



# Arklow Local Area Plan Submission - Report

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ICF Essential-Aggregates-2019.pdf, 0.54MB

29 March 2024

Arklow and Environs LAP,  
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A67 FW96

SLR Project No.: 501.065453.00001

## **RE: Arklow Local Area Plan -Submission to the Pre-Draft Issues Paper Submission on behalf of Roadstone Ltd.**

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SLR Consulting Ireland acts as planning and environmental advisors to Roadstone Ltd. (hereafter referred to as “Roadstone”) This submission relates to the Arklow Local Area Plan (hereafter referred to as “LAP”) Pre-Draft Issues Paper Consultation, which concludes on the 2<sup>nd</sup> of April 2024.

### **1.0 Introduction**

Roadstone Limited has property assets within the Arklow Environs LAP area, namely Arklow Quarry (referred to in the draft LAP as the “Roadstone Quarry”) to the south of the town. Arklow Quarry is a strategic asset, providing construction materials to Arklow, the region and nationally. It has also exported aggregates through its jetty facility.

The history of Arklow Quarry can be traced back to early in the 19<sup>th</sup> century when workings at the quarry were first recorded. Charles Stewart Parnell bought the quarry in 1885. Up to 200 people were then employed to produce hand-dressed “setts” used to pave streets and roads for Dublin, Liverpool and many other towns.

This unique combination of quality stone reserves (suitable for rock armour and aggregates) and direct on-site access to jetty / wharf facilities for sea transport make Arklow Quarry one of the most strategically important quarry locations in Ireland.

### **2.0 Wicklow County Development Plan (CDP) 2022-2028**

#### **2.1 Extractive Industry**

Under the Wicklow CDP Chapter 9 Economic Development, the strategic objective for the Extractive Industry is:

*To support and facilitate the exploitation of County Wicklow’s natural aggregate resources in a manner, which does not unduly impinge on the environmental quality, and the visual and residential amenity of an area (see Map 09.05, Crushed Rock Aggregate Potential)*

Arklow Quarry and the surrounding area to the west is classified as Very High to High crushed rock aggregate potential by the Geological Survey of Ireland.

## 2.2 Marine Spatial Planning & Coastal Zone Management

The Wicklow CDP divides the coastal areas within the county into a number of coastal cells. Arklow Quarry is located with Cell 11 – Arklow Environs. The stated objectives for this coastal cell under CPO 19.26 include:

*3. The support and facilitate the development of marine and shipping activity in Arklow, particularly the recreational use of the existing harbour / marina and the development of a roll-on roll off port at the existing Roadstone jetty.*

## 3.0 Arklow LAP 2018-2024

### 3.1 Existing Economic Assets

Within the current LAP Arklow Quarry is identified and recognised as a key economic asset:

*The ‘Economic Development Strategy’ of this plan is to take advantage of the existing economic assets in order to stimulate employment within the area. The key assets that Arklow has to offer are:*

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- *a quarry to the south of the town;*

### 3.2 Arklow Quarry Landuse Zoning

Within the current LAP Arklow Quarry is zoned EX – Extractive Industry. The zoning objective for Extractive Industry is:

*To provide for extraction / quarrying and associated activities including processing of extracted materials and land restoration.*

The typical uses within the Extractive industry (EX) landuse zoning include:

*--extractive industry uses (The winning of all minerals and substances in or under land of a kind ordinarily worked by underground or open cast mining), including value added production, such as concrete, asphalt and block production. and ancillary developments in accordance with the CDP.*

The access route to Arklow Quarry is zoned OS2 – Open Space. The purpose of this zoning is to protect, enhance and manage undeveloped land.

*To protect, enhance and manage existing open, undeveloped lands that comprise flood plains, buffer zones along EU and nationally protected sites (Natura 2000 sites, NHAs etc), watercourses and rivers, steep banks, green breaks between built up areas, green corridors and areas of natural biodiversity.*

### 3.3 Southern Port Access Route (SPAR)

Under the current LAP – Infrastructure, Transportation & Movement objective IT9 states:

*“To facilitate the construction of a Southern Port Access Road (SPAR) linking the Wexford Road to the Action Areas at Tinahask, the Roadstone Quarry and the Waterfront Zone, incorporating a link to form a primary distributor route for HGV traffic to the existing port. The design of the road including its alignment and boundary treatment will be carried out in such a manner as to ensure minimal impact*



*on Arklow Golf Club and the Roadstone Quarry. Possible future connections of the SPAR to the Clogga Road (at Kish / Rock Big) may also be considered.”*

The Southern Port Access route has not been constructed to date.

## 4.0 Submission

### 4.1 Importance of Extractive Industries

The importance of the extractive industries to the wider economy and the need to protect the operations of working quarries and proven aggregate resources is firmly established in national, regional and local planning policy (e.g. refer to the strategic objective for the Extractive Industry in the Wicklow CDP 2022-2028 in Section 2.1 above).

The extractive industry provides the necessary raw materials for the majority of building and infrastructure development in Ireland, including roads, motorways, homes, schools, hospitals, colleges, factories, water and sewerage systems, power stations, railways and sporting stadia. The construction of such infrastructure is heavily dependent on the supply of crushed stone, concrete and other building materials made from aggregates, refer to the *Essential Aggregates – Providing for Irelands Needs to 20204 (Irish Concrete Federation, 2019)* for further details, copy enclosed with this submission.

Aggregate extraction can only take place where suitable resources exist; they are a ‘tied’ resource. It is considered, therefore, that planning policies should be carefully constructed to avoid adverse effects on aggregate resources and the related extractive industries and added-value production that are essential for our built environment, infrastructure and future economic development.

Aggregates are a key resource and are of great importance to the economy and society. Well managed and designed quarry sites minimise effects on the environment, heritage and the landscape. There is also the potential for habitat creation / increased biodiversity through the restoration of quarry sites following the cessation of operations.

Given the strategic importance of quarries, it is necessary to consider the potential for planning policies to affect adversely the long-term availability of aggregate resources.

