Planting Schedule

Trees - locations as shown on 251898-ARP-XX-XX-DR-L-0001 & 0002

Ref	Species	Common Name	Form	Height	Girth	Number	Clear stem	Notes
A gl	*Alnus glutinosa*	Common alder	Standard	250-300cm	6-8cm	6	CS	Light Standard, Root-balled, Single stem with even branching.
C be	*Carpinus betulus*	Hornbeam	Standard	250-300cm	6-8cm	4	CS	Light Standard, Root-balled, Single stem with even branching.
S ca	*Salix caprea*	Goat willow	Standard	250-300cm	6-8cm	6	CS	Light Standard, Root-balled, Single stem with even branching.
A ca	*Acer campestre*	Field maple	Standard	250-300cm	6-8cm	2	CS	Light Standard, Root-balled, Single stem with even branching.
C av	*Corylus avellana*	Common Hazel	Feathered	175-200cm	less than 6cm	6		Container Grown; 40L, Bushed with regular and even branching.
P av	*Prunus avium*	Wild Cherry	Standard	250-300cm	6-8cm	4	CS	Light Standard, Root-balled, Single stem with even branching.

Native Hedgerow Mix

Ref	Species	Common Name	Form	Planted Height	Quantity (no)	Density/m²	Percentage Mix	Notes
HR1	*Acer campestre*	Field maple	Whip / Transplant	60-80cm		2	20	1+1; Transplant - seed raised
	Corylus avellana	Common Hazel	Whip / Transplant	40-60cm		2	15	1+1; Transplant - seed raised; branched; 2 brks
	Crataegus monogyna	Hawthorn	Whip / Transplant	60-80cm		2	20	1+1; Transplant - seed raised
	Ilex aquifolium	Common Holly	Whip / Transplant	60-80cm		2	15	Leader with laterals
	Rosa canina	Dog Rose	Whip / Transplant	60-80cm		2	15	1+1; Transplant - seed raised; branched; 3 brks
	Sambucus nigra	Common Elder	Whip / Transplant	80-100cm		2	15	1+1; Transplant - seed raised; branched; 3 brks

Notes:
HR1 mix **To be planted at 0.5m centres in a double staggered row.**

Total length: 65m

Shrub Mix

Ref	Species	Common Name	Form	Planted Height	Quantity (no)	Density/m²	Percentage Mix	Notes
SM1	*Crataegus monogyna*	Hawthorn	Whip / Transplant	60-80cm		1	40	Bareroot, Single stem with even branching
	Corylus avellana	Common Hazel	Whip / Transplant	60-80cm		1	40	Bareroot, Single stem with even branching
	Prunus spinosa	Blackthorn	Whip / Transplant	60-80cm		1	20	Bareroot, Single stem with even branching

Notes:
SM1 mix **Shrubs to be planted at 1.0m centres in random groups of plants (3-5 plants) of the same species.**

Total area: 230m2

Plant Mixes

Planting Mix 1 - To proposed Scrapes and Swales

Wildflower species 20%

Ref	Species	Common Name	Form	Planted Height	Pot Size	Density/m²	Percentage Mix	Notes
PM1	*Achillea millefolium*	Yarrow	Seed	n/a	n/a	n/a	0.2	seed
	Centaurea nigra	Common Knapweed	Seed	n/a	n/a	n/a	2	seed
	Filipendula ulmaria	Meadowsweet	Seed	n/a	n/a	n/a	2	seed
	Galium verum	Lady's Bedstraw	Seed	n/a	n/a	n/a	1.5	seed
	Geum rivale	Water Avens	Seed	n/a	n/a	n/a	0.5	seed
	Iris pseudacorus	Yellow Iris	Seed	n/a	n/a	n/a	0.2	seed
	Leucanthemum vulgare	Oxeye Daisy - (Moon Daisy)	Seed	n/a	n/a	n/a	1.5	seed
	Lotus corniculatus	Birdsfoot Trefoil	Seed	n/a	n/a	n/a	1	seed
	Lotus pedunculatus	Greater Birdsfoot Trefoil	Seed	n/a	n/a	n/a	0.04	seed
	Plantago lanceolata	Ribwort Plantain	Seed	n/a	n/a	n/a	1	seed
	Primula veris	Cowslip	Seed	n/a	n/a	n/a	0.4	seed
	Prunella vulgaris	Selfheal	Seed	n/a	n/a	n/a	2	seed
	Pulicaria dysenterica	Common Fleabane	Seed	n/a	n/a	n/a	0.5	seed
	Ranunculus acris	Meadow Buttercup	Seed	n/a	n/a	n/a	0.46	seed
	Rhinanthus minor	Yellow Rattle	Seed	n/a	n/a	n/a	1	seed
	Rumex acetosa	Common Sorrel	Seed	n/a	n/a	n/a	1	seed
	Sanguisorba officinalis	Great Burnet	Seed	n/a	n/a	n/a	1.5	seed
	Silaum silaus	Pepper Saxifrage	Seed	n/a	n/a	n/a	1	seed
	Taraxacum officinale	Dandelion	Seed	n/a	n/a	n/a	1	seed
	Thalictrum flavum	Common Meadow-rue	Seed	n/a	n/a	n/a	0.2	seed
	Vicia cracca	Tufted Vetch	Seed	n/a	n/a	n/a	1	seed

