



TOPOGRAPHY:	flat scarp/ cliffs	undulating hills	rolling dry valley	steep deep gorge	vertical broad vo	alley	plain narrow valley	rolling lowland wetland glen	plateau drumlin
DOMINANT LAND	COVER AND LANDSC	CAPE ELEMENTS	5:						
BUILT FORM farm buildings masts/ poles pylons bridges commercial industry settlement urban military other	HERITAGE vernacular buildings country house/ estat field systems prehistoric ritual hill top enclosure/ fo eclesiastic war memorial/ battle cemetry coppice other (castle)	te fences hedges tillage arable improve e rough gr	d pasture	LANDCOVER designed park scrub marsh peat bog moor/ heath rough grasslan water meadow grassland species rich gr other	id w	decic conife mixed shelte hedge clump	erow trees erows os/ clusters ed trees Ues	HYDROLOGY river stream resevoir dry valley pond lough drainage ditch canal surface water other	SERVICES motorway primary road secondary road local road track/ lane path/ cycleway railway pylons masts/ poles other

BRIEF DESCRIPTION:

The site sits on an area of raised ground between two tributaries of the Boyne River system and on the Western edge of the Rathmoylan Lowland area. The landuse of the area is mixed arable and pasture divided into medium to large fields edged in mature hedgerows and interspersed with streams and rivers. The area is interspersed with blocks of mature woodland and estate avenue and parkland. The village of Rathmoylan is approximately 2km to the East of the site and the town of Trim approximately 7km to the North.

KEY CHARACTERISTICS:

The landscape character in the immediate vicinity the site is typical of this area; situated on one of the South facing slopes of raised ground with a mature woodland copse to the West and a tributary stream forming the site's Southern boundary. The R156 road passing East to West through the site is fringed with mature native hedgerow. Road hedgerows in the locality are often trimmed to eyelevel.

LANDSCAPE CAPACITY:

The site's Zone of Visual Influence (ZVI) is relatively compact with a low density of visual receptors within. These are mostly private residential properties and a school. There are no monuments or major tourist attractions in the area of the site. The scale and texture of the landscape is relatively large and so the locality has the capacity to absorb change without and lasting or major impact to its underlying character.

VISUAL ASSESSMENT CRITERIA:

SCALE:	intimate	small	medium	large	
TEXTURE:	smooth	textured	rough	very rough	
COLOUR:	monochrome	muted	colourful	garish	
COMPLEXITY:	uniform	simple	diverse	complex	
REMOTENESS:	wilderness	remote	vacant	active	
UNITY:	unified	interrupted	fragmented	chaotic	
ENCLOSURE:	expansive	open	enclosed	constrained	
VISUAL DYNAMIC:	sweeping	spreading	dispersed	channelled	
PATTERN (2 Dimensional):	dominant	strong	broken	weak	
FORM (3 Dimensional):	straight	angular	curved	sinuous	
PERCEPTION: SECURITY: STIMULOUS: TRANQUILITY: PLEASURE:	intimate monotonous inaccessible unpleasant	comfortable bland remote acceptable	safe interesting vacant pleasant	unsettling challenging peaceful attractive	threatening inspiring busy beautiful

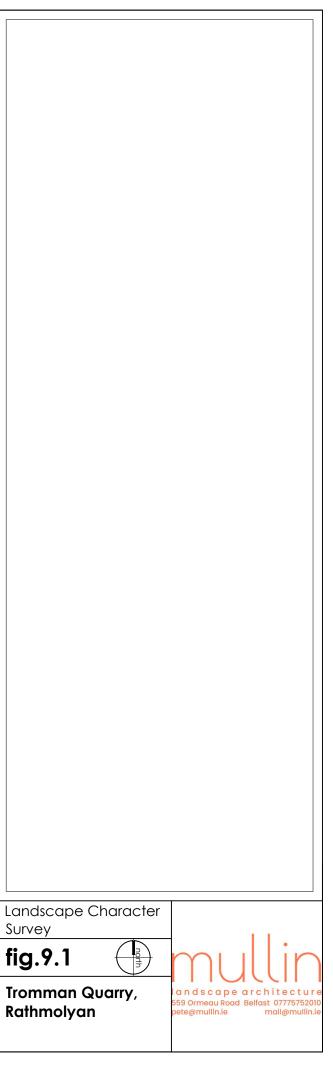
ARCHITECTURE:

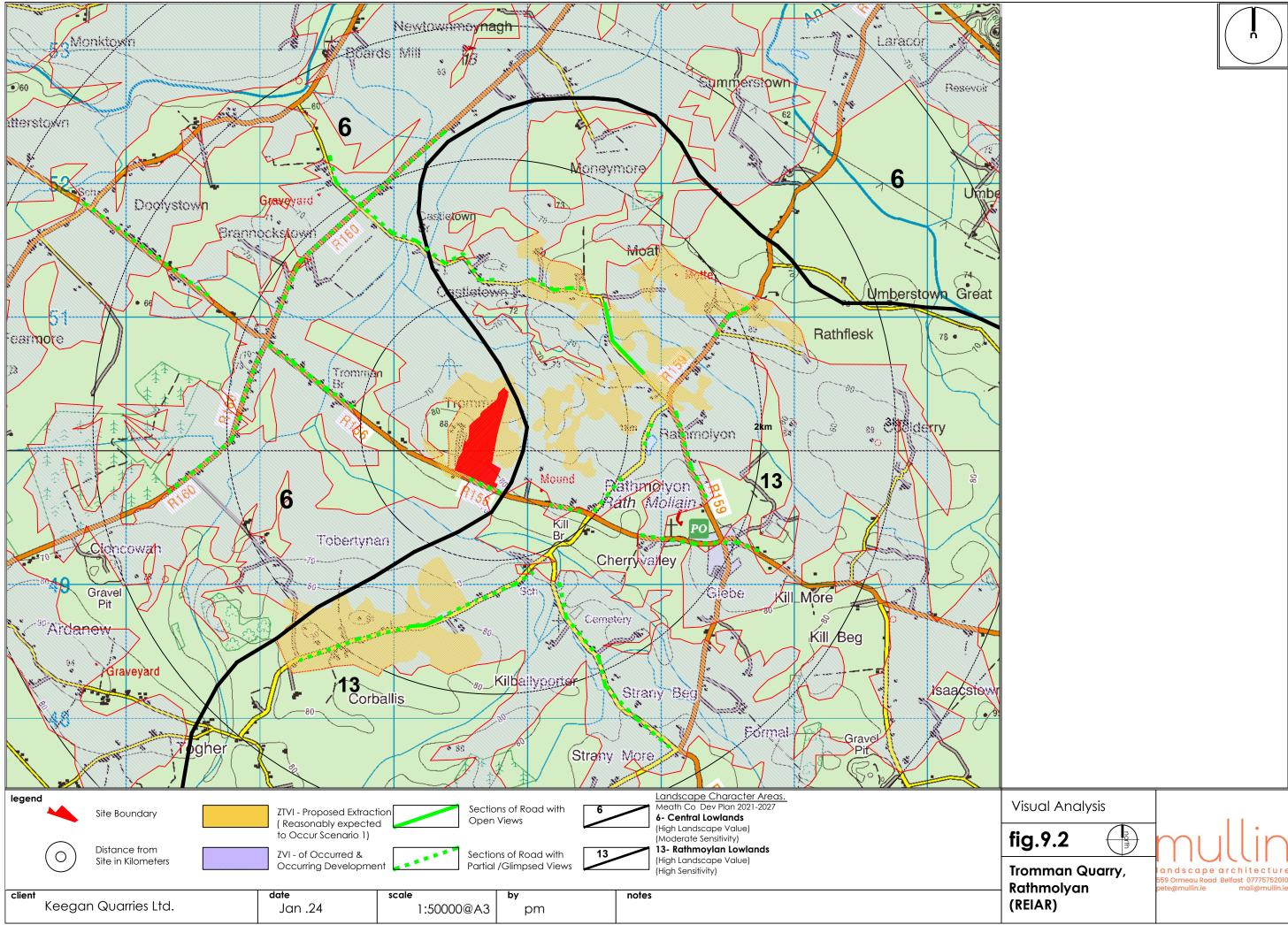
Material: Vernacular Style: Settlement Form: walls - white harl/pebbledash/white render/ some older stone buildings. roof - slate or buff tiles shallow roof pitch on bungalows and two storey dwellings low density individual dwellings with cluster development at Rathmoylan

INITIAL LANDSCAPE ARCHITECTURAL RESPONSE:

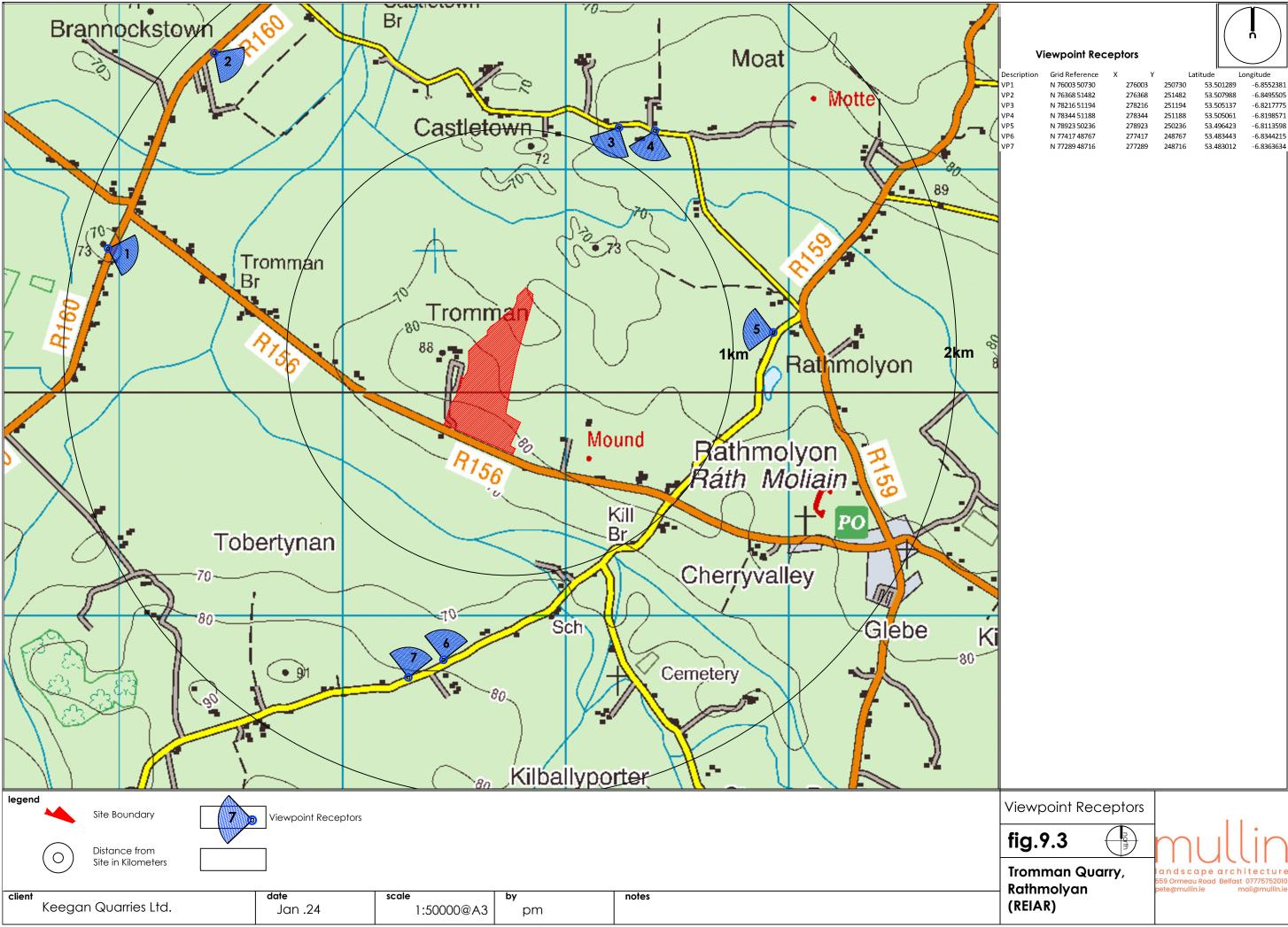
As a landscape, the area surrounding the site is typical of the region. The hedgerows; mature trees; woodland blocks and undulating topography provide the capacity for this landscape to absorb considered change. Apart from views from the R156 road bisecting the proposed site most views to the site will be from the South East. The landscape elements of hedgerow and trees and woodland blocks should where possible be protected and reinforced with further and screen planting introduced. Earth mounding along the R156 corridor and to the visible edges of the site could serve to lessen further the potential impact of any proposed developments,