On this basis it is requested that the Arklow LAP:

- Continues to implement an Extractive Industry (EX) landuse zoning over the full extent of the Arklow Quarry lands to ensure a long-term secure supply of aggregates and rock armour to Arklow, the Wicklow region and nationally.
- Continues to provide for extractive industry uses within the EX landuse zoning: (The winning of all minerals and substances in or under land of a kind ordinarily worked by underground or open cast mining), including value added production, such as concrete, asphalt and block production. and ancillary developments.

### 4.2 Strategic Importance of Arklow Quarry – Key Economic Asset

As stated above, Arklow Quarry is a strategically important asset providing a long-term, secure supply of aggregate and value-added products to Wicklow, the Eastern Region and nationally. In addition, the rock resource at Arklow Quarry has particular and rare characteristics that are of critical importance to various types of infrastructure development.



Arklow Quarry is one of a few quarries in Ireland that can supply railway ballast. It also supplies high PSV (polished stone value) aggregate to various county councils nationally. High PSV aggregate has a high skid resistance and is, therefore, in great demand for surfacing roads with heavy traffic flows.

The quarry has also supplied rock armour for coastal defence systems in the UK and on the east coast of Ireland; this resource is likely to be of growing importance in the context of climate change and the need to reinforce coastal defences. Roadstone has supplied rock armour to many coastal defence projects in Wicklow alone, including those at Ballygannon, Kilcoole, Arklow and Greystones.

Roadstone's jetty facility at the quarry is a strategic transportation resource. The jetty has been used to supply High-PSV and rock armour to the UK and Ireland and facilitates the sustainable and efficient transportation of product to coastal locations without the need for HGV transport or unnecessary handling. The combination of the jetty in close proximity to the quarry, and critical importance of the rock resource means that Arklow Quarry is of strategic importance at a national level.

On this basis it is requested that Arklow LAP:

- continues to recognise the key economic importance and value of the Arklow Quarry to Arklow, Wicklow and nationally.

### 4.3 Existing Quarry Access Road

As stated above in Section 3.2 the existing access route to Arklow Quarry is zoned OS2 – Open Space. The purpose of this zoning is to protect, enhance and manage undeveloped land.

*To protect, enhance and manage existing open, undeveloped lands that comprise flood plains, buffer zones along EU and nationally protected sites (Natura 2000 sites, NHAs etc), watercourses and rivers, steep banks, green breaks between built up areas, green corridors and areas of natural biodiversity.*

It is presumed that the purpose of this zoning is to protect the area between the Arklow Quarry access road and the coast from development. It should be noted, however, that the access road is not undeveloped land and that the LAP seems to provide for the SPAR along the Roadstone access road.

On this basis it is requested that the objective for OS2 – Open Space in the Arklow LAP should be amended as follows:

*To protect and enhance existing open, undeveloped lands. Description: To protect, enhance and manage existing open, undeveloped lands that comprise flood plains, buffer zones along EU and nationally protected sites (Natura 2000 sites, NHAs etc), watercourses and rivers, steep banks, green breaks between built up areas, green corridors and areas of natural biodiversity, **but not including access roads and other previously developed or required infrastructure within this zoning.***



## 4.4 Southern Port Access Road (SPAR)

The current Arklow LAP provides for new roads that will link the port area through Arklow Quarry to the M11, refer to Map 9.1 – Transportation & Movement Objectives. The road also includes spurs into previously undeveloped lands that are now zoned for residential, employment and special employment uses.

Roadstone recognises the benefits of providing a new access road from the port area to the national road network and of reducing the number of HGVs that travel through the town centre. However, Map No. 9.1 shows the proposed SPAR route as passing along the current Roadstone access route and through the northern part of the Roadstone landholding. The current Roadstone access route is a private road; it is not a public road.

As stated in Section 3.3 above Policy IT9 states:

*“To facilitate the construction of a Southern Port Access Road (SPAR) linking the Wexford Road to the Action Areas at Tinahask, the Roadstone Quarry and the Waterfront Zone, incorporating a link to form a primary distributor route for HGV traffic to the existing port. The design of the road including its alignment and boundary treatment will be carried out in such a manner as to ensure minimal impact on Arklow Golf Club and the Roadstone Quarry. Possible future connections of the SPAR to the Clogga Road (at Kish / Rock Big) may also be considered.”*

Roadstone acknowledge that the policy seeks to ensure minimal impact on the Roadstone Quarry (Arklow Quarry).

However, the road layout as shown has the potential to sever part of the Roadstone landholding from the main body of the site, thus reducing the operational capacity of the landholding and requiring the reorganisation of the quarry layout. There are also no clear proposals for maintaining access to Arklow Quarry. Until further details of the proposed road layout and land acquisition requirements are made available and the potential effect on the quarry can be assessed, Roadstone will look to ensure that the integrity of its asset at Arklow, including the privately owned access road, is protected.

## 4.5 Action Areas

The current LAP provides for ‘Action Areas’. These comprise previously undeveloped land that is proposed for comprehensive development. AA1 is located west of the Arklow Golf Course and AA2 is located west of the golf course and Arklow Quarry. The delivery of the SPAR is contingent on the development of these lands.

Map No. 11.2 - *Concept plan of AAP1, AAP2 and zoned lands to the at Money Big/Bogland* in the current LAP provides for residential development within AA2 adjoining the Roadstone landholding. It should be noted that the quarry is permitted, operational and established since the 19<sup>th</sup> century. The LAP includes a comprehensive list of criteria in respect of the development of AA2, but does not address the interaction of the existing quarry and the proposed residential development. It is considered that any proposed development should not impinge on the existing and established operations at Arklow Quarry.

It is proposed, therefore, that the concept zoning within AA2 (refer to Map No. 11.2) is revised so that the area of employment zoning within the western part of AA2 is exchanged with the residential zoning. This would create a buffer between Arklow Quarry and any future residential development without reducing the extent of the future employment or residential areas.

