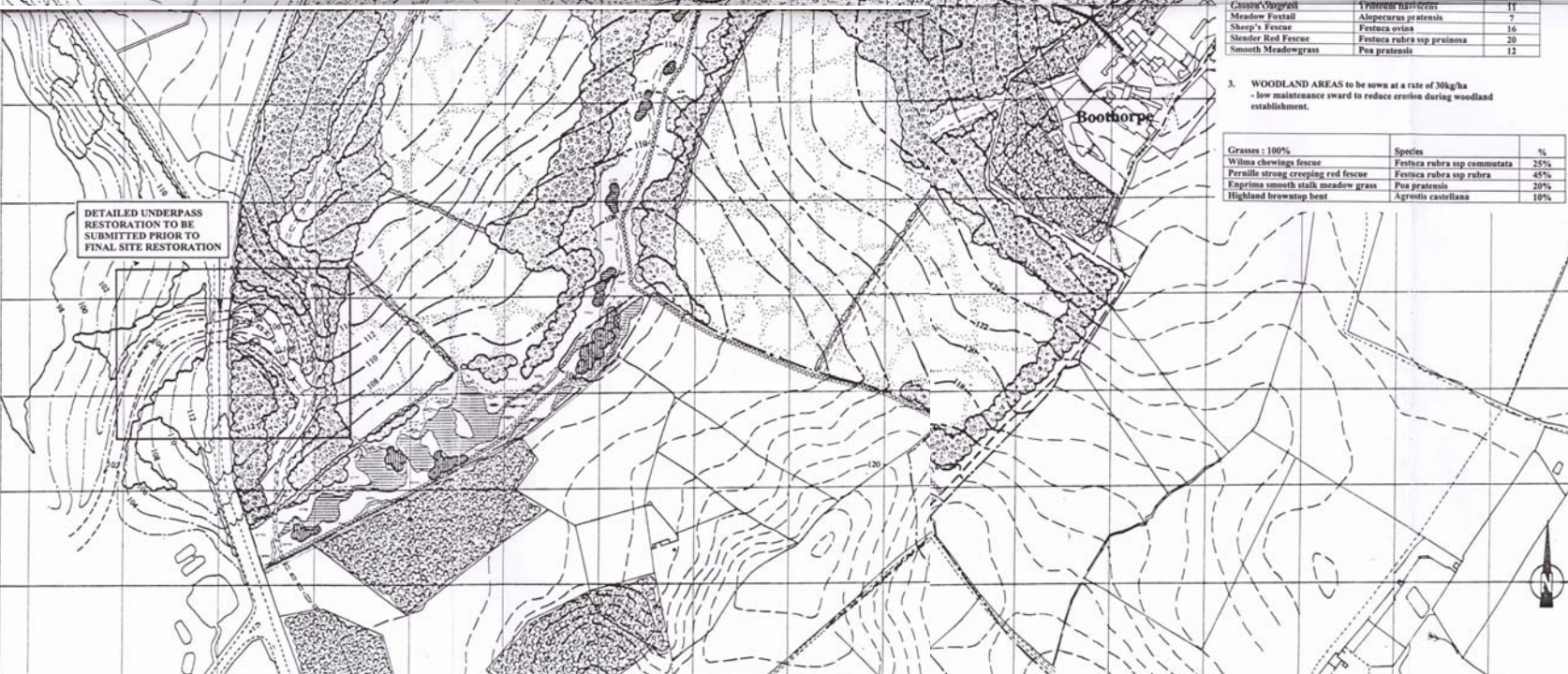


PLANTING SCHEDULE			
Code	Description	No.	% Spacing
<b>Central Woodland Core Planting</b>			
Ag	Alnus glutinosa	5075	40
Fr	Fraxinus excelsior	5075	40
Qc	Quercus robur	650	5
La	Larix laricina	650	5
Tr	Tilia cordata	650	5
<b>Peripheral Woodland Planting</b>			
Ag	Alnus glutinosa	33,760	40
Fr	Fraxinus excelsior	33,760	40
Qc	Quercus robur	4,220	5
La	Larix laricina	4,220	5
Ma	Malus sylvestris	4,220	5
<b>Copse Planting</b>			
Ag	Alnus glutinosa	300	40
Fr	Fraxinus excelsior	300	40
Qc	Quercus robur	150	20
La	Larix laricina	150	20
Ma	Malus sylvestris	150	20
Ag	Alnus glutinosa	150	20
<b>Wet Woodland</b>			
Ag	Alnus glutinosa	230	40
Fr	Fraxinus excelsior	230	40
Qc	Quercus robur	230	40
La	Larix laricina	115	20
<b>Shrub + Edge Species</b>			
Ac	Acer campestre	367	30
Co	Corylus avellana	185	15
Cr	Crataegus monogyna	610	5
La	Larix laricina	367	30
Pr	Prunus spinosa	925	7.5
Rc	Rosa canina	610	5
Rc	Rosa canina	305	2.5
Sa	Sambucus nigra	610	5
<b>Hedgerows</b>			
Ac	Acer campestre	390	10
Co	Corylus avellana	625	5
Cr	Crataegus monogyna	4,765	70
Pr	Prunus spinosa	390	10
La	Larix laricina	625	5
<b>Hedgerow Trees</b>			
Qc	Quercus robur	70	50
Fr	Fraxinus excelsior	70	50