Survey undertaken by: Pete Mullin BA (Hons) MLI Chartered Landscape Architect							
client	date	survey time	survey season	survey weather conditions			
Keegan Quarries Ltd.	Jan 2024	1.30 pm	Autumn				











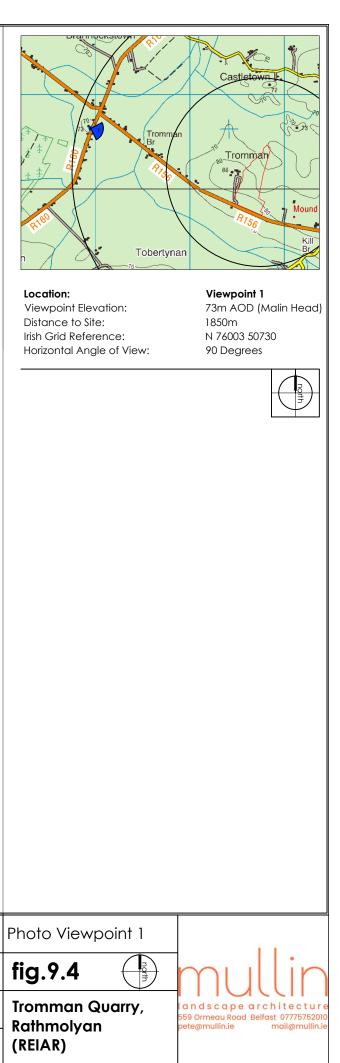
Description	Grid Reference	Х	Y		Latitude	Longitude
VP1	N 76003 50730		276003	250730	53.501289	-6.8552381
VP2	N 76368 51482		276368	251482	53.507988	-6.8495505
VP3	N 78216 51194		278216	251194	53.505137	-6.8217775
VP4	N 78344 51188		278344	251188	53.505061	-6.8198571
VP5	N 78923 50236		278923	250236	53.496423	-6.8113598
VP6	N 77417 48767		277417	248767	53.483443	-6.8344215
VP7	N 77289 48716		277289	248716	53.483012	-6.8363634





Viewpoint 1 East from R160. View East from the R160 approximately 1.8km from the subject site. From this open section of regional road the unauthorized elements of the development are not visible due to intervening vegetation combined with overburden tip associated with the adjoining Kilsaren operation. From this location the only visible element relating to the subject site is the existing temporary overburden tip which draws visual attention towards the site.

Landscap Viewpoin	e & Visual Effects t Duration	Baseline Landscape & Visual Sensitivity	Magnitude (Unauthorized Elements)	Impacts Occu (2013 to Preser	rred Impacts Occurring nt) (Present)	Magnitude (Permission)		ected to Occur Scenario 1 perational Stage)	Magnitude (Alterative)	Expected to Occur - Scenario 2 (Alternative)
1	Long Term	Medium - Low (Landscape) Medium - Low (Visual)	Low Very Low	Minor Negligible	Minor Negligible	Very Low Very Low	0	ligible (Neutral) ligible (Neutral)	Low Very Low	Minor (Neutral) Negligible(Neutral)
client	Keegan Qu	arries Ltd.	date Jan 2	4	scale NTS@A3	by pjm		notes Image represent	s an eyelevel impression of	view at monocular distance of 30cm