On this basis, it is further requested that the following criterium is added to the criteria for AA2:



- *The eastern boundary of AA2 adjoins the long-established and operational Roadstone Quarry. Any proposed development in the vicinity of the quarry should not impact on the on-going quarry operations and associated value-added production facilities.*

## 5.0 Conclusion

The extractive industry provides essential building materials for residential development, infrastructure, health care facilities, education facilities and all other forms of built development. Extraction can only take place where resources occur and it is, therefore, tied to certain locations (i.e. resource tied).

The local area plan should continue to recognise the strategic importance of Arklow Quarry. It is important to ensure that the future interpretation of local area plan policies does not prevent the secure long-term supply of construction aggregates and value-added products (such as concrete blocks and road making materials) and that proposed development in the vicinity of Arklow Quarry does not inhibit established quarry operations and associated value-added production facilities.

Through this submission, Roadstone requests that the considerations set out in this submission are incorporated into the Arklow Local Area Plan.

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Roadstone would welcome the opportunity to participate in further consultation with the Wicklow County Council as work on the draft Local Area Plan is progressed.

In the meantime, should you have any queries on the above submission, or wish to discuss any matter further, please to not hesitate to contact the undersigned.

Yours faithfully,  
**SLR Consulting Ireland**



**Tim Paul**  
Director

Enc. Essential Aggregates – Providing for Irelands Needs to 2040 (Irish Concrete Federation)

Cc. Mr. J. Glynn / Mr. S. Geraghty (Roadstone Ltd.)





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# ESSENTIAL AGGREGATES

PROVIDING FOR  
IRELAND'S NEEDS  
TO 2040

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# Table of Contents

<b>Statements by President, Irish Concrete Federation &amp; Director, Geological Survey Ireland</b>	<b>1</b>
<b>1. Foreword</b>	<b>2</b>
<b>2. Irish Concrete Federation</b>	<b>3</b>
<b>3. Essential Points</b>	<b>4</b>
<b>4. The Irish Quarrying and Concrete Products Industry 2018</b>	<b>5</b>
<b>5. Project Ireland 2040</b>	<b>6</b>
<b>6. Aggregates within the National Planning Framework 2018</b>	<b>7</b>
<b>6.1. Importance of Extractive Industries and Aggregates</b>	<b>7</b>
<b>6.2. Potential of the Sector / Identifying and Protecting Reserves</b>	<b>10</b>
<b>6.3. Enabling Extraction of Aggregates</b>	<b>12</b>
<b>7. Recommendations</b>	<b>15</b>

## Statement by Larry Byrne, President, Irish Concrete Federation

*Aggregates are the essential primary raw material used for the construction of Ireland's built environment. They are used extensively for the construction, upgrade and maintenance of our homes, schools, hospitals and places of work as well as other essential infrastructure such as our road and transport network and water and wastewater infrastructure. In essence, aggregates are the backbone of sustainable construction in Ireland, without which modern and future living would not be possible.*

*Ireland has a ready but diminishing supply of high quality aggregate reserves. It is critical that Government recognises the strategic importance of access to a steady and dependable supply of local, high quality raw materials necessary for the construction of Ireland's future built environment as highlighted in Project Ireland 2040 which was launched in 2018. It is also essential that Government, when planning for Ireland's future needs, recognises that by their nature, aggregates can only be accessed where they occur. It is therefore essential that Ireland's future supply of aggregates is planned, monitored and managed in a sustainable manner. This will require leadership from Government and support from industry and all other stakeholders.*

*The Irish Concrete Federation (ICF) greatly welcomes the statement in the National Planning Framework*

*2018 acknowledging the essential role of aggregates in Ireland's future development. It is now essential that Government, in consultation with all stakeholders, develop a national policy for aggregates which acknowledges their strategic importance in Ireland's future. This overarching policy should underpin and inform local and regional planning, promote the identification and protection of essential strategic reserves of aggregates throughout Ireland and enable the extraction of aggregates in a sustainable manner compatible with protection of the environment and the quality of life of our people. To this end, it is also essential that the Government's enforcement and procurement functions ensure that the public infrastructure projects identified in Project Ireland 2040 are constructed with aggregate raw materials from authorised extractive sites.*

*ICF looks forward to presenting this policy statement on behalf of our members throughout Ireland to all stakeholders and we welcome all feedback on its content. We hope it will stimulate discussion and outcomes that will contribute towards a sustainable future, not just for our industry but for the achievement of the ambitious goals of Project Ireland 2040.*



## Statement by Koen Verbruggen, Director, Geological Survey Ireland

*The Department of Communications, Climate Action and Environment and the Geological Survey Ireland are acutely aware of the key role that raw materials will play in the delivery of Project Ireland 2040. While the ultimate building blocks of our homes, schools and roads are frequently overlooked, the role they play in society cannot be understated. For every house we build in Ireland, we need approximately 400 tonnes of aggregates, which is a house-sized hole in the ground. Raw material potential has recently been explicitly recognised within the 2019 Climate Action Plan as a key potential rural employer while local sources of aggregates are vital in the drive to reduce our carbon footprint and to transition towards a more sustainable society.*

*It is extremely important that the current realities of aggregate production are fully understood and that any deficits in the current planning system can be identified and remedied appropriately. Geological Survey Ireland has previously collaborated with the Irish Concrete Federation to publish guidelines for the management of the protection and promotion of geological heritage*

*in the quarry industry, in previous iterations of quarry directories, and robustly supports sustainable access to raw materials. It is a provider of key geoscience information for spatial planning and policy decisions and current initiatives include aggregate potential mapping, a quarry directory and planning tools for aggregates. These aspects form a crucial part of the Department of Communications, Climate Action and Environment's statement of strategy for 2019 to 2021, specifically the overarching goal of sustainable resource use.*

*Geological Survey Ireland is pleased to welcome this publication of the Irish Concrete Federation's document on planning policy for the aggregates industry. I trust that the recommendations within will be helpful and informative for planners and policy makers and that we can work together to ensure continued sustainable access to necessary raw materials.*



# 1. Foreword

In February 2018, the Irish Government launched Project Ireland 2040, a national commitment over a multi-annual period, of significant investment in Ireland's infrastructure. A capital budget for investment was accompanied by the National Planning Framework 2018.

