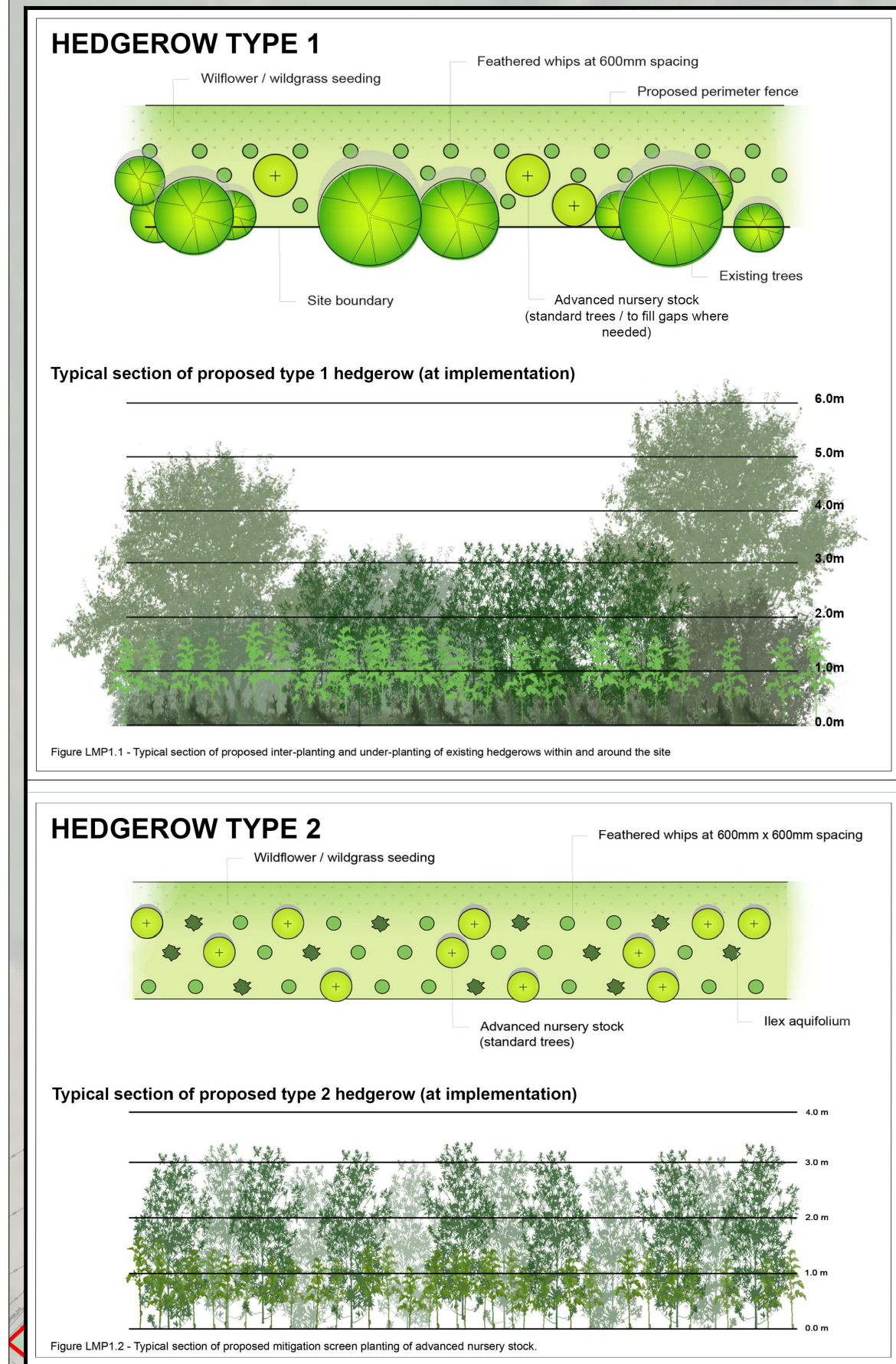




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APPENDIX 12.1

LANDSCAPE MITIGATION PLAN (PROVIDED IN SEPARATE BOOKLET)



NATIVE WOODLAND MIX (19,918sqm) :
High Canopy and Low Canopy species to be planted at 1.5m centres. Shrubs to be planted at 900m centres