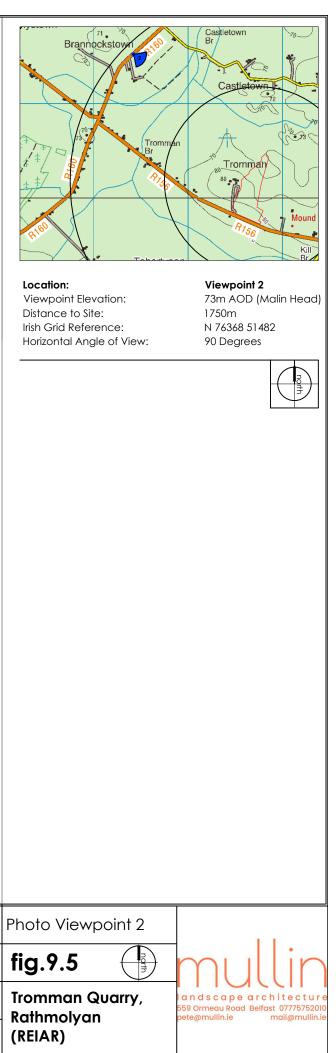


Panoramic View

Viewpoint 2 Southeast from R160.

View Southeast from the R160 approximately 1.7km from the subject site. In terms of development occurred / occurring, from this location, the upper part of a silo structure and temporary overburden tip is partially visible. The extraction area is not visible due to a combination of intervening vegetation, topography and distance.

Landscap Viewpoint	e & Visual Effects Duration	Baseline Landscape & Visual Sensitivity	Magnitude (Unauthorized Elements)	Impacts Oc (2013 to Pre	curred Impacts Occurring sent) (Present)	Magnitude (Permission)		ected to Occur Scenario 1 perational Stage)	Magnitude (Alterative)	Expected to Occur - Scenario 2 (Alternative)
2	Long Term	Medium - Low (Landscape) Medium - Low (Visual)	Low Very Low	Minor Negligibl	Minor e Negligible	Very Low Very Low	-	ligible (Neutral) ligible (Neutral)	Low Very Low	Minor (Neutral) Negligible(Neutral)
client	Keegan Qu	arries Ltd.	date Jan 24	4	scale NTS@A3	by pjm		notes Image represent	s an eyelevel impression o	f view at monocular distance of 30cm







Viewpoint 3 South from L80141.

View South from minor road L80141 less than 1km from the subject site. From this open section of road the existing temporary overburden and unauthorized development is partially visible, including concrete batching plant and sheds. Areas of existing and proposed future extraction is not visible due to a combination of intervening vegetation, buildings and topography.

Landscape Viewpoint	e & Visual Effects Duration	Baseline Landscape & Visual Sensitivity	Magnitude (Unauthorized Elements)	Impacts Occu (2013 to Prese	nred Impacts Occurring nt) (Present)	Magnitude (Permission)	 cted to Occur Scenario 1 erational Stage)	Magnitude (Alterative)	Expected to Occur - Scenario 2 (Alternative)	
3	Long Term	Medium - Low (Landscape) Low (Visual)	Low Medium	Minor Minor	Minor Minor	Very Low Very Low	ligible (Neutral) ligible (Neutral)	Low Very Low	Minor (Neutral) Negligible(Neutral)	
client	Keegan Qu	arries Ltd.	date Jan 24	4	scale NTS@A3	by pjm		epresents an eyeleve Ilar distance of 30cm	el impression of view at	



Viewpoint Elevation: Distance to Site: Irish Grid Reference Horizontal Angle of View: Viewpoint 3 73m AOD (Malin Head) 850m N 78216 51194 90 Degrees

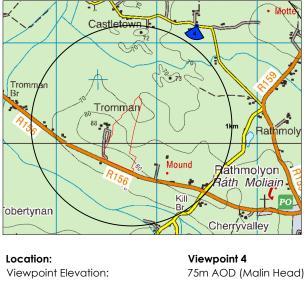






Viewpoint 4 Southwest from L80141. View South from minor road L80141 less than 1km from the subject site. From this open section of road the existing temporary overburden and unauthorized development is visible, including concrete batching plant and sheds. Areas of existing and proposed future extraction is not visible due to a combination of intervening vegetation, buildings and topography.

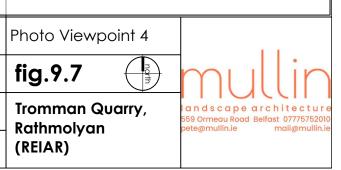
Landscap Viewpoint	e & Visual Effects t Duration	Baseline Landscape & Visual Sensitivity	Magnitude (Unauthorized Elements)	Impacts Occu (2013 to Presen	rred Impacts Occurring t) (Present)	Magnitude (Permission)		ected to Occur Scenario 1 perational Stage)	Magnitude (Alterative)	Expected to Occur - Scenario 2 (Alternative)
4	Long Term	Medium - Low (Landscape) Low (Visual)	Low Medium	Minor Minor	Minor Minor	Very Low Very Low	-	ligible (Neutral) Iigible (Neutral)	Low Very Low	Minor (Neutral) Negligible(Neutral)
client	Keegan Que	arries Ltd.	date Jan 2	4	scale NTS@A3	by pjm		notes Image re monocu	epresents an eyeleve Ilar distance of 30cm	el impression of view at



Distance to Site: Irish Grid Reference Horizontal Angle of View:

850m N 78344 51188 90 Degrees

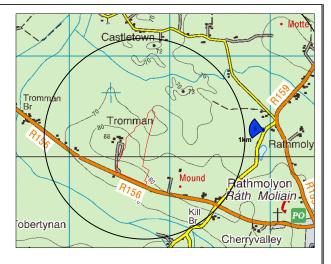






Viewpoint 5 West from L80140. View South from minor road L80140 approx 1.1km from the subject site. From this open section of road the existing temporary overburden is clearly visible, with concrete batching plant partially visible. Areas of proposed future extraction would not be visible due to a combination of intervening vegetation, buildings and topography.