An easily overlooked reality is that the achievement of the objectives of Project Ireland 2040 will necessitate access to significant reserves of aggregates (stone, sand and gravel) over the lifetime of the plan. It is not an exaggeration to state that many of the investment priorities within Project Ireland 2040 will not be realised without aggregates and aggregate based materials.

The importance of aggregates was acknowledged in the National Planning Framework 2018. However planning policy at national, regional and local level fails to grasp the unique and strategically critical role that aggregates play in underpinning economic and social life. It is essential that the importance of aggregates and aggregate based products to Ireland's future is recognised by Government and that Ireland's strategic reserves of aggregates are identified and protected and their use enabled in a sustainable manner.

It is equally important that the quarrying industry plays its part in ensuring that operations are carried out in a sustainable manner and that the state's planning enforcement and procurement functions ensure that only authorised operators are entitled to supply the marketplace.

The objective of this document is to highlight to Government the need for a national planning policy for aggregates, which will underpin local and regional planning policy, to ensure the sustainable supply of aggregates for Project Ireland 2040 and beyond. The document examines the Government statement on the role of aggregates within the National Planning Framework 2018, distils it down to its key points and compares it to the industry's experience in interfacing with the planning system currently. The document also makes recommendations to ensure that Government's stated objectives on aggregates within the National Planning Framework 2018 are implemented, not just for the benefit of the extractive industry, but for the achievement the ambitious goals of Project Ireland 2040.



## 2. Irish Concrete Federation

The Irish Concrete Federation (ICF) is the national representative body for the Irish aggregates and concrete products industry. ICF members comprise almost 100 companies employing over 5,000 people throughout Ireland. ICF members are involved in the extraction, processing and delivery of the essential aggregate and concrete materials used in the construction of Ireland's built environment. The members of the ICF account for approximately 80% of total industry output in terms of volume and value.

Since the formation of the ICF, environment and planning have been priorities to be addressed in a proactive, professional and responsible manner

by the organisation. ICF strongly believes that the key to success in this area is a partnership approach between industry, government departments, national and local planning bodies and environmental organisations. In the past, ICF has participated in the development of Planning & Environmental Guidelines, Codes of Practice and Guidelines in the areas of Archaeological Heritage, Geological Heritage, Groundwater Investigation and Biodiversity with various Government departments, the Environmental Protection Agency, Institute of Geologists of Ireland, Geological Survey Ireland and National Parks and Wildlife Service. The ICF regularly meets with non-governmental environmental bodies on many matters of common interest.



## 3. Essential Points

1

Ireland has **abundant natural reserves** of high quality aggregates (stone, sand and gravel).

2

These aggregates are the **essential raw materials** from which Ireland's future infrastructure will be built, including our homes, offices, schools, hospitals and transport network.

3

Aggregates can **only be accessed where they occur**. Currently there are approximately 500 large commercial quarries extracting aggregates throughout Ireland.

4

The supply of local aggregates is essential to the sustainable development of Irish communities. Local supplies of raw materials reduce transport distances, thereby **reducing their carbon footprint** compared to non-local sources.

5

Current demand for aggregates in Ireland at 12 tonnes per capita is twice the average demand in the EU 28. Project Ireland 2040 will necessitate the production of approximately **1.5 billion tonnes** of aggregates.

6

Scarcities of some particular aggregate products are already emerging in the eastern and midland regions. Therefore, the future supply of aggregates needs to be **planned, monitored and managed** in a sustainable manner.

7

In recognition of the strategically essential role of aggregates, Ireland needs a **National Aggregates Planning Policy** to underpin local and regional planning policy.

8

To provide for the country's future development, Ireland's strategic reserves of aggregates need to be **identified, quantified and protected**.

9


**A robust, effective and efficient planning system** for quarries is necessary to ensure that the extraction of Ireland's aggregate reserve is enabled in a sustainable manner. Currently, the average decision making timeframe for quarry planning applications is **76 weeks** with some decisions taking in excess of **2 years**.





10

The state's planning enforcement and procurement functions must ensure that **only authorised operators are entitled to supply the marketplace**.


# 4. The Irish Quarrying and Concrete Products Industry 2018

**PEOPLE & LOCATIONS**








-  **500+** ACTIVE QUARRIES
-  **200+** CONCRETE MANUFACTURING PLANTS
-  **€300 MILLION+** WAGES & SALARIES
-  **5000+** DIRECTLY EMPLOYED

**EXPORTS**



**> €125 MILLION** EXPORTS OF PRECAST CONCRETE

**PRODUCTS**

-   
**> 4.8 MILLION m<sup>3</sup>** OF READY-MIXED CONCRETE
-   
**> 125 MILLION** CONCRETE BLOCKS
-   
**> 36 MILLION** TONNES OF AGGREGATES
-   
**> 2 MILLION** TONNES OF ROAD SURFACING MATERIALS
-   
**> 2 MILLION m<sup>2</sup>** OF PAVING PRODUCTS
-   
**> 1 MILLION** TONNES OF AGRICULTURAL LIME

