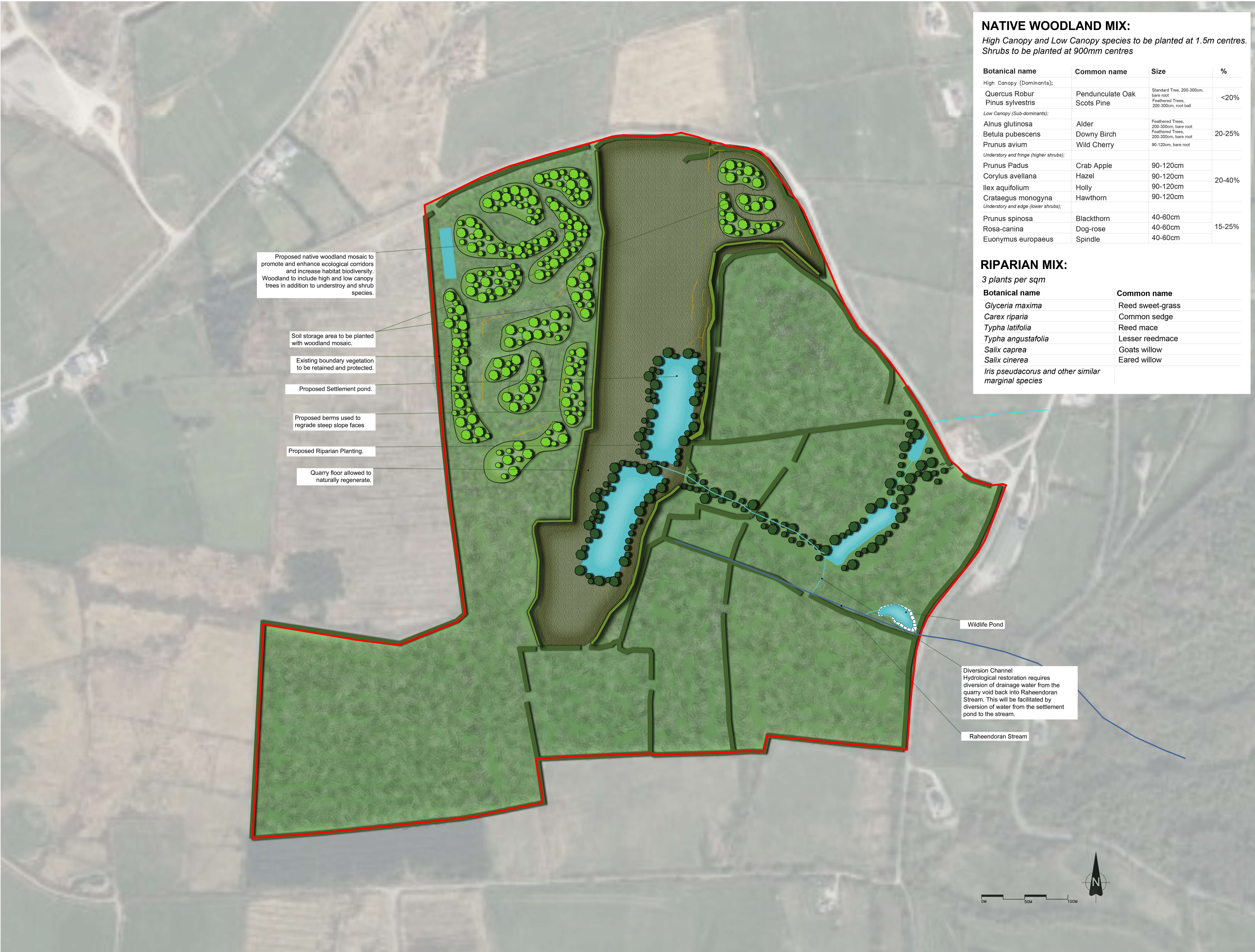


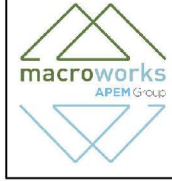


NATIVE WOODLAND MIX:
High Canopy and Low Canopy species to be planted at 1.5m centres. Shrubs to be planted at 900mm centres

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

RIPARIAN MIX:
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
Salix caprea	Goats willow
Salix cinerea	Eared willow
Iris pseudacorus and other similar marginal species	



Legend:

- PROPOSED NATIVE WOODLAND MOSAIC
- EXISTING VEGETATION
- PROPOSED RIPARIAN MIX
- PROPOSED POND
- SITE BOUNDARY
- PROPOSED NATIVE TREES
- PROPOSED WILDFLOWER MEADOW
- PROPOSED BERMS
- QUARRY PIT

Notes:

The function of the propose planting is primarily for the enhancement of biodiversity , but it will also enhance the ecological corridors that area already present within the surrounding trees lines and hedgerows.

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 leafing-out shall be replaced by the contractor. Bundles of plants shall be marked in conformity with BS3936: Part 1: 1985 and BS3936: part 4: 1966. The nursery supplier shall replace any plants which, on leafing out, are found not to conform to the labels.

Hedgerows
Mitigation screen planting shall consist of a mixture of native hedgerow species that are prevalent in the immediate area. Planting of existing hedgerows to consist of feathered whips (of various sizes) and advanced nursery stock (where necessary) in staggered rows at a spacing of 600mm.

All native species will be planted as whips, with the primary and secondary structure species to be of a minimum height of 80-100cm and the other shrub species to be of a minimum height of 40-60cm.

Woodland Mix
Native thicket/woodland mix will consist of high canopy (dominant) species, low canopy (sub-dominant) species, understorey and fringe (higher shrubs) species, and understorey and edge (lower shrub) species. They will comprise a mix of advanced nursery stock and whip planting of local provenance.

Species mix to be finalised in conjunction with the project ecologist.

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Prepared for:
RED ROCK QUARRY

Site location:
COUNTY CARLOW

Drawing Title:
REDROCK QUARRY RESTORATION S177E APPLICATION

Project:
RED ROCK QUARRY

Drawn by:
MMcK

Checked by:
RB

Drawing Ref:
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Scale:
1:2000 @ A1

Date:
DECEMBER 2025

PLANNING