Landscap Viewpoin	e & Visual Effects t Duration	Baseline Landscape & Visual Sensitivity	Magnitude (Unauthorized Elements)		red Impacts Occurring) (Present)	Magnitude (Permission)	 ected to Occur Scenario 1 perational Stage)	Magnitude (Alterative)	Expected to Occur - Scenario 2 (Alternative)	1
5	Long Term	Medium - Low (Landscape) Low (Visual)	Low Medium	Minor Minor	Minor Minor	Very Low Very Low	ligible (Neutral) ligible (Neutral)	Low Very Low	Minor (Neutral) Negligible(Neutral)	
client	Keegan Qu	arries Ltd.	date Jan 2	4	scale NTS@A3	by pjm		epresents an eyeleve Ilar distance of 30cm	el impression of view at	



Location:

Viewpoint Elevation: Distance to Site: Irish Grid Reference Horizontal Angle of View:

Viewpoint 5 76m AOD (Malin Head) 1128m N 78923 50236 90 Degrees



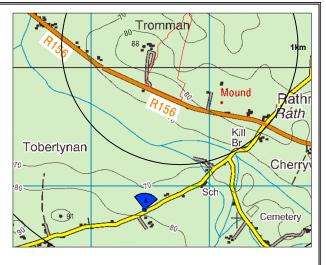






Viewpoint 6 North from L80142. View South from minor road L80142 approx 1km from the subject site. From this section of road the existing temporary overburden is clearly visible with a glimpsed view of the upper part of a silo structure. Existing and proposed extraction are not visible due to a combination of intervening vegetation and topography.

Landscape Viewpoint	e & Visual Effects Duration	Baseline Landscape & Visual Sensitivity	Magnitude (Unauthorized Elements)	Impacts Occ (2013 to Prese	urred Impacts Occurring ent) (Present)	Magnitude (Permission)	 ected to Occur Scenario 1 perational Stage)	Magnitude (Alterative)	Expected to Occur - Scenario 2 (Alternative)
6	Long Term	Medium - Low (Landscape) Medium (Visual)	Low Very Low	Minor Negligible	Minor Negligible	Very Low Very Low	ligible (Neutral) ligible (Neutral)	Low Very Low	Minor (Neutral) Negligible(Neutral)
client	Keegan Qu	arries Ltd.	date Jan 2	4	scale NTS@A3	by pjm	notes Image re monocu	epresents an eyeleve Jlar distance of 30cm	el impression of view at



Location: Viewpoint Elevation:

Distance to Site: Irish Grid Reference Horizontal Angle of View:

Viewpoint 6 78m AOD (Malin Head) 991m N 77417 48767 90 Degrees









Viewpoint 7 North from L80142. View South from minor road L80142 approx 1km from the subject site. From this section of road the existing temporary overburden is clearly visible, with unauthorized structures partial visible and extraction not visible due to a combination of intervening vegetation and topography.

Landscape Viewpoint	e & Visual Effects Duration	Baseline Landscape & Visual Sensitivity	Magnitude (Unauthorized Elements)	Impacts Occ (2013 to Pres	urred Impacts Occurring ent) (Present)	Magnitude (Permission)		ected to Occur Scenario 1 perational Stage)	Magnitude (Alterative)	Expected to Occur - Scenario 2 (Alternative)
7	Long Term	Medium - Low (Landscape) Medium (Visual)	Low Very Low	Minor Negligible	Minor Negligible	Very Low Very Low	-	ligible (Neutral) ligible (Neutral)	Low Very Low	Minor (Neutral) Negligible(Neutral)
client	Keegan Qu	arries Ltd.	date Jan 2	4	scale NTS@A3	by pjm			epresents an eyeleve lar distance of 30cm	el impression of view at



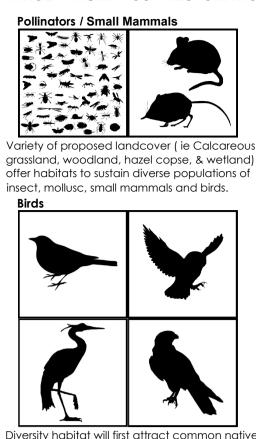
Location: Viewpoint Elevation: Distance to Site: Irish Grid Reference Horizontal Angle of View:

Viewpoint 7 81m AOD (Malin Head) 1050m N 77289 48716 90 Degrees





TARGET FAUNA POST RESTORATION

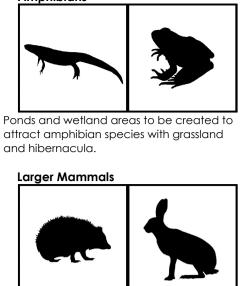


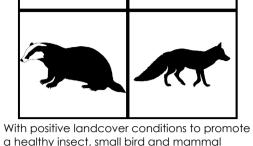
birds & in time with appropriate management encourage a hierarchy of bird species (incl raptors). Exposed rock faces combine with wetland habitat to offer excellent nesting & feeding ground for raptors such as Peregrine.

