

Native Trees and Scrub

Native small trees and scrub, provide buffer around the car park and buildings, providing a rich mosaic of habitats for wildlife, food, shelter, and nesting opportunities for various species.

POTENTIAL SPECIES LIST

- Cornus sanguinea* – Dogwood
- Corylus avellana* – Hazel
- Crataegus monogyna* – Hawthorn
- Ligustrum vulgare* – Wild privet
- Pilea microphylla* – Artillery fern
- Prunus spinosa* – Blackthorn
- Rhamnus cathartica* – Buckthorn
- Rosa canina* – Dog rose
- Rubus fruticosus* – Bramble
- Sambucus nigra* – Elder
- Ulex europaeus* – Gorse
- Viburnum opulus* – Guelder rose



Cornus sanguinea



Corylus avellana



Crataegus monogyna



Ligustrum vulgare



Pilea microphylla



Prunus spinosa



Rhamnus cathartica



Rosa canina



Rubus fruticosus



Sambucus nigra



Ulex europaeus



Viburnum opulus



GRASSCRETE SEEDING

Wildflowerlawnsandmeadows.co.uk, Grass-free wildflower lawn seed mix

Species	Latin name
Birds-foot-trefoil	<i>Lotus corniculatus</i>
Bulbous Buttercup	<i>Ranunculus bulbosus</i>
Common Knapweed	<i>Centaurea nigra</i>
Common Spotted Orchid	<i>Dactylorhiza fuchsii</i>
Cowslip	<i>Primula veris</i>
Creeping buttercup	<i>Ranunculus repens</i>
Eyebright	<i>Euphrasia officinalis</i>
Germander Speedwell	<i>Veronica chamaedrys</i>
Greater Birds-foot-trefoil	<i>Lotus pedunculatus</i>
Kidney Vetch	<i>Anthyllis vulneraria</i>
Lady's bedstraw	<i>Galium verum</i>
Lawn Chamomile	<i>Anthemis nobilis</i>
Lawn Daisy	<i>Bellis perennis</i>
Meadow Vetchling	<i>Lathyrus pratensis</i>
Oxeye Daisy	<i>Leucanthemum vulgare</i>
Ragged Robin	<i>Silene flos-cuculi</i>
Red Clover	<i>Trifolium pratense</i>
Ribwort Plantain	<i>Plantago lanceolata</i>
Salad Burnet	<i>Poterium sanguisorba</i>

- Selfheal
- Sorrel
- Sheep's Sorrel
- White Clover
- Wild Marjoram
- Wild Thyme
- Prunella vulgaris*
- Rumex acetosa*
- Rumex acetosella*
- Trifolium repens*
- Origanum vulgare*
- Thymus polytrichus*

Anacamptis pyramidalis – Pyramidal orchid sown at low rate - hard to germinate

GRASSED AREAS

A flowering lawn mixture to provide grassland areas for amenity use and wildflowers for pollinators

Emorsgate ELI 80/20 Flowering Lawn Mixture

- Wild Flowers - 20%**
- 1.00% *Achillea millefolium* – Yarrow
 - 1.00% *Anthyllis vulneraria* – Kidney Vetch
 - 0.40% *Betonica officinalis* – Betony
 - 1.50% *Centurea 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 Dogstail
 - 24.00% *Festuca rubra* – Red Fescue
 - 4.00% *Phleum bertolonii* – Smaller Cat's-tail
 - 16.00% *Poa pratensis* – Smooth-stalked Meadow-grass