**GRASSLAND**

1. CONSERVATION GRASSLAND to be sown at a rate of 30kg/ha equivalent mix to 'Old Meadow' NVC classification MGS

Common Name	Species	%
Wild Flowers: 1 Part 5%		
Birdfoot Trefoil	Lotus corniculatus	5
Black Medick	Medicago lupulina	4
Black Knopweed	Centaurea nigra	12
Meadow Buttercup	Ranunculus acris	12
Ox Eye Daisy	Leucanthemum vulgare	12
Common Vetch	Vicia sativa	5
Red Clover	Trifolium pratense	5
Ribwort Plantain	Plantago lanceolata	15
White Campion	Silene alba	12
White Clover	Trifolium repens	5
Self Heal	Prunella vulgaris	10
Yarrow	Achillea millefolium	3

Grasses: 19 Parts 95%

Common Name	Species	%
Brown-top Bent	Agrostis castellana	7
Red Fescue	Festuca rubra	17.8
Frosted Dogtail	Cynosurus cristatus	21
Meadow Fescue	Festuca pratensis	28.5
Smooth Stalk Meadow Grass	Poa pratensis	25
Yorkshire Fog	Holcus lanatus	1

2. WILDFLOWER GRASSLAND to be sown at a rate of 30kg/ha - Equivalent mix to NVC classification NG4.

Common Name	Species	%
Wild Flowers: 1 Part 20%		
Astragalus Hawkbit	Astragalus patens	2
Betony	Stachys officinalis	5
Birdfoot	Lotus corniculatus	5
Black Knopweed	Centaurea nigra	10
Dark Mollie	Verbascum thapsus	1
Goatshead	Tragopogon pratensis	4
Greater Burnet Safradge	Asperula maculata	7
Meadow Buttercup	Ranunculus acris	10
Meadow Cranesbill	Geranium pratense	4
Meadow Vetchling	Lathyrus pratensis	2
Ox-eye Daisy	Leucanthemum vulgare	6
Selfheal	Prunella vulgaris	14
Sorrel	Rumex acetosa	4
Tufted Vetch	Vicia cracca	12
Wild Red Clover	Trifolium pratense	3
Yarrow	Achillea millefolium	8
Yellow Rattle	Rhinanthus minor	8

Grasses: 4 Parts 80%

Common Name	Species	%
Brown-top Bentgrass	Agrostis capillaris	5
Chewing Fescue	Festuca rubra ssp. commutata	13
Common Dogtail	Cynosurus cristatus	11
Meadow Foxtail	Alopecurus pratensis	7
Sheep's Fescue	Festuca ovina	16
Slender Red Fescue	Festuca rubra ssp. pratensis	20
Smooth Meadowgrass	Poa pratensis	12

3. WOODLAND AREAS to be sown at a rate of 30kg/ha - low maintenance sward to reduce erosion during woodland establishment.

Grasses: 100%

Common Name	Species	%
Wains creeping fescue	Festuca rubra ssp. commutata	25%
Persille strong creeping red fescue	Festuca rubra ssp. rubra	45%
Engrish smooth stalk meadow grass	Poa pratensis	20%
Highland brown-top bent	Agrostis castellana	10%

- Legend**
- Woodland planting
  - Shrub and edge species planting
  - Conservation grassland
  - Wet wildflower grassland
  - Marshland
  - Woodland core
  - Copse planting
  - Wet woodland
  - New hedgerows

**Surface Cultivation and Seeding Specification**

- On completion of the coaling operation the site, outside the landfill area, is to be backfilled to formation level, i.e. 1 metre below proposed restoration contours and surface graded to reflect the final profile. The surface above the landfill is to be covered with a minimum of 1.5 metres of soil forming material above the cap.
- Soil depths and types will vary according to the agreed after-use of each area of the site. All the woodland areas are to be spread with 400mm of uncompacted overburden and 600mm of lower subsoils from store or directly placed from a current soil stripping operation where appropriate. The main conservation grassland areas are to be spread with 300mm of uncompacted overburden, 300mm of lower subsoil and 400mm of topsoil from store. The wildflower grassland and marshland will be spread with 400mm of uncompacted overburden and 400mm of upper subsoil, additional 500mm depth of uncompacted overburden beneath this profile.
- The replaced soils are to be sampled and analysed for pH, organic content and nutrient status to determine the need for lime, etc., and to determine the most suitable seed mixes. As the site is to be restored primarily for nature conservation, it may not be necessary to incorporate fertilizer during the cultivation works.
- All soil handling, ripping, cultivation and seeding works shall be in accordance with the Specification submitted for Mires Pottery, or other such Specification as may be agreed with the Mineral Planning Authority. All ripping will be undertaken to ensure that each operation rips through into the layer below to a depth of 200mm, to a maximum depth of 1.2 metres. The top metre of woodland sites will therefore be ripped to 600 mm through the overburden and 800 mm (or two overlapping 500mm rips) through the lower subsoils. The conservation grassland will be ripped to 500 mm through the overburden, 500 mm through the lower subsoil and 600 mm through the topsoil. The marshland will be ripped as for the woodland profiles.
- Once surface cultivation and analysis has been undertaken the restored land will be seeded and/or planted in accordance with the agreed plans. Subject to the results of the soils analysis the mixes shown left will be applied.
- All the planting areas are to be match planted with bare rooted transplant stock 40-60cm high unless otherwise agreed with the Mineral Planning Authority, so the mixes shown in the Planting Schedule above. Trees are to be protected with spiral plastic rabbit guards or rabbit proof fencing as appropriate.
- The aftercare scheme for the restored land is to be subject to a separate submission following approval of this restoration scheme, in accordance with Condition No. 102.

Rev A Tree planting areas and specifications expanded - June 00

**NEW ALBION REVISED**

**Albion Restoration Specifications**

SCALE 1:2500	DATE Apr 2000	DRAWING NUMBER
DRAWN SLP/jb	BPA REF A5a/3	<b>BPA/15A</b>

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