

PROPOSED PLANTING SCHEDULE

PROPOSED TREE PLANTING- >5M FROM RAIL TRACKS			Code
Botanical name	Common name	Specification	
<i>Crataegus monogyna</i>	Common hawthorn	Feathered; 5 Breaks; 2x, 250-300, B	Cm
<i>Malus sylvestris</i>	Crab apple	Feathered; 5 Breaks; 2x, 250-300, B	Ms
Trees shall be planted with suitable stakes, ties and guards. Trees to be selected from the above species which follow Network Rail guidance regarding tree species allowed to be planted >5m outside of railway tracks.			

PROPOSED TREE PLANTING- >10M FROM RAIL TRACKS				
Botanical name	Common name	Specification		Code
Alnus glutinosa	Alder	Feathered; 5 Breaks; 2x, 250-300, B		Ag
Sorbus aucuparia	Rowan	Feathered; 5 Breaks; 2x, 250-300, B		Sa
Betula pubescens	Downy birch	Feathered; 5 Breaks; 2x, 250-300, B		Bpu

Trees shall be planted with suitable stakes, ties and guards.

Trees to be selected from the above species which follow Network Rail guidance regarding tree species allowed to be planted >10m inside of railway tracks.

Confirmation required regarding position of any overhead lines before planting the above species.

PROPOSED SCRUB PLANTING >5M FROM RAIL TRACKS			
Botanical name	Common name	Specification	%
<i>Corylus avellana</i>	Hazel	1+1, 60-90, B	10
<i>Crataegus monogyna</i>	Common hawthorn	1+1, 60-90, B	20
<i>Euonymus europaeus</i>	Spindle	1+1, 60-90, B	5
<i>Ligustrum vulgare</i>	Privet	1+1, 60-90, B	5
<i>Malus sylvestris</i>	Crab apple	1+1, 60-90, B	5
<i>Prunus spinosa</i>	Blackthorn	1+1, 60-90, B	20
<i>Rosa canina</i>	Dog Rose	1+1, 60-90, B	5
<i>Sambucus nigra</i>	Elder	1+1, 60-90, B	5
<i>Ulex europaea</i>	Gorse	1+1, 60-90, B	10
<i>Frangula alnus</i>	Alder buckthorn	1+1, 60-90, B	10
<i>Viburnum opulus</i>	Gelder Rose	1+1, 60-90, B	5
To be planted at 1m centres, minor species in groups of 3-7. Plants to be protected with rabbit guards.			

PROPOSED MARGINAL PLANTING		
Botanical name	Common name	Specification
<i>Caltha palustris</i>	Marsh Marigold	9cm pot
<i>Carex nigra</i>	Common sedge	9cm pot
<i>Hard Rush</i>	<i>Juncus inflexus</i> (M)	9cm pot
<i>Soft Rush</i>	<i>Juncus effusus</i> (M)	9cm pot
<i>Carex riparia</i>	Common sedge	9cm pot
<i>Scirpus lacustris</i>	True Bulrush	9cm pot
<i>Iris pseudacorus</i>	Flag Iris	9cm pot
<i>Persicaria bistorta</i>	Common Bistort	9cm pot
Common Bistort	Brooklime	9cm pot
<i>Ranunculus flammula</i> (M)	Lesser spearwort	9cm pot
The following species are suitable for translocation from within the site		
<i>Carex disticha</i>	Brown Sedge	
<i>Lagfia minima</i>	Small Cudweed	
<i>Mentha pulegium</i>	Pennyroyal	
<i>Samolus valerandi</i>	Brookweed	
<i>Sagina nodosa</i>	Knotted Pearlweed	
Marginals to be 1L containers planted in single species groups of 3-7 at a rate 4 per m ²		

PROPOSED OXYGENATOR/FLOATING PLANTING		
Botanical name	Common name	Specification
<i>Ceratophyllum demersum</i>	Hornwort	BR
<i>Callitriche stagnalis</i>	Water starwort	BR
<i>Potamogeton crispus</i>	Curled Pondweed	BR
<i>Stratiotes aloides</i>	Water Soldiers	BR
<i>Nymphaea alba</i>	White Water Lily	9cm pot
<i>Ranunculus aquatilis</i>	Common Water-crowfoot	BR
The following species are suitable for translocation from within the site		
<i>Myriophyllum spicatum</i>	spiked water-milfoil	
<i>Sparganium angustifolium</i>	Floating Bur-reed	
<i>Zannichellia palustris</i>	Horned Pondweed	