Botanical name	Common name	Size	%
High Canopy (Dominants):			
Quercus Robur	Pendunculate Oak	Standard Tree, 200-300cm, bare root	<20%
Pinus sylvestris	Scots Pine	Feathered Trees, 200-300cm, root ball	
Low Canopy (Sub-dominants):			
Alnus glutinosa	Alder	Feathered Trees, 200-300cm, bare root	20-25%
Betula pubescens	Downy Birch	Feathered Trees, 200-300cm, bare root	
Prunus avium	Wild Cherry	90-120cm, bare root	
Understorey and fringe (higher shrubs):			
Prunus Padus	Crab Apple	90-120cm	20-40%
Corylus avellana	Hazel	90-120cm	
Ilex aquifolium	Holly	90-120cm	
Crataegus monogyna	Hawthorn	90-120cm	
Understorey and edge (lower shrubs):			
Prunus spinosa	Blackthorn	40-60cm	15-25%
Rosa-canina	Dog-rose	40-60cm	
Euonymus europaeus	Spindle	40-60cm	

WETLAND MIX (779 sqm):
3 plants per sqm

Botanical name	Common name
Glyceria maxima	Reed sweet-grass
Carex riparia	Common sedge
Typha latifolia	Reed mace
Typha angustifolia	Lesser reedmace
<i>Iris pseudacorus and other similar marginal species</i>	

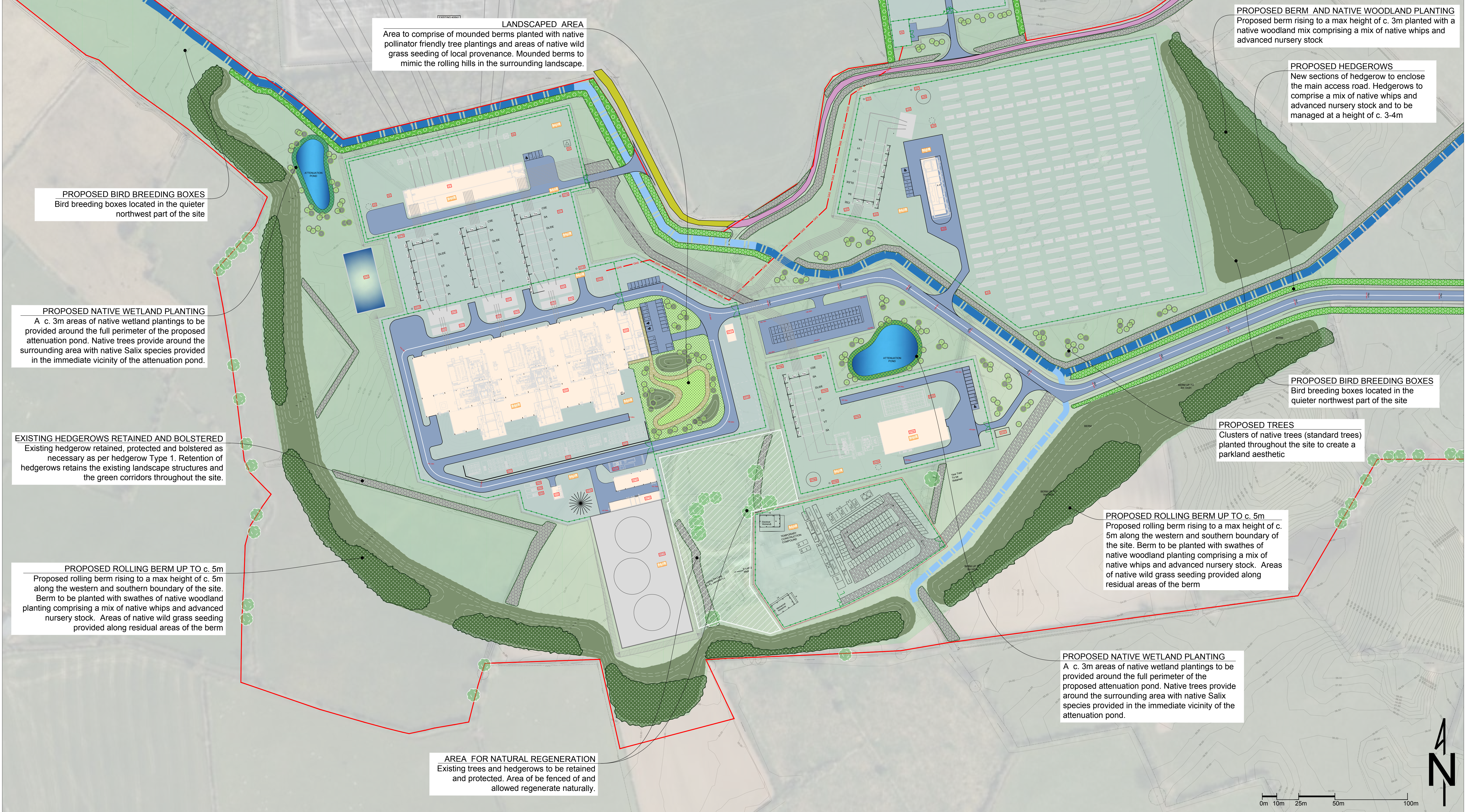
NEW NATIVE HEDGEROW SPECIES (2294 linear m):
EHNACED NATIVE HEDGEROW SPECIES (1832 linear m):
Planted as a triple staggered row at 600mm centres
50% of the primary structure to be planted as 8-10cm g standard trees