Bats / Red Squirrel



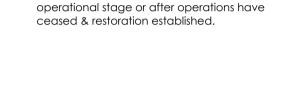
With positive landcover conditions to promote a healthy insect population, combined with roosting and nesting opportunities, protected species such as bat and red squirrel will be encouraged.





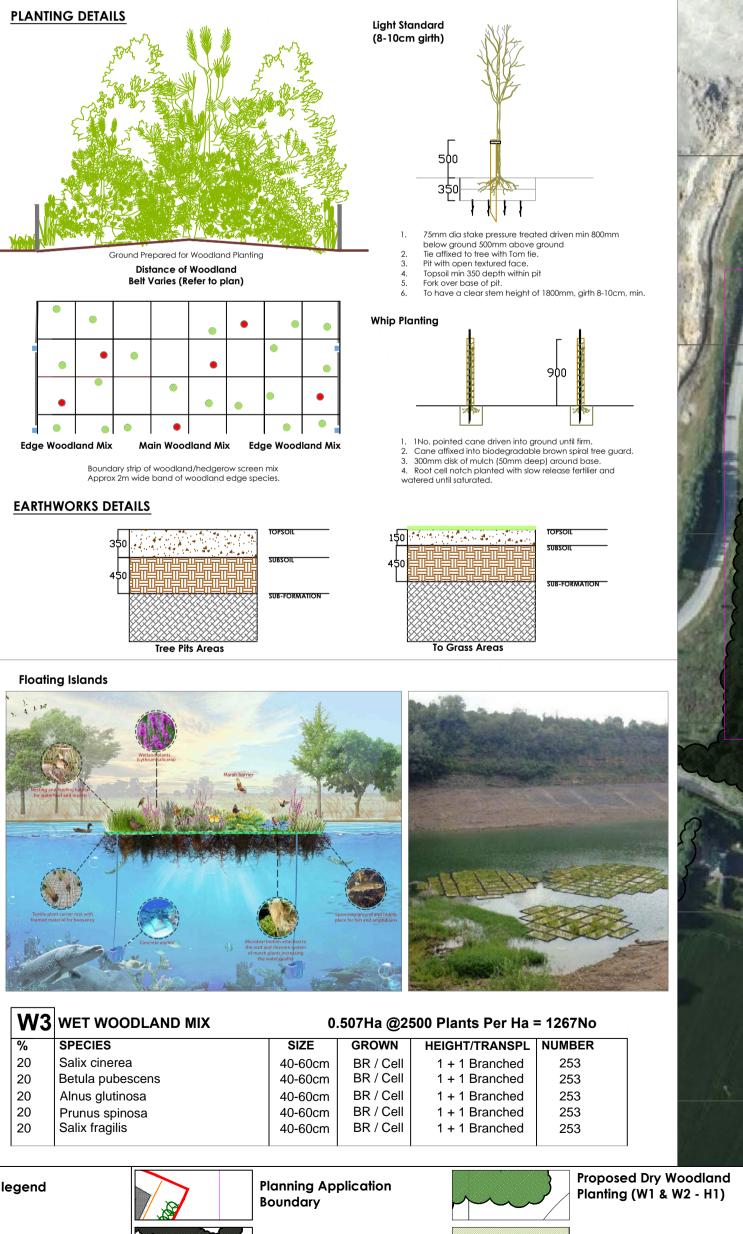
a healthy insect, small bird and mammal population, combined with a balance of woodland, calcareous grassland & wet meadow habitat; larger native mammal such as hare, hedgehog, badger & fox will be encouraged.

NOTE:



No herbicides or pesticides to be permitted

during the establishment or extractive



xisting Hedgerows/

Jan 24

Grassland (G2)

pjm

notes

scale_{1:2000} @ A1 | by

1:4000 @ A3

Scrub & Woodland

Keegan Quarries

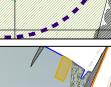
Proposed Wet Woodland (W3) Species Rich Dry Calcareous Species Rich Wet Calcareous

Grassland (G2)

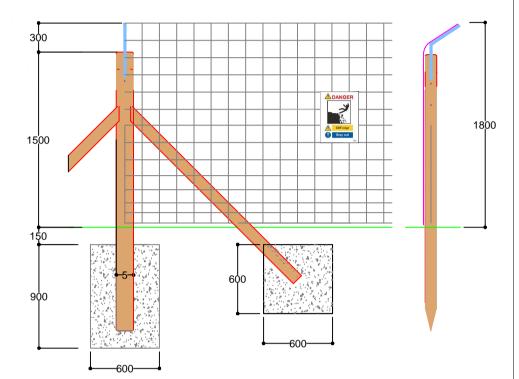


Proposed future birdhide location

Rock faces to be retained as potential habitat for nesting birds



INDICATIVE STOCKPROOF FENCE (Extended Height)



Boundary Fence

NOTE : fencing currently exists around the majority of the operation, However where identified additional fencing shall be introduced as per detail. Warning signs to be included at 25m intervals with a number of lifebelts included post operation. Fencing will be erected at least 1m fromany existing stone boundary walls

All timber to be pressure treated larch stained off site with 2No. coats of approved dark brown stain. Tops of posts to be weathered and smooth finished. Any site cuts to be treated with 2No. coats of dark brown stain. Levels under fence to be regulated with final finish so the fence has a smooth running topline. All metal to be galvanised.