ECOLOGICAL REGENERATION OF THE BROADWATER SAILING CLUB

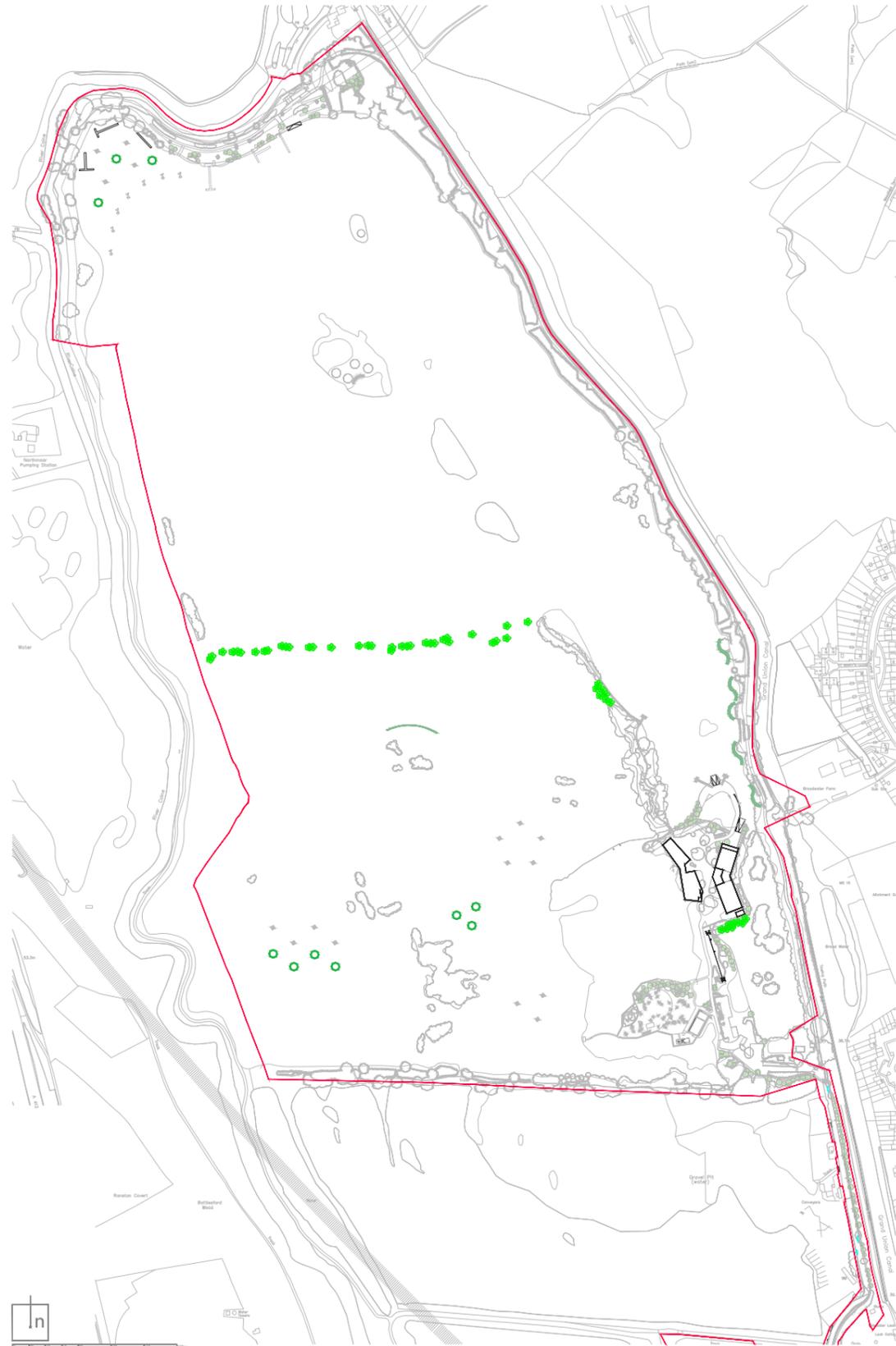
Emorsgate EM2 Standard General Purpose Meadow Mixture

- Wild flowers – 15%**
- 0.75% *Achillea millefolium* – Yarrow
 - 2.25% *Centurea nigra* – Common Knapweed
 - 1.20% *Daucus carota* – Wild Carrot
 - 0.30% *Galium verum* – Lady's Bedstraw
 - 0.60% *Knautia arvensis* – Field Scabious
 - 1.95% *Leucanthemum vulgare* – Oxeye Daisy
 - 0.75% *Malva moschata* – Musk Mallow
 - 2.25% *Plantago lanceolata* – Ribwort Plantain
 - 1.50% *Poterium sanguisorba ssp sanguisorba* – Salad Burnet
 - 0.45% *Primula veris* – Cowslip
 - 1.50% *Ranunculus acris* – Meadow Buttercup
 - 0.75% *Rhinanthus minor* – Yellow Rattle
 - 0.75% *Silene vulgaris* – Bladder Campion

Grasses – 85%

- 8.50% *Agrostis capillaris* – Common Bent
- 29.75% *Cynosurus cristatus* – Crested Dogstail
- 25.50% *Festuca rubra* – Red Fescue
- 4.25% *Phleum bertolonii* – Smaller Cat's-tail
- 17.00% *Poa pratensis* – Smooth-stalked Meadow-grass

