



**LANDSCAPE AND RESTORATION SCHEME**

It is proposed to construct a berm and carry out additional screen planting in a number of locations along the western site boundary, as soon as the extraction works are commenced. This will ensure that the works will be fully screened at all times and will improve the views from a number of locations to the west of the site.

On completion of all extraction works, it is proposed to fill the quarry voids and return the quarry areas to agricultural after-use using imported inert soils and overburden and topsoil stored on site. The final restored levels will be similar to the previous levels, prior to any extraction works taking place. Restoration will take place in a phased manner, as extraction operations cease in a given area and are subject to waste licenses being granted. In order to divide the large sites into smaller compartments, it is proposed to carry out native hedge planting in the location of former boundary lines, as indicated on the plan.

**CULTIVATION, GRASS SEEDING AND ESTABLISHMENT**

Following cessation of landform construction, topsoil and soil forming materials, from storage mounds on site, are to be spread over the areas to be restored to agricultural land to a depth of 20mm. All soil handling to be carried out in accordance with the MAFF Good Practice Guide for Handling Soils.

Prior to sowing, the upper 50mm are to be reduced to a fine tilth and fertiliser to be evenly distributed, as required, and raked in. Cultivated soils to be graded to even falls removing localised low and high points.

An agricultural seed mix suitable for the intended land use is to be used and to be applied at rates as per the manufacturer's instructions. The seed to be used is to be fresh and for use in the season of seeding. A certificate is to be provided in respect of each consignment of seed mix giving the supplier's name, the proportions of constituents of the mixture and a signature of the representative of the supplier.

The contractor shall mix the seed well with bulking agent, e.g. dry sand, in order to assist and even distribution. Mix well before application and frequently during application. Divide the seed into two equal sowings in two transverse directions at the specified rates. After seeding, lightly harrow or rake surface and roll lightly.

When grass is between 40mm and 75mm high, the contractor shall remove debris and all stones and clay balls larger than 40mm in any dimensions and roll the area with a light roller. The area shall be cut to approximately 35mm high. Spot treatment using a selective herbicide shall be applied to pernicious agricultural weeds, such as thistle, docks and ragwort.

**PROPOSED NATIVE WOODLAND SCREEN AND HEDGE PLANTING**

Approximately 3,000 sqm. of woodland screen planting to be carried out. To be planted at 1.5m centres, in same species groups of 20-30. Groups to be randomly spread throughout the planting blocks.

Approximately 4,800 lin.m. of hedge to be planted in total. Hedges to be planted in two staggered rows, with plants within each row 50cm apart (i.e. 4 plants per m) and rows 50cm apart. Feathered trees to be planted at distances of 8-16m and staked. Transplants to be planted randomly in same species groups of 10-20.

Trees shall conform to BS3936 for nursery stock and shall be supplied true to size and species name, as per the table below. All proposed plant species are native and will be sourced locally. Planting to take place between the months of November and March.

All plant handling, planting works and aftercare to be carried out in accordance with the CPSE Recommendations for Plant Handling. Establishment maintenance to be carried out for 12 months following the completion of each planting phase.

**Native Woodland Screen Planting Mix**

No.	Plant Name	Common Name	Height (cm)	Age/Pot Size	%
<i>Transplants</i>					
390	Ainus glutinosa	Common Alder	60-90	1+1	30
260	Corylus avellana	Hazel	60-90	1+0	20
130	Fraxinus excelsior	Ash	60-90	1+1	10
130	Quercus robur	Pedunculate Oak	60-90	1+1	10
390	Sorbus aucuparia	Rowan	60-90	1+1	30

**Native Hedge Planting Mix**

No.	Plant Name	Common Name	Height (cm)	Age/Pot Size	%
<i>Feathered Trees</i>					
190	Fraxinus excelsior	Ash	200-250	2xTR	1
190	Quercus robur	Pedunculate Oak	150-175	2xTR	1
<i>Transplants</i>					
1920	Ainus glutinosa	Common Alder	60-90	1+1	10
4800	Corylus avellana	Hazel	60-90	1+0	25
5380	Crataegus monogyna	Hawthorn	60-90	1+1	28
4800	Prunus spinosa	Blackthorn	60-90	1+0	25
1920	Sorbus aucuparia	Rowan	60-90	1+1	10

**NOTES**

- EXTRACT FROM 1:2,500 ORDNANCE SURVEY DIGITAL SHEET NO'S: 3062-A, 3062-B, 3062-C, 3062-D, 3063-A, 3063-C, 3130-A & 3130-B
- ORDNANCE SURVEY IRELAND LICENCE NO. SU 0000712 (C) ORDNANCE SURVEY & GOVERNMENT OF IRELAND
- TOPOGRAPHIC SURVEY PREPARED BY FUGRO BKS BASED ON MAY 2009 AERIAL PHOTOGRAPHY
- ALSO REFER TO DRAWINGS PLO6 A, B & C AND PLO7 A & B: LANDSCAPE & RESTORATION PLAN AND RESTORATION SECTIONS

**LEGEND**

- ROADSTONE WOOD LTD. LANDHOLDING (c. 211 ha)
- PLANNING APPLICATION AREA (c.167.5 ha)
- EXISTING FEATURES TO BE RETAINED**
- HEDGEROWS AND SCREEN PLANTING BELTS
- WILDLIFE AREAS
- AREA PREVIOUSLY RESTORED UNDER EXISTING WASTE LICENCE PERMIT
- ELECTRICITY LINES CROSSING OVER THE APPLICATION SITE
- PROPOSED LANDSCAPE FEATURES**  
(to be carried out at the beginning of the extraction works)
- PROPOSED SCREENING BERM TO WEST OF WESTERN QUARRY
- PROPOSED WOODLAND SCREEN PLANTING ALONG PARTS OF WESTERN BOUNDARY
- PROPOSED RESTORATION FEATURES**  
(to be carried out on completion of all extraction works)
- PROPOSED RESTORATION CONTOURS
- QUARRY AREAS TO BE INFILLED AND RESTORED TO AGRICULTURAL LAND SUBJECT TO PENDING WASTE LICENCE APPLICATION (REF: W0277-01)
- QUARRY AREAS TO BE INFILLED AND RESTORED TO AGRICULTURAL LAND SUBJECT TO FUTURE WASTE LICENCE APPLICATIONS
- PROCESSING AREA, DISTURBED GROUND & OVERBURDEN AREAS TO BE LEVELED AND RESTORED TO AGRICULTURAL LAND
- PROPOSED HEDGEROWS IN THE APPROXIMATE LOCATIONS OF FORMER BOUNDARY LINES
- RETAINED QUARRY FACE FOR EXISTING PERIGRINE FALCONS ON SITE
- RETAINED QUARRY FACE FOR FUTURE ACCESS TO VIEW TOBER COLLEEN FORMATION OVERLAYING WAULSORTIAN LIMESTONE
- RETAINED INTERNAL ACCESS ROAD TO VIEW QUARRY FACE

**Roadstone WOOD**  
*The Sky is the Limit*

**SLR** SLR CONSULTING IRELAND  
7 DUNDRUM BUSINESS PARK  
WINDY ARBOUR  
DUBLIN 14  
T: +353-1-2964067  
F: +353-1-2964676  
www.slrconsulting.com

**ROADSTONE WOOD LTD.**  
EIS - NON TECHNICAL SUMMARY

CONTINUANCE OF USE  
HUNTSTOWN QUARRY  
NORTH ROAD, FINGLAS, DUBLIN 11

**LANDSCAPING & RESTORATION PLAN**

**FIGURE 4**

Scale 1:5,000 @ A2 Date FEBRUARY 2012

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