

rataegus monogyna H	Nestern red cedar 'Emerald Giant Hawthorn	10-12cm st	H2m RB or 451 10-12cm standard tree	
orylus avellana H	Hazel	H 1.6 mults		
			Total	
SHRUBS: Impleme	ntation Phase			
Botanical Name	Common Name	Size	Quantity	
Frangula alnus	Box elder	21	46	
Dryopteris filis-mas	Male Fern	31	38	
Cornus sanguinia	Red dogwood	31	84	
Asplenium scolodend	rium Hart's tongue fern	21	63	
Sambucus nigra	Elderberry	21	44	
Arythium felix-femina	Lady fern	31	54	
Viburnum tinus	Viburnum	31	40	

NOTE. All plant material shall be of local provenance, where available. UK Provenance Zone 303. Where practicable, locally-collected seed or vegetative material should be

TOTAL AREA SEEDED FOR THIS PHASE

Botanical Name	Common Name	Percentage
All: 1 de la		4
Alliaria petiolata	Garlic Mustard	1
Anthriscus sylvestris	Cow Parsley	0.5
Carex divulsa ssp divulsa	Grey Sedge	2
Carex pendula	Pendulous sedge	0.1
Chaerophyllum temulum	Rough Chervil	4
Digitalis purpurea	Foxglove	1
Filipendula ulmaria	Meadowsweet	1.1
Galium album	Hedge Bedstraw	0.5
Geranium pyreniacum	Hedge Crane's Bill	2
Geum urbanum	Wood avens	0.8
Hyacinthoides non-scripta	Bluebell	1
Silene dioica	Red Campion	5
Silene flos-cuculi	Ragged Robin	1
Agrostis capillaris	Common Bent	1
Anthoxanthum odoratum	Sweet Vernal Grass	2
Brachypodium sylvaticum	False Brome	1
Cynosurus cristatus	Crested Dosgtail	50
Deschampsia cespitosa	Tufted Hari Grass	2
Festuca rubra	Red Fescue	20

TOTAL AREA SEEDED FOR THIS PHASE

EMORSGATE EH33 UPLAND MEADOW MIXTURE

Botanical Name	Common Name	Percentage
Crepis capillaris	Smooth Hawk's-beard	1
Euphrasia officinalis	Eyebright	1
Hypocharis radicata	Catsear	4
Medicago lupulina	Black Medic	2
Leontedon hispidus	Rough Hawkbit	1
Lotus corniculatus	Birdsfoot Trefoil	1
Plantago lanceolata	Ribwort Plantain	18
Prunella vulgaris	Selfheal	1
Ranunculus acris p	Meadow Buttercup	10
Rhinanthus minor	Yello Rattle	8
Trifolium pratense	Wild Red Clover	4
Agrostis capilaris	Common Bent	5
Anthoxanthum odoratum	Sweet Vernal-Grass	20
Cynosurus cristatus	Crested Dogs-tail	17
Dactylis glomerata	Cocksfoot	5
Festuca rubra	Red Fescue	2
	TOTAL PERCENT	100

Bat & Bird Boxes 2 no. Vivaro Pro Woodstone Bat Box

2 no. 1B Schwegler Nest Box (32mm hole)

19/10/2023 P03 Revision made in response to NRW feedback 05/10/2023 P02 Revision of Red Line Boundary 04/09/2023 P01 Final revisions and plant details

> West Coast Arboriculture & Land Planning Ltd Unit 5 Griffiths Crossing Ind. Estate Griffiths Crossing LL55 1TS