Potential for using green hay from a local meadow under supervision of Ecologist



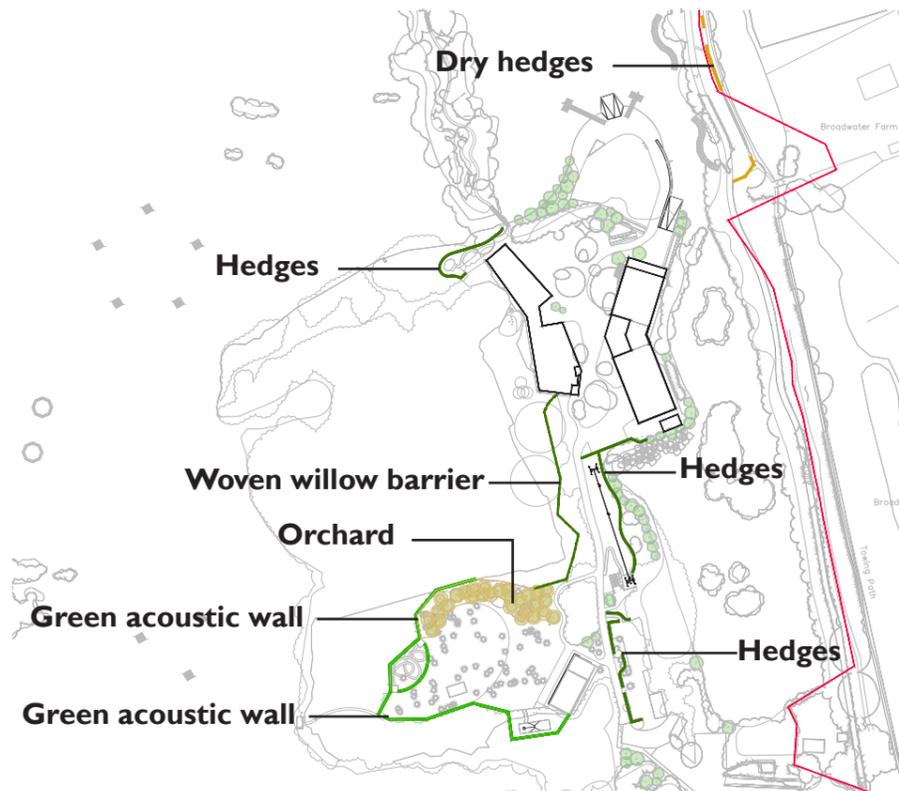
Floating reedbeds

Floating platforms designed to be fully covered with reeds, sedges, and other wetland plants with extensive root systems.

These plants are chosen for their ability to tolerate wet conditions and perform various ecological functions. The roots of the plants dangle below the mat into the water, creating a submerged zone where biological and chemical processes take place.

Reedbeds to have a diverse structure with between 60 and 80% reeds *Phragmites australis*.

Submerged willow planters (nr. 50)



MIX NATIVE HEDGES

Species rich hedgerows with at least 5 native, woody species including Hawthorn, Blackthorn and Hazel, provide natural barriers and provide numerous benefits such as nesting for birds and shelter and foraging habitat for reptiles.

Hedgerows should be planted by using one year old whips, planted in a double staggered row where possible, and comprised of at least five woody species. At least 70% of the mix should comprise Hazel, Hawthorn and Blackthorn with at least half of the mix made up of the latter two species. Other suitable native species such as Alder, Holly and Dog-rose should make up the rest of the planting mix.

Native hedging provides a wide season of forage for wildlife.

- 50% *Crataegus monogyna* Hawthorn
- 50% mix of:
 - Acer campestre* Field maple
 - Corylus avellana* Hazel
 - Ligustrum ovalifolium* Wild privet
 - Malus sylvestris* Crab apple
 - Rosa canina* Dog rose
 - Prunus spinosa* Blackthorn

DRY HEDGE

Native climbers fill gaps in existing hedging whilst providing food and habitat for wildlife.

- Hedera helix* English ivy
- Lonicera peirclymenum* Honeysuckle
- Rosa arvensis* Field rose
- Rosa canina* Dog rose

GREEN ACOUSTIC WALL

Native climbers ascend the wall to provide a green, wildlife-friendly barrier between the existing woodland and activity area.

- Clematis vitalba* Traveller's joy
- Hedera helix* – low planting rate English ivy
- Lonicera periclymenum* Honeysuckle
- Rosa arvensis* Field rose
- Rosa canina* Dog rose

ORCHARD

Trees of local provenance are chosen

- Crab Apples** - *Malus sylvestris*
- Malus sylvestris* – Native crab apple
- 'Aldenham Purple' – Aldenham

- Apple** - *Malus domestica*
- 'Cox Orange Pippin' - Richard Cox develop the apple in Slough nearby
- 'Brownlees Russet' – Hemel Hempstead
- 'Rosemary Russet' – Brentford
- 'Lord Lennox' – Berkshire
- 'Lanes Prince Albert' – Hertfordshire

- Plum** - *Prunus domestica*
- 'Golden Transparent' gage - Sawbridgeworth
- 'Blue Rock' – Sawbridgeworth
- 'Early Rivers' – Sawbridgeworth

- Cherry** - *Prunus avium*
- 'Alba Heart' – Hertfordshire / Buckinghamshire
- 'Strawberry Heart' – Kings Langley
- 'Turkish Black' – Hertfordshire

- Pear** - *Pyrus domestica*
- 'Conference' – Sawbridgeworth
- 'Parrot' – Sawbridgeworth

WOVEN WILLOW BARRIER

Live willow woven fence.

- Salix alba* White Willow
- Salix purpurea* Purple Willow

TREE SCHEDULE

175 specimen trees including orchard planting
250 willows within submerged planters