

PLANTING SCHEDULE												Programme of Implementation			
TREES	SIZE	NOTES	New Woodland approx %	Advance	Restoration	New Hawthorn Scrub approx %	Restoration	New Gorse Scrub approx %	Restoration	New Hedge approx %	Advance east of site	Restoration NE site	Total	To be carried out in November-March planting season for bare root stock. Prior to planting, any areas of compaction to be broken up to a depth of 450mm. Trees and shrubs to be notch planted.	
			Area - m2			Area - m2		Area - m2		Length				Maintenance	
<i>Acer campestre</i> (Field Maple)	0.45-0.6m 1/s		4	49	89					10	540	165	1,045	All planting to be maintained to create a 1.0m diameter circle around each tree and shrub during the five year aftercare period, or until canopies close. This will permit rapid establishment.	
<i>Betula pendula</i> (Silver Birch)	0.35-0.4m c/g	Woodland (75% area) to be planted at 2.5m c/s	10	123	222								545	Two maintenance visits will be carried out per year during the aftercare period, one in spring and one in early summer. Visits will include weed control (including noxious weeds), litter removal and checking and firming up tree shelters.	
<i>Betula pubescens</i> (Downy Birch)	0.35-0.4m c/g	Scrub (50% area) at 2.0m c/s	2	25	44								69	Any plants dying during the five-year aftercare period will be replaced with a size and species to be agreed with the Mineral Planning Authority to maintain 100% stocking rate during the aftercare period and to achieve a minimum 95% stocking rate (to allow for expected plant growth)	
<i>Carpinus betulus</i> (Hornbeam)	0.45-0.6m 1/s		1	12	22								34	Any plants loosened by frost or wind will be firmed up and any damaged branches will be removed using a sharp pruning knife. At the end of the aftercare period, or before, should growth warrant it, tree shelters will be removed from the planting.	
<i>Malus sylvestris</i> (Crab Apple)	0.35-0.45m 1/s												82		
<i>Prunus avium</i> (Wild Cherry)	0.45-0.6m 1/s	Tuber tree shelters	2	25	44					8	270		331		
<i>Quercus robur</i> (Pedunculate Oak)	0.35-0.45m 1/s	c/g denotes call	45	554	1,000					2	108		1,906		
<i>Sorbus aucuparia</i> (Rowan)	0.45-0.6m 1/s	grown stock	6	74	133								412		
<i>Sorbus torminalis</i> (Wild Service Tree)	0.45-0.6m 1/s		2	25	44								69		
TOTAL TREES			72	887	1,598					200	22	1,188	362		
TOTAL TREES & SHRUBS			100	1,232	2,218					100	5,400	1,650	18,575		

Revisions	
Date	6 Nov 2023
Scale(s) @A1	1 : 2,500
Chkd	
Site Ref.	

Company	CEMEX UK Operations Limited
Site	HAMBLE AIRFIELD
Project	SAND AND GRAVEL EXTRACTION
Title	CONCEPT RESTORATION PLAN
Drawing No.	21-08-HAMB-1717-P1-REST Rev B



Broad Habitat Type	HABITAT TYPE	HABITAT POST RESTORATION (ha)
Woodland and forest	Other Woodland (Broadleaved) retained woodland areas	0.480
	Other Woodland (Broadleaved) - restoration planting	2.870
Heathland and shrub	Existing Scrub	4.380
Heathland and shrub	Gorse Scrub and Hawthorn Scrub	6.460
Grassland	Other Lowland Acid Grassland	36.740
Grassland	Other Lowland Acid Grassland - Enhancement to unworked margins	6.390
Grassland	Other Neutral Grassland	1.840
Lakes	Temporary lakes, ponds and pools	0.800
Urban	Bare Ground - Site Access	0.080
AREA TOTAL:		60.040
Individual Trees	Individual Trees	0.450
		HABITAT POST RESTORATION (linear km)
Hedgerow	New Native Species Rich Hedgerow	1.019
Hedgerow	Enhancement of Native Species Rich Hedgerow with trees	0.180
Hedgerow	Enhancement of Native Species Rich Hedgerow with trees	0.550

KEY :

