

A1

A B C D E F G H I J K L M N

1

Botley Fields Biodiversity Enhancement Zone - Planting Schedule V2.0

Trees									
Locations as shown on 251898-ARP-XX-XX-DR-L-0001 & 0002									
Ref	Species	Common Name	Form	Height	Girth	Density/lin.m	Clear stem	Number	Notes
A gl	Ainus glutinosa	Common alder	Standard	250-300cm	6-8cm	n/a	CS	6	Light Standard, Root-balled, Single stem with even branching.
C be	Carpinus betulus	Hornbeam	Standard	250-300cm	6-8cm	n/a	CS	4	Light Standard, Root-balled, Single stem with even branching.
S ca	Salix caprea	Goat willow	Standard	250-300cm	6-8cm	n/a	CS	6	Light Standard, Root-balled, Single stem with even branching.
A ca	Acer campestre	Field maple	Standard	250-300cm	6-8cm	n/a	CS	2	Light Standard, Root-balled, Single stem with even branching.
C av	Corylus avellana	Common Hazel	Multi-stem	175-200cm	Multi-stem	n/a	n/a	6	Container Grown: 40L. Bushed with regular and even branching.
P av	Prunus avium	Wild Cherry	Standard	250-300cm	6-8cm	n/a	CS	4	Light Standard, Root-balled, Single stem with even branching.

Native Hedgerow Mix									
To be planted in two lines, 0.5m apart in a staggered row pattern.									
Ref	Species	Common Name	Form	Height	Density/lin.percentage M	Number	Notes		
HR1	Acer campestre	Field maple	Whip / Transplant	60-80cm	n/a	6	20	91	1+1; Transplant - seed raised
	Corylus avellana	Common Hazel	Whip / Transplant	40-60cm	n/a	6	15	68	1+1; Transplant - seed raised; branched; 2 brks
	Crataegus monogyna	Hawthorn	Whip / Transplant	60-80cm	n/a	6	20	91	1+1; Transplant - seed raised
	Ilex aquifolium	Common Holly	Pot Grown	3L	n/a	6	15	68	Minimum 5 breaks
	Rosa canina	Dog Rose	Whip / Transplant	60-80cm	n/a	6	15	68	1+1; Transplant - seed raised; branched; 3 brks
	Sambucus nigra	Common Elder	Whip / Transplant	80-100cm	n/a	6	15	68	1+1; Transplant - seed raised; branched; 3 brks
Total length: 76m									

Shrub Mix									
Shrubs to be planted at 1.0m centres in random groups of plants (3-5 plants) of the same species.									
Ref	Species	Common Name	Form	Height	Pot Size	Density/m ²	Percentage Mix	Number	Notes
SM1	Acer Campestre	Field maple	Whip / Transplant	60-80cm	n/a	2	20	92	Bareroot, Single stem with even branching
	Crataegus monogyna	Hawthorn	Whip / Transplant	60-80cm	n/a	2	20	92	Bareroot, Single stem with even branching
	Corylus avellana	Common Hazel	Whip / Transplant	60-80cm	n/a	2	30	138	Bareroot, Single stem with even branching
	Prunus spinosa	Blackthorn	Whip / Transplant	60-80cm	n/a	2	20	92	Bareroot, Single stem with even branching
	Sambucus nigra	Elder	Whip / Transplant	60-80cm	n/a	2	10	46	Bareroot, Single stem with even branching
	Total area: 230m2								

Planting Mix 1
To proposed Scrapes and Swales
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