Approx Areas for Proposed Restoration Typologies (Habitats)

Dry woodland Wet woodland Calcareous Grassland Hazel Copse Proposed Ponds x 8No

20800m2 (2.08 Ha) 5070m2 (0.507 Ha) 22.500m2 (2.25 Ha) 1256m2 (0.125 Ha)

G2 Meadow Mixture for Limestone Soils

This rich mixture is suitable for sowing onto thin lime-rich soils of low fertility and with a significant limestone content. Sowing directly onto exposed chalk or limestone can produce some of the most interesting results; establishment will be slower than on well developed soils, but less management will be needed.

Latin name	Common name
Briza media	Quaking Grass (w)
Cynosurus cristatus	Crested Dogstail
Festuca ovina	Sheep's Fescue
Festuca rubra	Slender-creep Red-fescue
Koeleria macrantha	Crested Hair-grass (w)
Phleum bertolonii	Smaller Cat's-tail (w)
Trisetum flavescens	Yellow Oat-grass (w)
Achillea millefolium	Yarrow
Anthyllis vulneraria	Kidney Vetch
Centaurea nigra	Common Knapweed
Centaurea scabiosa	Greater Knapweed
Galium verum	Lady's Bedstraw
Knautia arvensis	Field Scabious
Leontodon hispidus	Rough Hawkbit
Leucanthemum vulgare	Oxeye Daisy
Lotus corniculatus	Birdsfoot Trefoil
Onobrychis viciifolia	Sainfoin
Origanum vulgare	Wild Marjoram
Plantago media	Hoary Plantain
Poterium sanguisorba -	Salad Burnet
Primula veris	Cowslip
Prunella vulgaris	Selfheal
Ranunculus acris	Meadow Buttercup
Scabiosa columbaria	Small Scabious
	Briza media Cynosurus cristatus Festuca ovina Festuca rubra Koeleria macrantha Phleum bertolonii Trisetum flavescens Achillea millefolium Anthyllis vulneraria Centaurea nigra Centaurea nigra Centaurea scabiosa Galium verum Knautia arvensis Leontodon hispidus Leucanthemum vulgare Lotus corniculatus Onobrychis viciifolia Origanum vulgare Plantago media Poterium sanguisorba - Primula veris Prunella vulgaris Ranunculus acris

Sowing Rates kg/acre g/m2 kg/ha 16

Approximate location of nformal pathways & routes hrough site

Marginal & emergent species with potential jetty locations

4



Protective Fencing

W1		1	MAIN WOODLAND MIX 75%		2.08Ha @2500 Plants Per Ha = 5200No (3900)			
	9	%	SPECIES	COMMON	SIZE	GROWN	TRANSPLANTS	NUMBER
Q	≬r 3	35	Quercus robur	Oak	40-60cm	BR	1 + 2 Branched	1365
Ρ	s 1	15	Pinus sylvestris	Scots Plne	40-60cm	BR	1 + 1 Branched	585
B	p 2	20	Betula pendula	Birch	40-60cm	BR	1 + 1 Branched	780
A	g 1	5	Alnus glutinosa	Alder	40-60cm	BR	1 + 1 Branched	585
S	a 1	10	Sorbus aucuparia	Rowan	40-60cm	BR	1 + 1 Branched	390
Pa	a g	5	Prunus avium	Cherry	40-60cm	BR	1 + 1 Branched	195
F	е		Fraxinus excelsior	Ash *	40-60cm	BR	1 + 1 Branched	
١	N	2	WOODLAND EDGE MIX 25%					(1300)
	9	%	SPECIES	COMMON	SIZE	GROWN	TRANSPLANTS	NUMBER
С	a 3	30	Corylus avellana	Hazel	40-60cm	BR	1 + 1 Branched	390
С	m 1	15	Crataegus monogyna	Hawthorn	40-60cm	BR	1 + 1 Branched	195
Ρ	s 1	10	Prunus spinosa	Blackthorn	40-60cm	BR	1 + 1 Branched	130
la	a 1	15	llex aquifolium	Holly	40-60cm	BR	1 + 1 Branched	195
Q	i t	5	Acer campestre	Field Maple	40-60cm	BR	1 + 1 Branched	65
1	e t	5	Ulex europaeus	Gorse	40-60cm	BR	1 + 1 Branched	65
U								
А	.g (5	Alnus glutinosa	Alder	40-60cm	BR	1 + 1 Branched	65
A M	g t Is t	5	Malus sylvestris	Alder Crabapple	40-60cm 40-60cm	BR BR	1 + 1 Branched 1 + 1 Branched	65 65
Α	g t Is t	-						

LIGHT STANDARD TREES

	%	SPECIES	COMMON	SIZE (girth)	HEIGHT	APP. STEM	NUMBER
Qr	50	Quercus robur	Oak	6-8cm	2.5-2.75m	1.5 - 1.8m	As Shown
Вр	25	Betula Pendula	Birch	6-8cm	2.5-2.75m	1.5 - 1.8m	
Ag	25	Alnus Glutinosa	Alder	6-8cm	2.5-2.75m	1.5 - 1.8m	

resistant strains emerge over ther life of this operation it is expected that it will be possible to specify.

Restoration Concept

Restoration of this extractive operation is focused on habitat creation and delivering biodiversity. In addition it has been recognized there is long term potential to accommodate active and passive recreation - Walking, birdwatching, fishing etc.