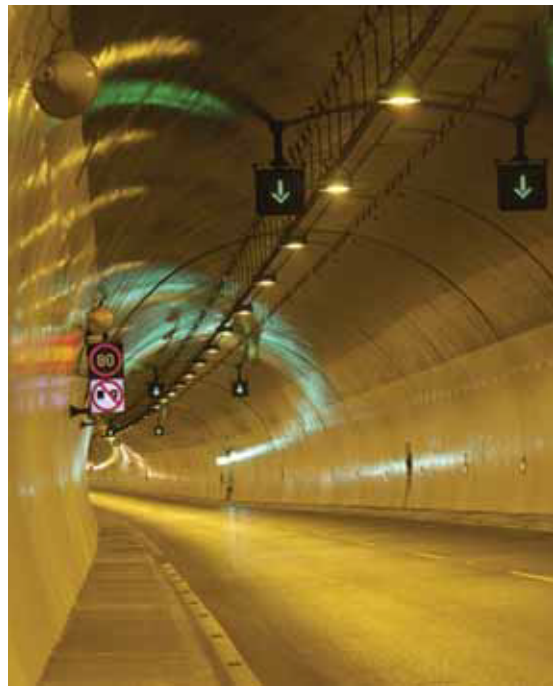
## 5. Project Ireland 2040

In February 2018, the Government published Project Ireland 2040 which is the overarching policy and planning framework for the social, economic and cultural development of our country for the next 20 years and beyond. It includes the National Development Plan - a ten year strategy for public capital investment of almost €116 billion to 2027 and the 20-year National Planning Framework.

The National Planning Framework 2018 is the Government's high-level strategic plan for shaping the future growth and development of our country to the year 2040. It is a framework to guide public and private investment, to create and promote opportunities for our people, and to protect and enhance our environment - from our villages to our cities, and everything around and in between.

In its public consultation process which formed part of the process of the development of the National Planning Framework, the Government issued its "Issues and Choices" consultation paper. In response, ICF made a submission highlighting the essential role that Ireland's national reserves of aggregates (stone, sand and gravel) will play in achieving the objectives of the National Planning Framework.

Notwithstanding its brevity, ICF greatly welcomes the statement in the National Planning Framework acknowledging the essential role of aggregates in Ireland's future development. This statement by Government must now underpin and inform national, regional and local planning in respect of aggregates.



*"Extractive industries are important for the supply of aggregates and construction materials and minerals to a variety of sectors, for both domestic requirements and for export. The planning process will play a key role in realising the potential of the extractive industries sector by identifying and protecting important reserves of aggregates and minerals from development that might prejudice*

*their utilisation. Aggregates and minerals extraction will continue to be enabled where this is compatible with the protection of the environment in terms of air and water quality, natural and cultural heritage, the quality of life of residents in the vicinity, and provides for appropriate site rehabilitation".*

**National Planning Framework – Feb 2018**

## 6. Aggregates within the National Planning Framework 2018

The Government's statement on the role of aggregates as outlined in the National Planning Framework 2018 while welcome, does not grasp the strategically essential role that aggregates will play in achieving Project Ireland's objectives for the coming 20 years. It correctly acknowledges the role that the planning process will play in identifying and protecting important reserves of aggregates and enabling extraction of aggregates in an environmentally sustainable manner. However, the reality is that, for operators of extractive sites, the current planning system is prolonged, overly complex and can be a source of great uncertainty for operators who wish to continue existing operations or seek planning approval for new locations.

In order to highlight the challenge facing Government to achieve its stated objectives for aggregates and the extractive sector, it is necessary to examine the core statement within the National Planning Framework against the background of current practice and operator experience. For the purpose of analysis, the statement has been subdivided into three constituent parts as follows:

1. *Importance of Extractive Industries and Aggregates*
2. *Potential of the Sector / Identifying and Protecting Reserves*
3. *Enabling Extraction of Aggregates*

### 6.1 IMPORTANCE OF EXTRACTIVE INDUSTRIES AND AGGREGATES

*"Extractive industries are important for the supply of aggregates and construction materials and minerals to a variety of sectors, for both domestic requirements and for export"*

**- National Planning Framework, 2018**

The Government statement on the importance of extractive industries is welcome. However it misses the essential point that extractive industries are not just important as a source of supply to a variety of sectors both domestic and for export; aggregates are an essential requirement for Ireland's future. Put simply, Project Ireland 2040 will not happen without aggregates! This is not an inflated statement of the extractive sector's importance. It is simply a statement of fact.

The Irish quarrying industry comprises approximately 500 active quarries. These quarries produce aggregates from crushed rock, sand and gravel which are used as key building materials in the construction of all of Ireland's social infrastructure and are essential to our quality of life. Aggregates are also the basic raw materials for concrete products which are ubiquitous in Ireland's built environment. There are approximately 220 ready mixed concrete plants and 20 large scale precast concrete plants located throughout Ireland. In addition, there are 40 plants producing bitumen bound road surfacing materials for Ireland's national road network.



Put simply, Ireland's economy could not function without aggregates which touch virtually every aspect of our lives – in housing, schools, hospitals, offices, roads, rail, airports, water infrastructure and agriculture. Aggregates underpin the economy and are the backbone of sustainable construction in Ireland, without which modern and future living will not be possible.

Figure 1 and Figure 2 show the output of aggregates and ready mixed concrete in Ireland since 2013. It should be noted that despite the steady growth in output in recent years, demand for aggregates and aggregate-based construction materials remain substantially below levels experienced throughout the previous decade.