Ref	Species	Common Name	Form	Height	Pot Size	Density/m ²	Percentage Mix	Number	Notes
Wildflower species 20%									
PM1	Achillea millefolium	Yarrow	Seed	n/a	n/a	n/a	0.2	n/a	seed
	Centaurea nigra	Common Knapweed	Seed	n/a	n/a	n/a	2	n/a	seed
	Filipendula ulmaria	Meadowsweet	Seed	n/a	n/a	n/a	2	n/a	seed
	Galium verum	Lady's Bedstraw	Seed	n/a	n/a	n/a	1.5	n/a	seed
	Geum rivale	Water Avena	Seed	n/a	n/a	n/a	0.5	n/a	seed
	Iris pseudacorus	Yellow flag Iris	Seed	n/a	n/a	n/a	0.2	n/a	seed
	Leucanthemum vulgare	Oxeye Daisy - (Moon Daisy)	Seed	n/a	n/a	n/a	1.5	n/a	seed
	Lotus corniculatus	Birdsfoot Trefail	Seed	n/a	n/a	n/a	1	n/a	seed
	Lotus pedunculatus	Greater Birdsfoot Trefail	Seed	n/a	n/a	n/a	0.04	n/a	seed
	Plantago lanceolata	Ribwort Plantain	Seed	n/a	n/a	n/a	1	n/a	seed
	Primula veris	Cowslip	Seed	n/a	n/a	n/a	0.4	n/a	seed
	Prunella vulgaris	Selfheal	Seed	n/a	n/a	n/a	2	n/a	seed
	Pulicaria dysenterica	Common Fleabane	Seed	n/a	n/a	n/a	0.5	n/a	seed
	Ranunculus acris	Meadow Buttercup	Seed	n/a	n/a	n/a	0.46	n/a	seed
	Rhinanthus minor	Yellow Rattle	Seed	n/a	n/a	n/a	1	n/a	seed
	Rumex acetosa	Common Sorrel	Seed	n/a	n/a	n/a	1	n/a	seed
	Sanguisorba officinalis	Great Burnet	Seed	n/a	n/a	n/a	1.5	n/a	seed
	Silvaum silaus	Pepper Saxifrage	Seed	n/a	n/a	n/a	1	n/a	seed
	Taraxacum officinale	Dandelion	Seed	n/a	n/a	n/a	1	n/a	seed
	Thalictrum flavum	Common Meadow-rue	Seed	n/a	n/a	n/a	0.2	n/a	seed
	Vicia cracca	Tufted Vetch	Seed	n/a	n/a	n/a	1	n/a	seed
Grass species 80%									
PM1	Agrostis capillaris	Common bent	Seed	n/a	n/a	n/a	10	n/a	seed
	Alopecurus pratensis	Meadow Foxtail (w)	Seed	n/a	n/a	n/a	3	n/a	seed
	Anthoxanthum odoratum	Sweet Vernal-grass (w)	Seed	n/a	n/a	n/a	3	n/a	seed
	Biza media	Quaking Grass (w)	Seed	n/a	n/a	n/a	3	n/a	seed
	Cynosurus cristatus	Crested Dogstail	Seed	n/a	n/a	n/a	24	n/a	seed
	Deschampsia cespitosa	Tufted Hair-grass (w)	Seed	n/a	n/a	n/a	2	n/a	seed
	Festuca rubra	Slender-creeping Red-fescue	Seed	n/a	n/a	n/a	32	n/a	seed
	Hordeum secalinum	Meadow Barley (w)	Seed	n/a	n/a	n/a	3	n/a	seed
Total area: 1,760m2, Total seed quantity 7kg									

Planting Mix 2									
To edge of proposed Scrapes as shown in Landscape General Arrangement drawings									
Ref	Species	Common Name	Form	Height	Pot Size	Density/m ²	Percentage M	Number	Notes
PM 2	Iris pseudacorus	Yellow flag Iris	Plug plant	N/A	9cm	6	30	212	Well established plug plant, Fully rooted pot system, healthy crown
Marginal	Lythrum salicaria	Purple Loosestrife	Plug plant	N/A	9cm	6	20	142	Well established plug plant, Fully rooted pot system, healthy crown
	Galtha palustris	Marsh marigold	Plug plant	N/A	9cm	6	50	354	Well established plug plant, Fully rooted pot system, healthy crown
Total area: 118m2									