This site could be assimilated with adjoining lands (particularly through the restoration of the adjoining quarry site to the west) to contribute to regional biodiversity.

Connectivity of this site within a region wide green infrastructure strategy should be explore by the Authorities. The majority of the subject site will be occupied by water body and surrounded by calcareous grassland and native woodland (incl Hazel copse). New ponds with wetland areas would also be created. Sections of expose rock face would remain post operation and offer valuable nesting opportunities for birds (including raptors). Restoration will be applied progressively on this site, therefore as areas reach their maximum extent of extraction rehabilitation would commence. Long term this site offers potential to create a diverse habitat - with similar examples of former quarry sites having become designated nature reserves.

Soil Management

Much of the soils and overburden layers at this quarry operation have in the past been stripped and relocated and are generally unavailable for restoration purposes. However some pockets of topsoils remain intact, which can be utilized for future restoration. Where soils (including stored soil) are identified, these should be appropriately transported to areas available for restoration.

Soil Stripping :- Stripping should apply guidance from MAFF data sheets.

Soil Storage :- Location of striped soils storage to be agreed on site - Storage berms should be clearly signed & protected. Storage Berm Height (maximum): 3m. Handling Soils :-

- Aggressive weeds to to be topped and selectively herbicide added as required

Give notice and obtain instructions before moving topsoil. Plant: Select and use plant to minimize disturbance, trafficking and compaction.

- Contamination: Do not mix topsoil with:

- Subsoil, stone, hardcore, rubbish or material from demolition work.

- Other arades of topsoil.

Multiple handling: Keep to a minimum. Use or stockpile topsoil as soon as possible after stripping. Wet conditions: Handle topsoil in the driest condition possible. Do not handle during or after heavy rainfall or when it is wetter than the plastic limit less 3%, to BS 1377-2.

Spreading Soils:-Temporary roads/surfacing: Broken and remove before spreading topsoil.

Layers: - Depth (maximum): 150 mm. - Gently firm each layer before spreading the next.

Depths after firming and settlement (minimum):

- Grass areas - 50mm (excluding wet wildflower grassland areas) Planted areas - 150mm. Crumb structure: Do not compact topsoil. Preserve a friable texture of separate visible crumbs wherever possible

Proposed Woodland Planting

Years 1-3 (Establishment)

Maintain shrub & woodland areas in a weed free condition (No herbicide application on site).

Prune minor damage back to healthy wood and check for and treat disease. Gap up to replace damaged or failed plant material in accordance with the original planting specification, which shall form part of the management documentation. Check protective fencing, where used, and maintain in good condition.

<u>Year 4-10</u> As canopies merge, remove guards and stakes and cease weed control.

Thin out weakest specimens if planting becomes overcrowded and start to restrict growth.

1 no. basic-level inspection bi-annual by qualified professional (in autumn to coincide with fungal fruiting) to check

physiological and biological condition -At the end of this period determine if thinned to 5 m to maintain continued grassland cover beneath.

Felled trees to be used to create hibernatula

<u>Year 11-20</u> 1 no. basic-level inspection bi annual by qualified arboriculturist (in autumn to coincide with fungal fruiting) to check physiological and biological condition

Thin out weakest specimens every 5 years as planting becomes overcrowded and start to restrict growth. Year 20+

1 no. basic-level inspection per annum by qualified arboriculturist (in autumn to coincide with fungal fruiting) to check physiological and biological condition

Interplant gaps and openings with new transplants every 5 years as required. Felled trees to be used to create hibernatula.

Proposed Grasslands

<u>Preparation</u> Ground preparation should follow the supplier's instructions with the removal of weeds, rubbish and stones of over75 mm diameter. The seed will be sown following extraction activities during times of sufficient warmth and moisture, ideally in late spring or early autumn.

First year management

Most of the sown meadow species are perennial and will be slow to germinate and grow and will not usually flower in the first growing season. There will often be a flush of annual weeds from the soil in the first growing season. This weed growth is easily controlled by topping or mowing. (No herbicide applied on site)

Avoid cutting in the spring and early summer if the mixture is autumn sown and contains Yellow Rattle, or if the mixture has been sown with a nurse of cornfield annuals. These sown annuals should be allowed to flower, then in mid-summer cut and remove the vegetation. It is important to cut back the annuals before they die back, set seed and collapse: this cut will reveal the developing meadow mixture and give it the space it needs to develop.

Management once established In the second and subsequent years sown areas can be managed in a number of ways which, in association with soil fertility, will determine the character of the grassland. On poor shallow soils one or two cuts at the end of the summer, or occasional light grazing, may be all that is required

to maintain diversity and interest. On deeper soils best results are usually obtained by traditional meadow management based around a main summer hay cut in combination with autumn and possibly spring mowing or grazing. Meadow grassland is not cut or grazed

from spring through to late July/August to give the sown species an opportunity to flower. Refinement of options would tailor by the project ecologist and form part of future management plans. After flowering in July or August take a 'hay cut': cut back with a scythe, petrol strimmer or tractor mower to c 50mm. Leave the 'hay' to dry and shed seed for 1-7 days then remove from site.

Mow or graze the re-growth through to late autumn/winter to c 50mm and again in spring if needed.

S	Landscape Restoration	MDA Fig 9.11
	Tromman Quarry,Rathmoylan Co. Meath.	MDA 19-106-100
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