land planning Itd

Blaen Cefn Landscape Restoration Strategy

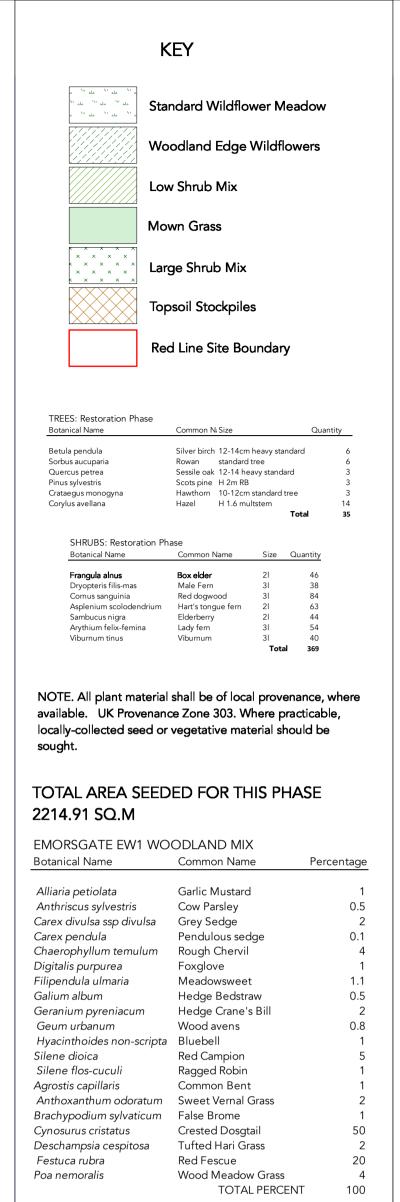
Landscaping Plan: Implementation Phase

C0233-HUK-GES-CG-DR-X-0002

WAL_23_052 Blaen Cefn Restoration Plan 02.11.23.vwx

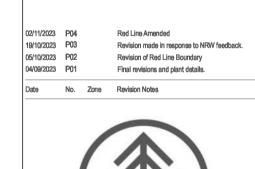
S1 SHARED - SUITABLE FOR COORDINATION

Wildflower Management Advice Site Restoration Details This current plan prescribes how the Bla'en Cefn site is to be restored following the removal of the project infrastructure, Provided by Emorsgate Seeds. The recommended seed supplier for this project. described on sheet 1. The original, broad configuration of the site is to be maintained, such that the owners retain access to the Ground Preparation: Select ground that is not highly fertile, and does not have a problem with perennial weeds. Remove any existing vegetation area, further to the management of the wider leisure site. This includes the maintenance of an access track width which allows by repeated cultivation or turf stripping. Then plough, surface cultivate or dig to bring up clean soil, harrow or rake to produce a medium tilth, and room for tractors and trailers to navigate. Crucially, the maintenance of a clearaccess track, ensures that vehicles do not stray roll or tread to produce a firm surface. Aim to produce a firm, weed free, medium tilth, seed-bed. Sowing Rate: Sow at 4g/m2 in a landscaping or onto the seeded meadow areas proposed. Soil compaction to carefully cultivated and seeded soils can be extremely damaging garden setting. A reduced rate of around 2g/m2 may be used in an agricultural setting or on large areas. and is difficult to remedy. Sowing: Sow in the autumn or the spring, or at any other time of the year if the ground conditions are good. Divide the quantity of seed and sow half in one direction over the entire area and the remainder across the whole area in the other direction. The seed must be sown on the surface Transition to Restoration and can be applied by seed drill, seed fiddle, or broadcast by hand. Do not incorporate or cover the seed, but firm in with a roll, or by treading, As stated on the previous sheet, an objective of the demobilisation of the accommodation phase will be to preserve as much of to give good seed/soil contact. the temporary landscaping as is practicable. This will involve the judicious fencing-off of as much ofthe meadow areas as possible, protected existing and planted tree from damage during operations, and lifting and translocating the majoroty of the Aftercare: Most of the sown meadow species are perennial and are slow to establish. Soon after sowing there will be a flush of annual weeds, plants nto the revised configuration. The net effect of this will be that the restoration phase will be more of an extension of the arising from the soil seed bank. These weeds can look unsightly, but they will offer shelter to the sown seedlings, are great for bugs, and they will primary work, than starting again from scratch. die before the year is out. So resist cutting the annual weeds until mid to late summer, especially if the mixture contains Yellow Rattle, or has been sown with a nurse of cornfield annuals. Then cut, remove and compost. Early August is a good time. This will reveal the young meadow, which can then be kept short by grazing or mowing through to the end of March of the following year. Management & Maintenance A consistent characteristic of perennial wildflower meadows, is that they require diligent and well-directed maintenance in order In the second growing season, and each year thereafter, leave the meadow uncut and un-grazed from the end of March to mid-summer, allowing to thrive. Carefully-targeted weed control and mowing is essential to limit the growth of grass and pernicious weeds, in order to the sown species to flower in June and July. After flowering, cut and remove the vegetation. This may be taken off as hay, or cut and stacked encourage the appearance of forbs (flowering plants). Depending on when the site is ready for restoration, an autumn or spring nearby to rot. The meadow may then be kept mown or grazed through to the end of March in the following year. Moderate winter poaching is sowing into well-prepared soil of reduced fertility (fertile stored topsoil can be used for mown grass or amenity areas) would be beneficial. Flowering in the second growing season will be very good, and as the years go by, and with good management, species diversity will optimum. The emerging plants may be the subject of an early cut (March of year one), but then should generally need only be cut in late summer, and the cuttings removed. Some of this wildflower hay may be dried and re-dressed into the meadow where coverage is bare. Please see the excerpt in the bottom-right of this sheet from Emorsgate seeds for further, general wildflower Cutting date can be varied from year to year, bringing it forward to early July if the meadow becomes rank, or taking a later cut in early August if establishment advice. the structure is good. Perennial weeds can be controlled by selective scything or topping. Cut perennial weeds at flowering and before seed set. **Biodiversity** The biodiveristy objectives for the site are to be placed in the context of it remaining a functional utility area for the owners. The provision of sufficient working space will ensure that the Bla'en Cefn caravan site continues to function well, while allocating previously low-biodiversity spaces to landscapes of far greater biodiversity value. Additionally, the institution of regimes of 1-2 meadow cuts versus 15-20 grass cuts per year amounts to signifiant carbon savings, which aggregate year-on-year for as long as this low-carbon approach is maintained. rub & Herbaceous Area 1-3:38.08 sq m — Common male fam-48-1 P/sq mRed-bankad Dogwood-48-1 P/sq mHart's tongue fam-48-1 P/sq mHady fam-48-1 P/sq mLady fam-48-1 P/sq mViburnum-48-1 P/sq mAlder Buckthom-48-1 P/sq m-**Overall Site Extents** Scale 1:3,500 **Restoration Limits** Accommodation Area ${\scriptstyle \diagup}$



TOTAL AREA SEEDED FOR THIS PHASE 1070.12 SQ.M

EMORSGATE EH33 UPLAND MEADOW MIXTURE **Botanical Name** Common Name Percentage Smooth Hawk's-beard Crepis capillaris Euphrasia officinalis Eyebright Hypocharis radicata Black Medic Medicago lupulina Rough Hawkbit Leontedon hispidus Birdsfoot Trefoil Lotus corniculatus Plantago lanceolata Ribwort Plantain Selfheal Prunella vulgaris Meadow Buttercup Ranunculus acris p Rhinanthus minor Trifolium pratense Wild Red Clover Common Bent Agrostis capilaris Anthoxanthum odoratum Sweet Vernal-Grass Cynosurus cristatus Crested Dogs-tail Dactylis glomerata Cocksfoot Red Fescue Festuca rubra TOTAL PERCENT 100





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Blaen Cefn Landscape Restoration Strategy

Landscaping Plan: Restoration Phase

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