SPECIES RICH MEADOW		
NATURESCAPE N12 ACID SOILS MEADOW MIX		
Botanical name	Common name	%
WILDFLOWERS		
<i>Achillea millefolium</i>	Yarrow	2%
<i>Centaurea nigra</i>	Common Knapweed	9%
<i>Digitalis purpurea</i>	Wild Foxglove	6%
<i>Galium verum</i>	Lady's Bedstraw	8%
<i>Hypochaeris radicata</i>	Common Catsear	2%
<i>Leontodon autumnalis</i>	Autumn Hawkbit	3%
<i>Leucanthemum vulgare</i>	Oxeye Daisy	6%
<i>Lotus corniculatus</i>	Birdsfoot Trefoil	5%
<i>Lychnis flos-cuculi</i>	Ragged Robin	4%
<i>Plantago lanceolata</i>	Ribwort Plantain	3%
<i>Potentilla Argentea</i>	Hoary Cinquefoil	0.50%
<i>Primula veris</i>	Cowslip	2%
<i>Ranunculus acris</i>	Meadow Buttercup	8%
<i>Rhinanthus minor</i>	Yellow Rattle	9%
<i>Rumex acetosa</i>	Common Sorrel	5%
<i>Rumex acetosella</i>	Sheep's Sorrel	6.50%
<i>Stachys officinalis</i>	Betony	7%
<i>Succisa pratensis</i>	Devilsbit Scabious	5%
<i>Teucrium scorodonia</i>	Wood Sage	5%
<i>Vicia cracca</i>	Tufted Vetch	4%
20 WILDFLOWER SPECIES		100%
GRASSES		
<i>Agrostis capillaris</i>	Common Bent	4%
<i>Anthoxanthum odoratum</i> (N)	Sweet Vernal Grass	3%
<i>Cynosurus cristatus</i>	Crested Dogtail	11%
<i>Deschampsia flexuosa</i> (N)	Wavy Hairgrass	2%
<i>Festuca Trachyphylla</i>	Hard Fescue	35%
<i>Festuca rubra</i> ssp. <i>litoralis</i>	Slender Creeping Red Fescue	15%
<i>Festuca rubra</i> ssp. <i>rubra</i>	Strong Creeping Red Fescue	15%
<i>Poa pratensis</i>	Smooth Stalked Meadow Grass	15%
8 GRASS SPECIES		100%

PROPOSED EMERGENT PLANTING		
Botanical name	Common name	Specification
<i>Scheuchzeria palustris</i>	Common Club-Rush	9cm pot
<i>Persicaria amphibia</i>	Amphibious Bistort	9cm pot
<i>Phragmites communis</i>	Common Reed	9cm pot
<i>Ranunculus lingua</i>	Greater Spearwort	9cm pot
<i>Sagittaria sagittifolia</i>	Arrowhead	9cm pot
The following species are suitable for translocation from within the site		
<i>Samolus valerandi</i>	Brookweed	
<i>Myriophyllum alterniflorum</i>	Alternate Water - milfoil	
Marginals to be 1L containers planted in single species groups of 3-7 at a rate 4 per m ²		

EMORSGATE EP1 POND EDGE MIXTURE		
WILDFLOWERS		
Botanical name	Common name	%
<i>Carex divulsa ssp divulsa</i>	Grey Sedge	2
<i>Carex pendula</i>	Pendulous Sedge	0.4
<i>Centurea nigra</i>	Common Knapweed	2
<i>Cruciata laevipes</i>	Crosswort	2
<i>Dipsacus fullonum</i>	Wild teasel	0.4
<i>Filipendula ulmaria</i>	Meadowsweet	2
<i>Galium album</i>	Hedge Bedstraw	0.5
<i>Geranium pyreniacum</i>	Hedge Crane's-bill	1
<i>Geum rivale</i>	Water Avens	0.3
<i>Iris pseudacorus</i>	Yellow Iris	2.6
<i>Lycopus europaeus</i>	Gypsywort	0.4
<i>Oenanthe pinnipellioideis</i>	Corky-fruited Water-dropwort	0.2
<i>Prunella vulgaris</i>	Selfheal	0.1
<i>0.5 Rhinanthus minor</i>	Yellow Rattle	
<i>Silene dioica</i>	Red Campion	2.6
<i>Silene flos-cuculi</i>	Ragged Robin	3.0
		20
GRASSES		
<i>Agrostis capillaris</i>	Common Bent (w)	2
<i>Anthoxanthum odoratum</i>	Sweet Vernal-grass (w)	2
<i>Bryza media</i>	Quaking Grass (w)	4
<i>Cynosurus cristatus</i>	Crested Dogtail	48
<i>Deschampsia cespitosa</i>	Tufted Hair-grass (w)	2
<i>Festuca rubra</i>	Red Fescue	22
		80