- APPLICATION BOUNDARY
- EXISTING VEGETATION - Trees, Scrub and Grassland
- PROPOSED CONTOURS m.A.O.D (1.0m INTERVALS)
- EXISTING Public Right of Way
- Undesignated Footpath Link
- PROPOSED PERMISSIVE PATH - grassed surface
- PROPOSED DRAINAGE INFILTRATION ZONE (Trench backfilled with permeable material or infiltration basin - refer to SWD strategy)
- DENOTES UNWORKED BUFFER - SCRUB AND GRASSLAND RETAINED AND MANAGED DURING THE OPERATIONAL PHASE; SOURCE FOR NATURAL RECOLONISATION OF ADJACENT GRASSLAND AREAS
- FOOTPATH CORRIDOR - EXISTING AND NEW HEDGEROW WITH WILDFLOWER GROUND FLORA RETAINED AND EXTENDED BY NATURAL COLONISATION
- RESTORED ACID GRASSLAND HABITAT OF MODERATE BOTANICAL VALUE created by a combination of natural plant colonisation, hay strewing and wildflower seeding, and managed via annual livestock grazing and mowing
- NORTH-EASTERN PARKLAND FOR COMMUNITY ACCESS: Restored Acid Grassland habitat of moderate botanical value created by a combination of natural plant colonisation, hay strewing and wildflower seeding, and managed via annual mowing
- WOOD EDGE / DRY HEATH SHRUB SCRUB - Mix 1: Hawthorn (incl other species eg: Blackthorn, Holly (H), Mix 2: Gorse (incl other species eg: Broom; to deter access, to direct path users. Planted as small 10-100m² clumps within designated areas to give an overall 50% cover
- WOODLAND and WOOD EDGE - Broadleaved; Planted as medium 100-1000m² clumps within designated areas to give an overall 75% cover
- EPHEMERAL SHALLOW POND (UP TO 1.5-2.0m) For surface water drainage - periodically dry. Marginal vegetation to establish by natural colonisation, seeding and plug planting
- MARSHY GRASSLAND / POND-EDGE VEGETATION: Microtopography - Localised Scrapes and Shallows +/- 0.3-1.0m to create additional habitat

Note: Mixes are for the whole restoration area; proportions for individual blocks can be varied on site

CA denotes species for Climate Resilience within Planting Areas. A denotes Climate Resilience species for Additional or Alternative. Final mixes to be confirmed in detail prior to phase restoration planting

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6 Pedunculate Oak (*Quercus robur*) regular standard (8-10) will be planted within the north-eastern part of the site (outside of the pipeline corridors), as replacements for the 3 mature trees (identified as T5, T6 and T7) which will be removed as part of the application proposals for the western site access

COMMUNITY ACCESS MEADOW - DRY ACID GRASSLAND; MANAGED BY CUTTING

FOOTPATH LINK TO EXISTING ROW NETWORK THROUGH WOODLAND AND HEDGE WILDFLOWER CORRIDOR RIDE EASTERN BUFFER MARGINS ALSO FOR HABITAT MITIGATION

NEW NATIVE SHRUB HEDGEROW (Hawthorn, Hazel, Blackthorn, Holly, Field Maple) TO LINK EXISTING HEDGEROW WITH PROPOSED NORTHERN WOODLAND

FOOTPATH LINK AS AN ALTERNATIVE TO SACHELL LANE

RETENTION OF REMNANT WOODLAND AND WOOD EDGE BUFFER TO B3397; RESTORATION PLANTING EXTENDED TO REINFORCE APPROACH TO HAMBLE VILLAGE;

Footpath alignment (refer to Traffic and Access Plan)

Archaeology: WW2 Battle HQ Location retained; Advance planting and restoration fencing aligned to avoid area

GRASSLAND CREATION - POTENTIAL EXTENSIVE GRAZING LAND - RE-ESTABLISHING EXISTING GRASSLAND; WITH NEW FIELD EDGE WOODLANDS AND SCRUB BLOCKS HABITAT FOR REPTILES AND GROUND NESTING BIRDS;

RETAINED AND NEW REGENERATION SCRUB BLOCKS TO SCREEN EXISTING PROPERTIES

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NEW NATIVE SHRUB HEDGEROW (Hawthorn, Hazel, Blackthorn, Holly, Field Maple) TO REINFORCE EASTERN BOUNDARY AND TO LINK EXISTING TREES

