranunculus bulbosus - Bulbous Buttercup
  - 4.00% Trifolium repens - White Clover (ag)
- Grasses 80%**
- 8.00% Agrostis capillaris - Common Bent
  - 28.00% Cynosurus cristatus - Crested Dogtail
  - 24.00% Festuca rubra - Red Fescue
  - 4.00% Phleum bertolonii - Smaller Cat's-tail
  - 16.00% Poa pratensis - Smooth-stalked Meadow-grass



Planning Issue	POI	OP	CS	07.01.24
Revision Note	Rev:	Author	Agreed	Date



Client: Hargreaves  
Project: Lincolnshire lakes  
Title: Planting Strategy