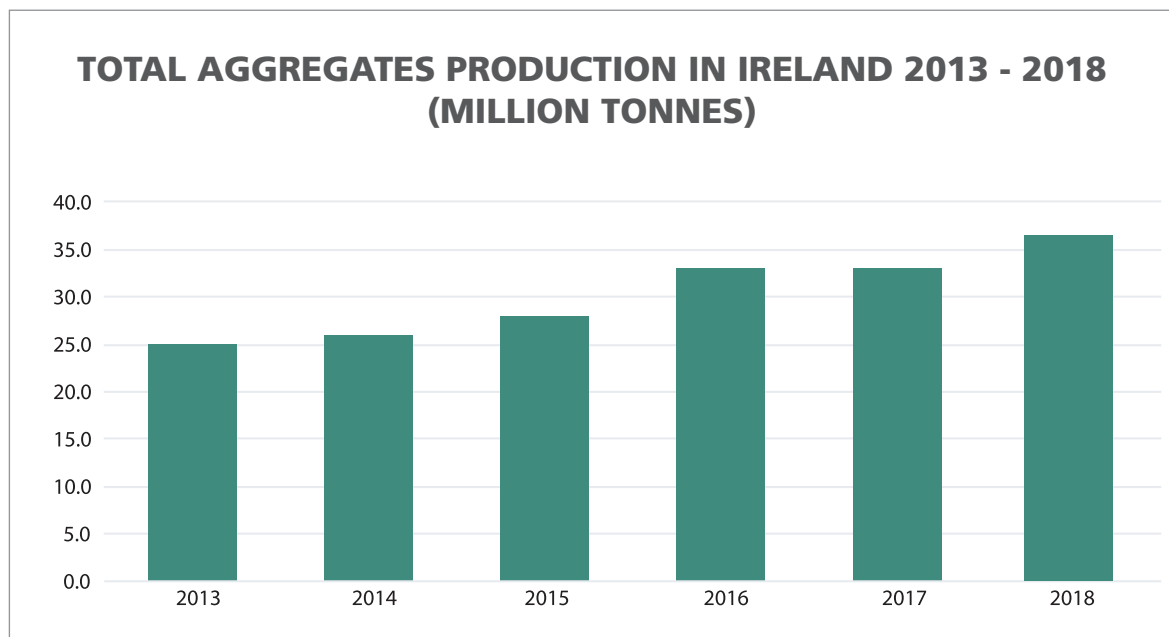


Figure 1

### Did you know?

- Every new **home** typically requires up to **400 tonnes** of aggregates
- Every new **school** typically requires some **3,000 tonnes** of aggregates
- A new **sports stadium** may require up to **300,000 tonnes** of aggregates
- Every new **1 km of roadway** requires up to **30,000 tonnes** of aggregates

Aggregates are not just essential for the manufacture of construction materials for the domestic market, they are also the key ingredient for the production of precast concrete products, approximately half of which are exported to the UK. In 2018, the value of precast concrete exported to the UK exceeded €125 million.

Due to Ireland's infrastructural deficit and dispersed pattern of settlement and its resulting large road network, the current demand for aggregates in Ireland, at 12 tonnes per capita per year, is twice the average demand in the EU 28.

The National Development Plan, with planned investment in infrastructure of almost €116 billion in the ten years to 2027, will bring public capital investment in Ireland to be amongst

the highest in the EU. It is therefore inevitable that demand for aggregate based construction materials will continue to increase in the coming years, given that the planned investment in housing, transport and education infrastructure and other priorities identified in the Plan will require a sustainable supply of aggregates from our national aggregate reserves. ICF estimates that approximately 1.5 billion tonnes of aggregates will be required to meet Ireland's societal investment needs to 2040.

In addition, quarries will make an important contribution to the circular economy as recycled aggregates from construction and demolition waste, while unlikely to exceed 5% of demand, will be an integral part of the future construction supply chain.

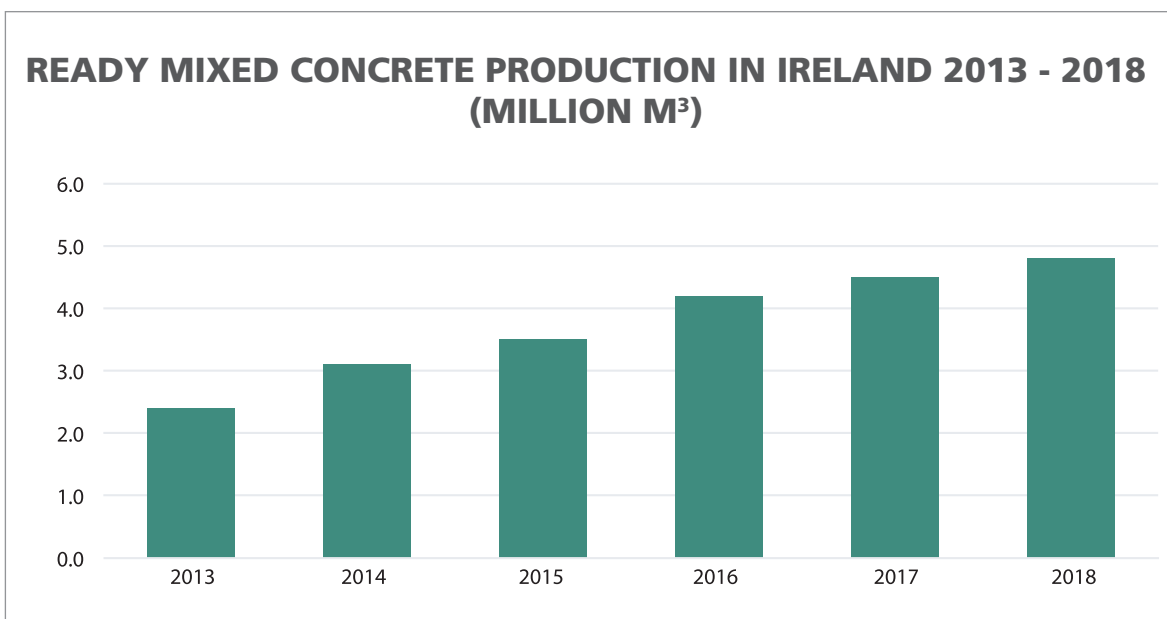


Figure 2

## 6.2 POTENTIAL OF THE SECTOR / IDENTIFYING AND PROTECTING RESERVES

*“The planning process will play a key role in realising the potential of the extractive industries sector by identifying and protecting important reserves of aggregates and minerals from development that might prejudice their utilisation”.*