Grass species 80%

Ref	Species	Common Name	Form	Planted Height	Pot Size	Density/m²	Percentage Mix	Notes
PM1	*Agrostis capillaris*	Common bent	Seed	n/a	n/a	n/a	10	seed
	Alopecurus pratensis	Meadow Foxtail (w)	Seed	n/a	n/a	n/a	3	seed
	Anthoxanthum odoratum	Sweet Vernal-grass (w)	Seed	n/a	n/a	n/a	3	seed
	Briza media	Quaking Grass (w)	Seed	n/a	n/a	n/a	3	seed
	Cynosurus cristatus	Crested Dogstail	Seed	n/a	n/a	n/a	24	seed
	Deschampsia cespitosa	Tufted Hair-grass (w)	Seed	n/a	n/a	n/a	2	seed
	Festuca rubra	Slender-creeping Red-fescue	Seed	n/a	n/a	n/a	32	seed
	Hordeum secalinum	Meadow Barley (w)	Seed	n/a	n/a	n/a	3	seed

Total area: 1,760m2

Notes:
PM1 mix **Based on Emorsgate EM8 – MEADOW MIXTURE FOR WETLANDS 80% grass / 20% wildflowers - EM8 contains species suitable for seasonally wet soils and is based on the vegetation of traditional floodplain and water meadows. Soils in wet meadows may flood for short periods in winter, but are usually well drained in summer. Sowing rate 4g/m2 or as per supplier's recommendations**

Planting Mix 2 - To edge of proposed Scrapes ash shown in Landscape General Arrangement drawings

Ref	Species	Common Name	Form	Planted Height	Pot Size	Density/m²	Percentage Mix	Notes
PM 2 Marginal	*Iris pseudacorus*	Yellow flag iris	Plug plant		9cm	6	15	Well established plug plant, Fully rooted pot system, healthy crown
	Lythrum salicaria	Purple Loosestrife	Plug plant		9cm	6	10	Well established plug plant, Fully rooted pot system, healthy crown
	Caltha palustris	Marsh marigold	Plug plant		9cm	6	25	Well established plug plant, Fully rooted pot system, healthy crown

Total area: 118m2

Planting Mix 3 - Additional wildflower seeding to existing general grassland pasture

Ref	Species	Common Name	Form	Planted Height	Pot Size	Density/m²	Percentage Mix	Notes
PM3	*Achillea millefolium*	Yarrow	Seed	n/a	n/a	n/a	4	seed
	Agrimonia eupatoria	Agrimony	Seed	n/a	n/a	n/a	2	seed
	Anthyllis vulneraria	Kidney Vetch	Seed	n/a	n/a	n/a	0.5	seed
	Betonica officinalis - (Stachys officinalis)	Betony	Seed	n/a	n/a	n/a	1	seed
	Centaurea nigra	Common Knapweed	Seed	n/a	n/a	n/a	13	seed
	Centaurea scabiosa	Greater Knapweed	Seed	n/a	n/a	n/a	12.5	seed
	Daucus carota	Wild Carrot	Seed	n/a	n/a	n/a	7.5	seed
	Echium vulgare	Viper's Bugloss	Seed	n/a	n/a	n/a	1	seed
	Galium album - (Galium mollugo)	Hedge Bedstraw	Seed	n/a	n/a	n/a	1	seed
	Galium verum	Lady's Bedstraw	Seed	n/a	n/a	n/a	1.5	seed
	Geranium pratense	Meadow Crane's-bill	Seed	n/a	n/a	n/a	1.5	seed
	Knautia arvensis	Field Scabious	Seed	n/a	n/a	n/a	5	seed
	Leontodon hispidus	Rough Hawkbit	Seed	n/a	n/a	n/a	1	seed
	Leucanthemum vulgare	Oxeye Daisy - (Moon Daisy)	Seed	n/a	n/a	n/a	15	seed
	Lotus corniculatus	Birdsfoot Trefoil	Seed	n/a	n/a	n/a	1	seed
	Medicago lupulina	Black Medick	Seed	n/a	n/a	n/a	0.5	seed
	Origanum vulgare	Wild Marjoram	Seed	n/a	n/a	n/a	1	seed
	Pastinaca sativa	Wild Parsnip	Seed	n/a	n/a	n/a	2	seed
	Poterium sanguisorba - (Sanguisorba minor)	Salad Burnet	Seed	n/a	n/a	n/a	2.5	seed
	Primula veris	Cowslip	Seed	n/a	n/a	n/a	1.5	seed
	Prunella vulgaris	Selfheal	Seed	n/a	n/a	n/a	12.5	seed
	Ranunculus acris	Meadow Buttercup	Seed	n/a	n/a	n/a	1	seed
	Rhinanthus minor	Yellow Rattle	Seed	n/a	n/a	n/a	1.5	seed
	Rumex acetosa	Common Sorrel	Seed	n/a	n/a	n/a	1	seed
	Sanguisorba officinalis	Great Burnet	Seed	n/a	n/a	n/a	1	seed
	Silaum silaus	Pepper Saxifrage	Seed	n/a	n/a	n/a	1	seed
	Silene vulgaris	Bladder Campion	Seed	n/a	n/a	n/a	1.5	seed
	Taraxacum officinale	Dandelion	Seed	n/a	n/a	n/a	0.5	seed
	Torilis japonica	Upright Hedge-parsley	Seed	n/a	n/a	n/a	2.5	seed
	Vicia cracca	Tufted Vetch	Seed	n/a	n/a	n/a	2.5	seed

