

## Landscape and Restoration Scheme

The proposed landscape and restoration scheme for the inert landfill area at Ballinclare, Co. Wicklow aims at the retention and improvement of existing wildlife habitats, as well as the restoration of the landfill area to a natural habitat, i.e. a native woodland area. This is one of the beneficial afteruses recommended in the EPA Guidelines 'Environmental Management in the Extractive Industry' (2006).

The landscape and restoration works will take place on a phased basis, in conjunction with the phased filling activities.

## Landscape / Restoration Programme

Landscape Phase: to be carried out on commencement of the development

Restoration Phase 1: to be carried out on completion of filling

Restoration Phase 2: to be carried out on completion of filling Phase 2

**Restoration Phase 3:** to be carried out on completion of filling

# Landscape / Restoration Elements:

Retention of Existing Vegetation: All existing screening vegetation along the site boundaries, and most of the internal woodland areas and scrub vegetation will be retained. Please refer to the Tree Management Strategy provided as part of the EIAR for further information on the management proposals. Management of ash dieback: There are a number of individual ash trees / groups of ash affected by as dieback. Any diseased / dead trees will be removed in line with the Tree Management Strategy and the natural re-growth of native trees encouraged.

**Biodiversity Enhancement:** Biodiversity enhancment actions will be carried out in a number of locations, as indicated on the plan above, in line with the Biodiversity Plan provided as part

Planting Preparations: The infill landform will be covered with ca. 350mm of subsoil and 200-300mm of topsoil on completion of each phase of the landfilling/ re-grading works. The spoil material will be sourced from the material imported into the site, which will be stored in temporary stockpiles.

Native Woodland Planting: Once the earthworks are complete, the area will be planted, using a Native woodland planting mix.

### **General Notes:**

Earthworks: All soil handling to be carried out, as per current best practice guidance. Topsoil and subsoil to be handled separately.

Planting General: All proposed species are native and are to be sourced from Irish provenance, where possible. All plant handling, planting and establishment works will be carried out in accordance with current best practice and will take place in the appropriate planting season (e.g. bareroot planting: November to March only) and in favourable weather conditions. The planting will be carried out by a suitably qualified landscape contractor.

Plant establishment: Establishment maintenance will be carried out for 2 years following each stage of the planting works (minimum 3 maintenance visits per year; i.e. spring, summer and autumn). This will include weed control, replacement planting where required and the adjustment/removal of tree ties and spiral guards. Long-term management: The woodland planting establishment will be followed by long-term woodland maintenance, in line with the chosen forestry grant.

# Native woodland planting mix:

The proposed mix and planting details are based on the Native Forest Grants currently available in Ireland provided, as by DAFM (i.e. Forest Type (FT) 1 - Native Forests; Scenario 5: Pioneer Birch Forest). The species mix may be updated to reflect the eligible grants available at the time the planting will be carried out, depending on the ground / soil conditions of the completed fill areas.

To be planted at 2 m centres (i.e. 1 plant/4 m<sup>2</sup> or 2,500 plants / ha; approx. 17 ha in total = 42,500 plants; spread over 4 phases, including the Landscape Phase). Transplants to be planted randomly with no more than 15-20 plants of the same species in one group. The whole site will be enclosed with deer proof fencing. However, the transplants will be individually protected from rabbit/hare grazing by spiral guards.

No.	Plant Name	Common Name	Height (cm)	Age	%		
Transplants/Container Grown Shrubs							
19,125	Betula pubescens	Downy birch	60-90	1+1	45		
2,125	Corylus avellana	Hazel	60-90	1+0	05		
2,125	Ilex aquifolium	Holly	60-80	2Lt	05		
8,500	Pinus sylvestris	Scots pine	60-80	2Lt	20		
6,375	Quercus petraea	Sessile oak	60-90	1+1	15		
4.250	Sorbus aucuparia	Rowan	60-90	1+1	10		

1. AERIAL PHOTOGRAPH (OCTOBER 2023) PROVIDED BY KILSARAN

3. CONTOURS SHOWN ARE INDICATIVE ONLY

### Legenda

Land Interest Boundary (c. 36.0 ha)

lanning Application Area (c. 32.6 ha)



Proposed stormwater drainage channel



Restoration Section Lines - refer to Figures 2-20 and 2-21

(to be carried out on commencement of the proposed development)



All existing boundary vegetation to be retained - refer to 'Tree Management Strategy' for general management proposals



Existing Annex 1 Habitat (oak birch holly woodland), east of ne site entrance, to be protected and retained



Native Woodland Planting (note: existing stand of ash affected by ash dieback to be oved - refer to 'Tree Management Strategy' for more detail)



Approximate locations of proposed Biodiversity Enhancement Measures - refer to legend to the left for the individual



Proposed Deer Fence

(to be carried out in line with restoration programme outlined below left)



Restoration Phase 1-3 Native Woodland Planting



Restoration Phase 2:

Area to be left for natural regeneration to retain access to guarry face for continued nesting by peregrine falcons



Restoration Phase 3:

ICW to be retained as wetland habitat

	Fence Clarification	10/25	CN	AM	DL
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KILSARAN CONCRETE Ballinclare Quarry, Kilbride, Co. Wicklow.

Environmental Impact Assessment Report Materials Recovery / Recycling Facility and Inert Landfill

Proposed Landscape and Restoration Plan

1:3,000			SLR Project No. 065366.00001		
Designed AM	Drawn CN	Checked DL	Authorised DL		
Date 10/25	10/25	Date 10/25	10/25		
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FIGURE 2-4

