



LANDSCAPE AND RESTORATION SCHEME

It is proposed to restore the quarry area to a natural habitat. This is one of the beneficial afteruses recommended in the EPA Guidelines: 'Environmental Management in the Extractive Industry' (2006). All of the existing boundary vegetation will be retained to help minimise the visibility of the proposed development and for ecological reasons.

LANDSCAPE PHASE (to be carried out on commencement of the extraction works):

Topsoil and overburden will be removed from the proposed extension area and used to construct a 10m wide screening berm along the south-western boundary of the extraction area (topsoil and overburden material to be handled separately, with topsoil temporarily stored on site, before placed on the berm as the top layer). All existing mature trees within this area will be retained.

Once completed, a native woodland mix will be planted on top of the berm. This will provide a visual and acoustic screen for locations to the west, as well as partially compensate the loss of existing scrub / woodland vegetation within the site.

RESTORATION PHASE (to be carried out on completion of all extraction works):

All machinery and equipment will be removed from the quarry void, which will then be left to naturally fill with water. The natural rebound level is expected to be around 146m AOD. The final water level will vary throughout the year depending on rainfall levels.

All quarry faces / benches which remain above the water level will be left for natural regeneration. In time the rock will weather and grass and scrub will become established in crevices within the rock, softening the appearance of the quarry face. The quarry face will also provide nesting habitat for birds, such as peregrine falcon. For health and safety reasons, i.e. due to the narrow space and adjoining steep drops, it is not feasible to place soil and carry out planting on the quarry benches.

GENERAL NOTES:

- All plant handling, planting and establishment works to be carried out in accordance with current best practice and to take place in the appropriate planting season (e.g. bareroot planting: November to March only) and in favourable weather conditions.
- All works to be carried out by a suitably qualified landscape contractor.
- Establishment maintenance to be carried out for 2 years following the completion of planting (minimum 3 maintenance visits per year; i.e. spring, summer and autumn). Works to include weed control, replacement planting (where required) and the adjustment/removal of spiral guards.

NATIVE WOODLAND MIX

To be planted at 1.5m centres (i.e. 1 plant/2.25m²; approx. 1,315m² in total = 585 plants). To be planted randomly with no more than 4-6 plants of the same species in one group and to be supplied with spiral guards.

No.	Plant Name	Common Name	Height (cm)	Age	%
<i>Transplants/Container Grown Shrubs</i>					
115	<i>Corylus avellana</i>	Common Hazel	60-90	1+0	20
60	<i>Crataegus monogyna</i>	Hawthorn	60-90	1+1	10
60	<i>Prunus spinosa</i>	Blackthorn	60-90	1+0	10
60	<i>Salix aurita</i>	Eared Willow	60-120	0+1	10
60	<i>Sambucus nigra</i>	Elder	60-90	1+0	10
115	<i>Sorbus aria</i>	Whitebeam	60-90	1+1	20
115	<i>Sorbus aucuparia</i>	Rowan	60-90	1+1	20

NOTES

'Orthomosaic produced from Aerial Photography flown November 2022 by SLR Consulting Ireland (IAA Permit No. 04/2018) www.slrconsulting.com Tel. +353-1-2964667.
Orthomosaic produced using Ground Control Points; Related to Irish Transverse Mercator Coordinate System and OS Malin Head Level Datum.
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LEGEND

- APPLICANTS LAND INTEREST BOUNDARY
- APPLICATION AREA
- HEDGEROWS / TREE LINES / SCRUB TO BE RETAINED
- SCREENING BERM
- NATIVE WOODLAND PLANTING
- QUARRY VOID LEFT TO NATURALLY FILL WITH WATER
- QUARRY FACES AND BENCHES, ABOVE THE WATER LEVEL, TO BE LEFT FOR NATURAL REGENERATION

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ENVIRONMENTAL IMPACT ASSESSMENT REPORT
QUARRY AT MULLYMAGOWAN,
STRADONE, CO. CAVAN
LANDSCAPE AND RESTORATION PLAN

FIGURE 2-4

Scale: 1:2,000 @A3 Date: FEBRUARY 2023