Botanical name	Common name	Size	%
Primary structure:			
Crataegus monogyna	Hawthorn	90-120cm / 8-10cm br standard trees	60%
Secondary structure:			
Prunus spinosa	Blackthorn	90-120cm	15%
Ilex aquifolium	Holly	90-120cm	15%
Shrub species structure:			
Rubus fruticosus	Bramble	60-90cm	2.5%
Corylus avellana	Hazel	60-90cm	2.5%
Rosa canina	Dog-rose	60-90cm	2.5%
Euonymus europaeus	Spindle	60-90cm	2.5%

GRASSLAND MANAGEMENT/ POLLINATOR FRIENDLY WILDFLOWER SEEDING * :

Birdfoot Trefoil, Black Meddock, Cowslip, Devil's Bit Scabious, Meadow Buttercup, Field Scabious, Hemp Agrimony, Kidney Vetch, Lady's Bedstraw, Lady's Ann lace, Lesser Knapweed, Meadowsweet, Mullein, Ox-eye Daisy, Purple Loosestrife, Ragged Robin, Red Campion, Red Clover, Ribwort Plantain, Rough Hawkbit, Sorrel, St Johnswort, Wild Angelica, Wild Carrot, Yarrow, Yellow Agrimony, Yellow Rattle, Teasel and more. Also includes 35% annuals: Corn Mangold, Corn Poppy, Corncockle, Cornflower, Scented Mayweed

**It is intended to manage existing grassland on site to promote the growth native wildflower seeding. Where lands have been heavily disturbed and require re-seeding, it is proposed to plant a the native wildflower seed mix.*





Registered Landscape Architect



LEGEND

- EXISTING TREES RETAINED
- PROPOSED BROADLEAF TREES
- PROPOSED CONIFEROUS TREES
- PROPOSED NATIVE WOODLAND MIX
- PROPOSED STREAM RE-ROUTE
- EXISTING HEDGEROW RETAINED AND BOLSTERED (TYPE 1)
- PROPOSED NATIVE HEDGEROW (TYPE 2)
- SPECIES RICH GRASS MIX / GRASSLAND MANAGEMENT
- NATIVE WETLAND PLANTING MIX
- AREA LEFT TO REGENERATE NATURALLY
- SELF BINDING GRAVEL PATH
- SITE BOUNDARY

NOTES

It is imperative to use native Irish species in so far as possible as they are adapted to Irish conditions and therefore more likely to thrive compared to imported stock. Selected species should also represent woodland and hedgerows in the surrounding environs although non-native species are not to be used, unless otherwise agreed with the Planning Authority.

All plants supplied shall be exactly true to name as shown in the plant schedules. Varieties with variegated and/or coloured leaves will not be accepted, and any plant found to be of this type upon leaving-out shall be replaced by the contractor. Bundles of plants shall be marked in conformity with BS3936: Part 1: 1965 and BS3936: part 4: 1966. The nursery supplier shall replace any plants which, on leaving out, are found not to conform to the labels.

REVISIONS:

1.		
2.		
3.		
4.		
5.		
6.		

Prepared by:
MACRO WORKS.

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Site location:
COOLPOWRA, COUNTY GALWAY

Drawing Title:
LANDSCAPE AND BIODIVERSITY MITIGATION PLAN

Project:
COOLPOWRA

Drawn by:
CD

Checked by:
RB

Drawing Ref:
LD.CLPWRA 1.1

Scale:
1:1000 @ A0

Date:
MAY 2024

ISSUED



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APPENDIX 12.2

PHOTOMONTAGES (PROVIDED IN SEPARATE BOOKLET)



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LVIA PHOTOMONTAGES

COOLPOWRA

This book contains imagery for the viewpoints chosen for the LVIA study

May 2024



LVIA | TVIA | Landscape Design | Visibility Analysis | Glint and Glare | Verified Photomontages | CGI | Shadow Flicker Analysis