Notes:
PM3 mix **Based on Emorsgate EM3F - SPECIAL GENERAL PURPOSE WILD FLOWERS. EM3F contains a wide range of flower species to ensure increased diversity. Sowing rate 4g/m2 or as per supplier's recommendations**

Total area: 4,930m2

Planting Mix 4 - Intensive swathes of pollinator wildflowers within general wildflower areas

Ref	Species	Common Name	Form	Planted Height	Pot Size	Density/m²	Percentage Mix	Notes
PM 4 Pollinator and night scent for Bats	*Silene vulgaris*	Bladder campion	Seed		n/a	n/a	4	seed
	Silene dioica	Red campion	Seed		n/a	n/a	5	seed
	Silene noctiflora	Night catch-fly	Seed		n/a	n/a	2	seed
	Anthemis arvensis	Corn Chamomile	Seed		n/a	n/a	3	seed
	Centaurea cyanus	Cornflower	Seed		n/a	n/a	13	seed
	Oenothera biennis	Evening Primrose	Seed		n/a	n/a	12.5	seed
	Papaver rhoeas	Field Poppy	Seed		n/a	n/a	7.5	seed
	Erigeron annuus	Fleabane	Seed		n/a	n/a	3.5	seed
	Digitalis purpurea	Foxglove	Seed		n/a	n/a	3	seed
	Verbascum thapsus	Great Mullein	Seed		n/a	n/a	3	seed
	Glebionis segetum	Corn Marigold	Seed		n/a	n/a	2.5	seed
	Saponaria officinalis	Soapwort	Seed		n/a	n/a	5	seed
	Echium vulgare	Vipers Bugloss	Seed		n/a	n/a	3	seed
	Achillea millefolium	Yarrow	Seed		n/a	n/a	15	seed
	Symphytum officinale	Comfrey	Seed		n/a	n/a	2	seed
	Trifolium species	Clovers	Seed		n/a	n/a	5	seed
	Centaurea scabiosa	Greater Knapweed	Seed		n/a	n/a	7	seed
	Anemone nemorosa	Wood Anenome	Seed		n/a	n/a	4	seed

Notes:
PM4 mix **Based on RSPB Bat Attractor. The mix contains a wide range of native wildflowers to attract night-time insects and in turn Bats. This is bolstered with other bee pollinator friendly species. Sowing rate 10g/m2**

Total area: 215m2

Planting Mix 5- Strong grass seed mix to maintenance access corridor

Ref	Species	Common Name	Form	Planted Height	Pot Size	Density/m²	Percentage Mix	Notes
PM 5 Strong Grass Seed mix	*Agrostis capillaris*	Common Bent	Seed		n/a	n/a	5	seed
	Festuca rubra	Red Fescue	Seed		n/a	n/a	5	seed
	Lolium perenne	Perennial Ryegrass	Seed		n/a	n/a	25	seed
	Poa pratensis	Smooth Stalked Meadow-grass	Seed		n/a	n/a	20	seed

Notes:
PM5 mix **Based on Emorsgate EG22 - STRONG LAWN GRASS MIXTURE. EG22 contains an all purpose lawn mixture that is attractive and resilient. Sowing rate 25g/m2 or as per supplier's recommendations**

Total area: 3475m2

Notes

1. Do not scale from this drawing, use only printed dimensions.
2. All dimensions shown in millimetres and all levels in mAOD unless shown otherwise.
3. This drawing is to be read in conjunction with the project health & safety file for any identified potential risks.

Rev	Date	By	Chkd	Appd
P01	21.03.24	JS	BO	BO

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Client
Hampshire County Council

Project Title
Botley Fields
Biodiversity Enhancement Zone

Key Plan

Drawing Title
Planting Schedule

Scale at A1 nts

Role Landscape Design

Suitability S4 - P01

Arup Job No **251898-00** Rev

Name **251898-ARP-XX-XX-DR-L-0003**

Do not scale

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