11

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

Planting Mix 3									
Additional wildflower seeding to existing general grassland pasture 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									
Ref	Species	Common Name	Form	Height	Pot Size	Density/m ²	Percentage M	Number	Notes
PM3	Achillea millefolium	Yarrow	Seed	n/a	n/a	n/a	4	n/a	seed
	Agrimonia eupatoria	Agrimony	Seed	n/a	n/a	n/a	2	n/a	seed
	Anthyllis vulneraria	Kidney Vetch	Seed	n/a	n/a	n/a	0.5	n/a	seed
	Betonica officinalis - (Stachys officinalis)	Betony	Seed	n/a	n/a	n/a	1	n/a	seed
	Centaurea nigra	Common Knapweed	Seed	n/a	n/a	n/a	13	n/a	seed
	Centaurea scabiosa	Greater Knapweed	Seed	n/a	n/a	n/a	12.5	n/a	seed
	Daucus carota	Wild Carrot	Seed	n/a	n/a	n/a	7.5	n/a	seed
	Echium vulgare	Viper's Bugloss	Seed	n/a	n/a	n/a	1	n/a	seed
	Galium album - (Galium mollugo)	Hedge Bedstraw	Seed	n/a	n/a	n/a	1	n/a	seed
	Galium verum	Lady's Bedstraw	Seed	n/a	n/a	n/a	1.5	n/a	seed
	Geranium pratense	Meadow Crane's-bill	Seed	n/a	n/a	n/a	1.5	n/a	seed
	Knautia arvensis	Field Scabious	Seed	n/a	n/a	n/a	5	n/a	seed
	Leonotodon hispidus	Rough Hawkbit	Seed	n/a	n/a	n/a	1	n/a	seed
	Leucanthemum vulgare	Oxeye Daisy - (Moon Daisy)	Seed	n/a	n/a	n/a	15	n/a	seed
	Lotus corniculatus	Birdsfoot Trefail	Seed	n/a	n/a	n/a	1	n/a	seed
	Medicago lupulina	Black Medick	Seed	n/a	n/a	n/a	0.5	n/a	seed
	Origanum vulgare	Wild Marjoram	Seed	n/a	n/a	n/a	1	n/a	seed
	Pastinaca sativa	Wild Parsnip	Seed	n/a	n/a	n/a	2	n/a	seed
	Poterium sanguisorba - (Sanguisorba minor)	Salad Burnet	Seed	n/a	n/a	n/a	2.5	n/a	seed
	Primula veris	Cowslip	Seed	n/a	n/a	n/a	1.5	n/a	seed
	Prunella vulgaris	Selfheal	Seed	n/a	n/a	n/a	12.5	n/a	seed
PM 4 Pollinator and night scent for Bats	Ranunculus acris	Meadow Buttercup	Seed	n/a	n/a	n/a	1	n/a	seed
	Rhinanthus minor	Yellow Rattle	Seed	n/a	n/a	n/a	1.5	n/a	seed
	Rumex acetosa	Common Sorrel	Seed	n/a	n/a	n/a	1	n/a	seed
	Sanguisorba officinalis	Great Burnet	Seed	n/a	n/a	n/a	1	n/a	seed
	Silvaum silaus	Pepper Saxifrage	Seed	n/a	n/a	n/a	1	n/a	seed
	Silene vulgaris	Bladder Campion	Seed	n/a	n/a	n/a	1.5	n/a	seed
	Taraxacum officinale	Dandelion	Seed	n/a	n/a	n/a	0.5	n/a	seed
	Torilis japonica	Upright Hedge-parsley	Seed	n/a	n/a	n/a	2.5	n/a	seed
	Vicia cracca	Tufted Vetch	Seed	n/a	n/a	n/a	2.5	n/a	seed
	Total area: 8400m2								

Planting Mix 4									
Intensive swatches of pollinator wildflowers within general wildflower areas 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									
Ref	Species	Common Name	Form	Height	Pot Size	Density/m ²	Percentage M	Number	Notes
PM 4 Pollinator and night scent for Bats	Silene vulgaris	Bladder campion	Seed	n/a	n/a	n/a	4	n/a	seed
	Silene dioica	Red campion	Seed	n/a	n/a	n/a	5	n/a	seed
	Silene noctiflora	Night catch-fly	Seed	n/a	n/a	n/a	2	n/a	seed
	Anthemis arvensis	Cam Chamomile	Seed	n/a	n/a	n/a	3	n/a	seed
	Centaurea cyanus	Comflower	Seed	n/a	n/a	n/a	13	n/a	seed
	Oenothera biennis	Evening Primrose	Seed	n/a	n/a	n/a	12.5	n/a	seed
	Papaver rhoeas	Field Poppy	Seed	n/a	n/a	n/a	7.5	n/a	seed
	Erigeron annuus	Fleabane	Seed	n/a	n/a	n/a	3.5	n/a	seed
	Digitalis purpurea	Foxglove	Seed	n/a	n/a	n/a	3	n/a	seed
	Verbascum thapsus	Great Mullein	Seed	n/a	n/a	n/a	3	n/a	seed
	Glebionis segetum	Com Marigold	Seed	n/a	n/a	n/a	2.5	n/a	seed
	Saponaria officinalis	Soapwort	Seed	n/a	n/a	n/a	5	n/a	seed
	Echium vulgare	Vipers Bugloss	Seed	n/a	n/a	n/a	3	n/a	seed
	Achillea millefolium	Yarrow	Seed	n/a	n/a	n/a	15	n/a	seed
	Symphytum officinale	Comfrey	Seed	n/a	n/a	n/a	2	n/a	seed
	Trifolium species	Clovers	Seed	n/a	n/a	n/a	5	n/a	seed
	Centaurea scabiosa	Greater Knapweed	Seed	n/a	n/a	n/a	7	n/a	seed
	Anemone nemorosa	Wood Anemone	Seed	n/a	n/a	n/a	4	n/a	seed
	Total area: 215m2								

P02	24.06.24	BO	LK	BO
P01	21.03.24	JS	BO	BO
Rev	Date	By	Chkd	Appt

ARUP

8 St Thomas Street
Winchester SO23 9HE
Tel +44 1962 829900
www.arup.com

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	
Arup Job No 251898-00	Rev P02
Name 251898-ARP-XX-XX-DR-L-0003	