EMORSGATE EM8 MEADOW MIXTURE FOR WETLANDS		
WILD FLOWERS		
Botanical name	Common name	%
<i>Achillea millefolium</i>	Yarrow	0.2
<i>Achillea ptarmica</i>	Sneezewort	0.2
<i>Betonica officinalis</i> - (<i>Stachys officinalis</i>)	Betony	1
<i>Centaurea nigra</i>	Common Knapweed	2.5
<i>Filipendula ulmaria</i>	Meadowsweet	2
<i>Galium verum</i>	Lady's Bedstraw	2
<i>Leontodon hispidus</i>	Rough Hawkbit	0.5
<i>Leucanthemum vulgare</i>	Oxeye Daisy	0.5
<i>Lotus corniculatus</i>	Birdsfoot trefoil	0.7
<i>Lotus pedunculatus</i>	Greater Birdsfoot Trefoil	0.5
<i>Plantago lanceolata</i>	Ribwort Plantain	1
<i>Primula veris</i>	Cowslip	1
<i>Prunella vulgaris</i>	Selfheal	1.5
<i>Ranunculus acris</i>	Meadow Buttercup	2
<i>Rhinanthus minor</i>	Yellow Rattle	1.5
<i>Sanguisorba officinalis</i>	Great Burnet	1.5
<i>Silvaum silaus</i>	Pepper Saxifrage	0.5
<i>Silene flos-cuculi</i> - (<i>Lychnis flos-cuculi</i>)	Ragged Robin	0.4
<i>Succisa pratensis</i>	Devil's-bit Scabious	0.5
		20
GRASSES		
<i>Agrostis capillaris</i>	Common Bent	10
<i>Alopecurus pratensis</i>	Meadow Foxtail (w)	1
<i>Anthoxanthum odoratum</i>	Sweet Vernal-grass (w)	3
<i>Briza media</i>	Quaking Grass (w)	2
<i>Cynosurus cristatus</i>	Crested Dogstail	32
<i>Deschampsia cespitosa</i>	Tufted Hair-grass (w)	1
<i>Festuca rubra</i>	Red Fescue (w)	24
<i>Hordeum secalinum</i>	Meadow Barley (w)	1
<i>Schedonorus pratensis</i> - (<i>Festuca pratensis</i>)	Meadow Fescue (w)	6
		80

B5 MARSHY GRASSLANDS		
GRASSES/WILDFLOWERS		
Botanical name	Common name	%
<i>Molinia caerulea</i>	Purple moor grass	25
<i>Juncus articulatus</i>	Jointed rush	5
<i>Juncus effusus</i>	Common rush bogs	10
<i>Juncus inflexus</i>	Hard rush grass	5
<i>Carex divulsa</i>	Grey sedge	5
<i>Carex echinate</i>	Star sedge	5
<i>Filipendula ulmaria</i>	Meadowswee	10
<i>Cynosurus cristatus</i>	Crested dog's-tail	5
<i>Caltha palustris</i>	Marsh-marigold	5
<i>Eupatorium cannabinum</i>	Holy rope	5
<i>Silene dioica</i>	Red campion	5
<i>Silene flos-cuculi</i>	Ragged robin	5
<i>Galium album</i>	Erect bedstraw	5
<i>Ranunculus acris</i>	Meadow Buttercup	2.5
<i>Geum rivale</i>	Water avens	2.5
		100

	SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION										Drawing Status	FOR PLANNING	Suitability	S0	Project Title					GLOBAL CENTRE OF RAIL EXCELLENCE								
	In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following:										WALTERS						Drawing Title					WASHERIES PLANTING SCHEDULE						
	CONSTRUCTION																											
	N/A																											
	MAINTENANCE/CLEANING										Client			GCRE			Scale	NTS	Drawn	JS	Checked	DB	Approved	DB	Authorised	RL		
	N/A																Original Size	A1	Date	24/05/24	Date	24/05/24	Date	24/05/24	Date	24/05/24	Date	24/05/24
	DECOMMISSIONING/DEMOLITION																Drawing Number					Revision						
	N/A										Global Centre of Rail Excellence Canolfan Fyd-Eang Rhagoriaeth Rheilffyrdd					GCRE001-AWJV-XX-XX-DR-YL-00013					P01							
	It is assumed that all works will be carried out by a competent contractor working, where appropriate, to an approved method statement			P01	24/05/24	FOR PLANNING			JS	DB																RL		
	Rev.	Date	Description			By	Chk'd	App'd																				