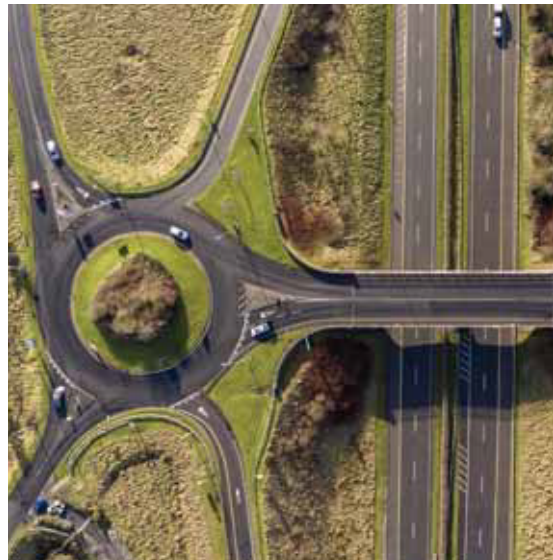
**– National Planning Framework, 2018**

The planning process will undoubtedly play a key role in realising the potential of the extractive industries sector and enabling a long term, sustainable supply of raw materials. However, while crucially important, the identification and protection of important reserves of aggregates is not simply about achieving a sector’s potential; it is imperative for Ireland’s future development.

Policy makers and the general public often fail to make the link between the construction of Ireland’s public infrastructure and its dependence on a sustainable local supply of quality aggregates from quarries located throughout the country. Too often, certainty of supply of aggregates is assumed and decision making fails to acknowledge the reality that, unlike other industries, aggregates can only be accessed where they arise and where capable of achieving planning authorisation, compatible with the local environment.

While Ireland currently has a ready supply of high quality aggregate reserves, existing reserves at active quarries and pits are being progressively diminished by ongoing extraction activity and are not being replenished at an equivalent rate. Ireland needs an authorised reserve of approximately 1.5 billion tonnes of aggregates to meet expected demand for Project Ireland 2040.

However, scarcities in particular products such as sand in the eastern and midland regions of the country are already emerging as terrestrial sources of aggregates from sand and gravel and rock deposits continue to be diminished. It is increasingly difficult to source quality aggregates required for construction products such as high specification concrete, adjacent to major population centres, in particular, Dublin. In the absence of a local source of aggregates, demand can only be met by transporting large volumes of heavy product over longer distances with the obvious negative economic and environmental consequences.



In order for the planning process to identify and protect important reserves of aggregates, there needs to be a national planning policy overseeing access to national aggregate reserves and this policy must inform regional and local planning objectives and decision making. The current lack of a co-ordinated national policy on access to our national reserves of aggregates means that it is the responsibility of individual planning authorities to set their own planning policy in this area without regard to a national objective. For this reason aggregate planning policy in Ireland has evolved through the County Development Plan system. Inevitably this leads to much variance throughout the country in the treatment of planning matters for access to aggregate reserves. Often there is little consideration given to integrated aggregate resource assessment and associated planning and development with low importance attached to the identification and protection of important reserves of aggregates.

The absence of a national aggregates policy also means that the requirements on developers when extracting and processing aggregates vary greatly between local authorities. This contributes negatively to the development of a sustainable aggregate supply base throughout the country, damages environmental performance and creates uncertainty for operators. Indeed, there is the additional reality that, quite often, policy in areas which depend on aggregate extraction activities are often unduly restrictive rather than complimentary in nature with progressive aggregate planning policy. Local planning policy for access to aggregates should complement policy in housing and transport infrastructure. Similarly, local infrastructure development should not potentially sterilise access to the aggregate resources needed for its development.

Essentially there is often little appreciation at national, regional and local level of the reality that the future provision of aggregate resources has to be planned, monitored and managed now to ensure a sustainable supply of these materials to provide for Ireland's future infrastructure development.



### 6.3 ENABLING EXTRACTION OF AGGREGATES

*“Aggregates and minerals extraction will continue to be enabled where this is compatible with the protection of the environment in terms of air and water quality, natural and cultural heritage, the quality of life of residents in the vicinity, and provides for appropriate site rehabilitation”*

**– National Planning Framework 2018**

In order for Government to enable extraction in a manner compatible with the environment, natural and cultural heritage and local residents, the planning process for extraction operations needs to be reformed and streamlined.

Following Section 261 and Section 261A of the Planning and Development Act, the planning status of the extractive industry is on a much more sustainable footing. The former common practice of ‘retention and extension’ development applications has been replaced by fully prospective applications compatible with Environmental Impact Assessment and Appropriate Assessment legislation.

However the process of enabling the continued operation of existing operations and authorising new extractive sites in order to meet the country's future needs, while ensuring best societal and environmental practice, is prolonged, unwieldy and not fit for purpose. The excessive duration of the planning process for quarries has not been helped by historically poorly drafted national legislation

that consistently fails to recognise the evolving nature of quarrying activities, which differ greatly from other more common forms of development.

An ever more complex and evolving European environmental legislative framework, as well as frequent and routine objections and appeals, both reasonable and vexatious, to the opening of new quarries and the continuation of existing operations also add to the indeterminate nature of the planning decision making process.

In effect, the reality is that the extractive industry operates in a planning system which has an indeterminate timeframe for decision making, despite the statutory objective of an eight week timeframe for local authority planning decisions and an eighteen week timeframe for appeals to An Bord Pleanála.

An analysis by SLR Consulting of quarry development planning applications appealed to An Bord Pleanála in the years 2015 to 2018 shows that the average decision making timeframe was approximately 76 weeks, taking into account both the local authority and An Bord Pleanála decision making processes. In some cases the decision making process took in excess of two years.

The average timeframe for a decision at local authority level was 34 weeks clearly indicating that requests for further information in respect of quarry applications are practically routine, while the average timeframe of 42 weeks at An Bord Pleanála is more than double its statutory objective of eighteen weeks to determine appeal cases.

