



LEGEND

	APPLICATION SITE BOUNDARY		LANDOWNER BOUNDARY		BIRD BOX (x5 no.) (indicative location)
	EXISTING CONTOURS		AREAS AROUND ROCK FACE FOR NATURAL COLONIZATION		BAT BOX (x5no.) (indicative location)
	EXISTING RETAINED HEDGEROWS SUPPLEMENTED BY INFILL PLANTING AS REQUIRED WITHIN SITE		AREAS FOR REGENERATION AROUND WATER BODIES		INVERTEBRATE HOUSING (x5no.) (indicative location)
	NOTABLE BLOCKS OF MATURE HEDGE AND WOODS NEXT TO SITE		WATER BODIES BUFFER MARGINAL EDGE PLANTING		
	EXISTING GAS PIPELINE AND BUFFER ZONE (15m)		WATER BODY		
	EXISTING AGRICULTURAL LANDS WITHIN THE SITE BUT OUTSIDE OF QUARRY'S RESTORED AREA		SAND MARTIN BANKS		
	RETAINED EXISTING SCRUB AND ROUGH GRASSLAND ALONG ENDS OF QUARRY		AREAS AROUND QUARRY FOR NATURAL COLONIZATION		
	PROPOSED HEDGEROW		AREAS ACROSS QUARRY FLOOR REINSTATED TO NATIVE GRASSLAND MEADOW		
	NEW WOODLAND FRAMEWORK FOR SCREENING AND HABITAT ENHANCEMENT		TIMBER POST AND WIRE FENCING		

PLANTING SCHEDULE

Woodland Mix - Boundary Screening Buffer To include species from the following	
Trees - 0.6-0.9m ht. - min 2-3m ctrs	Understorey Shrubs - 60-90cm ht., in random groups of 5-15 no at min 1.5-2m c/c's
<i>Alnus glutinosa</i> - 10% <i>Betula pubescens</i> - 10% <i>Corylus avellana</i> - 5% <i>Eurostymus europaeus</i> - 3% <i>Pinus Sylvestris</i> - 15% <i>Prunus padus</i> - 2% <i>Quercus petraea</i> - 20% <i>Sorbus aucuparia</i> - 5%	<i>Crataegus monogyna</i> - 10% <i>Prunus spinosa</i> - 5% <i>Ilex aquifolium</i> - 5% <i>Rosa canina</i> - 2% <i>Viburnum opulus</i> - 3% <i>Salix aurita</i> - 5%
Wet Woodland Mix - Next to Ponds To include species from the following	
Trees - 0.6-0.9m ht. - planted at min 3m ctrs	Marginal Planting - CG P9 & 2L, in random groups of 5-7 no at 4/sq.m
<i>Alnus glutinosa</i> - 40% <i>Salix alba</i> - 25% <i>Salix cinerea</i> - 25% <i>Salix caprea</i> - 10%	<i>Iris pseudacorus</i> , 20% <i>Juncus effusus</i> , 20% <i>Juncus aciculatus</i> , 20% <i>Candernine pratensis</i> , 10% <i>Filipendula ulmaria</i> , 10% <i>Calltha palustris</i> , 10% <i>Potentilla palustris</i> , 10%
Hedgerow Planting - Along lengths of the new hedgerows and as infill to gaps within existing hedges. Hedgerow Trees - br 120-150cm ht., Hedge - br 60-90cm ht., planted in random groups of 5-15 at 5/1m and double staggered 10-15m c/c's through the hedges	
<i>Malus sylvestris</i> - 20% <i>Pinus Sylvestris</i> - 10% <i>Quercus petraea</i> - 50% <i>Sorbus aucuparia</i> - 20%	<i>Corylus avellana</i> - Hazel - 10% <i>Crataegus monogyna</i> - Hawthorn - 45% <i>Eurostymus europaeus</i> - Spindle - 5% <i>Ilex aquifolium</i> - Holly - 3% <i>Ligustrum vulgare</i> - Privet - 10% <i>Prunus spinosa</i> - Blackthorn - 15% <i>Rosa canina</i> - Dog Rose - 2% <i>Viburnum opulus</i> - Guelder Rose - 10%
Meadow Grassland Mixes: Areas of grassland sown across the quarry floor over an added topsoil layer of 0.3m depth. Selected Native Meadow Grassland mix to contain pollinator friendly rich native wildflowers species which flower at various times. Source of seed mix from an approved Irish grown supplier. e.g. Design By Nature MM12 Wild Flora for Raw improvised sub soil mix with a suitable grass nursery crop of bent and fescue grass species.	
Note: Species assemblages to be agreed with Kildare County Council	

B 23/02/2024 UPDATE LAYOUT
A 22/02/2024 UPDATE LAYOUT AND LEGEND

REV	DATE	AMENDMENT

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PROJECT:	DATE:	FEBRUARY 2024
HUDSON BROTHERS LTD SUBSTITUTE CONSENT -REIAR CO. KILDARE	SCALE:	1:2000 @ A1
DRAWING:	DRAWN:	RF
APPENDIX 11-B CONCEPT RESTORATION PLAN	CHECKED:	JB
	DRAWING NO:	23386-2-101