Quarry Development Planning Decision Making Timeframe 2015-2018 (Planning Applications Appealed to An Bord Pleanála)			
Year Appeal Lodged with An Bord Pleanála	Average Timeframe at Local Authority (weeks)	Average Timeframe at An Bord Pleanála (weeks)	Average Total Timeframe (weeks)
2018	27	47	74
2017	41	65	106
2016	33	34	67
2015	34	37	71

The timeframes above do not include an approximate one year pre-application preparatory period for operators prior to lodging of planning applications, or the time required for any pre-commencement compliance submissions arising from conditions attached to planning permission and agreement of same with the local authority.

In addition, it is increasingly common for An Bord Pleanála decisions to be judicially reviewed in the courts, where ‘standing’ is becoming easier to achieve.

The principal contributory factors to the delays in the planning decision making process for quarries are as follows:

**(a) Lack of Priority**

The deficit of direction at national policy level on the need to identify and protect essential reserves of aggregates has led to a relative lack of priority attached to the management of a sustainable aggregate supply base in individual local authority areas when compared with other developments such as housing and infrastructure.

**(b) Lack of Expertise of Nature of Quarrying**

Quarry development is not the same in nature, scale and duration as other developments. Clearly, the ongoing extraction of aggregates in quarries is wholly different from other forms of “one-off” development such as houses, buildings and public infrastructure. This is due to a number of factors including the longevity of extraction activities, the range of impacts and the cyclical demand patterns for materials. Technically, extractive developments are a continuous combination of ‘works’ and ‘use’ unlike other developments which expand in discrete steps. Consequently, much national legislation is not written with quarries in mind, resulting in the need for further clarification and request for information leading to inevitable planning delays.

**(c) Decision Making Timeframes & Targets**

The statutory timeframe objectives for local authority and An Bord Pleanála decisions are not realistic in the case of extraction activities. The reality is that these target timeframes for decisions effectively prolong the duration of the planning process for quarries by encouraging ‘Requests for Further Information’ to avoid exceeding the target timeframes. In addition, the natural desire to meet statutory timeframes lends greater incentive to prioritise other more common and less complex forms of development such as housing.

Upon eventual emergence from the planning process, the grant of a planning permission is subject to planning conditions and a defined duration. Notwithstanding the complexity of the approval process, the duration of planning permissions for quarries range from as little as five years up to twenty five years. Permissions of five to ten years duration fail completely to grasp the scale of investment required to plan and manage the long term supply of aggregates to meet societal needs in a local area while also effectively stalling any future investment in plant, equipment and people by operators.

In summary, far from enabling ongoing extraction in a manner compatible with the environment, natural and cultural heritage and local residents, the duration and unwieldy nature of the planning process not only undermines ongoing access to aggregate reserves where they arise, it also adds great uncertainty to individual businesses, thereby directly impacting on investment in plant, machinery and people at individual enterprise level.



# 7. Recommendations

The Government has set ambitious objectives for the delivery of much needed homes and public infrastructure in Project Ireland 2040. It is crucial that the link is made between the need for Ireland's future housing and infrastructure and the raw material supply chain that enables those societal necessities to be delivered and that this raw material supply chain is identified and protected.

ICF recommends that the following proactive steps are taken by Government and other stakeholder organisations to ensure that future demand for aggregates can be supplied sustainably to ensure the achievement of Government's objectives.

## 1. National Aggregates Planning Policy

National policy makers must recognise that supply of aggregates cannot be assumed and must be planned, monitored and managed to ensure that future demand can be supplied in a sustainable manner and support growth in the economy. A national policy for aggregates must be developed by Government to underpin and inform local and regional planning policy and to promote the identification and protection of essential strategic reserves of aggregates throughout Ireland.

## 2. Identification and Protection of Aggregate Reserves

Drawing from the national policy, the three Regional Assemblies and individual Local Authorities should, as part of their development planning, have regard to and make provision for the protection of strategic aggregate resources within their functional areas.

Every local authority or area development plan should give due regard to the information contained in the Geological Survey Ireland Aggregate Potential Mapping resource maps when considering policy for the protection and zoning of raw material reserves. Geological Survey Ireland has undertaken a substantial body of work identifying the aggregate reserves of each county and planners should have regard to these databases and maps when considering planning applications.

Industry should have the opportunity to inform planning authorities on the location of substantial strategic aggregate reserves through the review of County Development Plans and Local Area Plans. Further development applications in the vicinity of these reserves should be considered having regard to the likely future development of these locally important reserves.

## 3. Decision Making Timeframes

The Environmental Impact Assessment (EIA) Regulations transposing the EIA Directive (2014) require that a meaningful scoping process is undertaken prior to submission of development applications. It is imperative that such a scoping process is implemented for all quarry planning applications and that planning authorities are sufficiently resourced to carry out this process in an effective manner. An effective pre-planning scoping process should reduce the level of additional detail required during application processing, thereby reducing the decision making timeframe. In addition, An Bord Pleanála should prioritise quarry development to ensure its statutory objective of deciding appeals within 18 weeks is achieved.



#### **4. Direct Planning Applications to An Bord Pleanála**

As practically all decisions by local authorities in respect of large scale extractive applications are appealed to An Bord Pleanála, a process to facilitate development applications directly to An Bord Pleanála should be introduced, subject to thresholds in terms of scale or output.

#### **5. Quarry Planning Permission Durations**

Given the highly capital intensive nature of the extractive industry in terms of plant, equipment, site infrastructure, landscaping and mitigation measures, the regulatory certainty needed for professional operators can only be provided by the granting of permissions of long term duration. Planning permission durations should be commensurate with the planned extraction of resources present which can often exceed 30 years where important and substantial reserves have been identified.

#### **6. Sufficient Planning Authorisations**

The planning system should ensure steady and adequate provision of aggregate supplies within the context of a supportive national policy, by issuing sufficient planning consents to meet demand and to help the extractive industry to thrive in a sustainable manner. Priority should be given to existing sites to ensure existing employment and investment is maintained.

#### **7. Enforcement**

Government must actively promote a strong and consistent commitment to enforcement by planning authorities of planning legislation to

protect and enhance Ireland's natural environment and ensure that only authorised operations can supply the marketplace.

#### **8. Public Procurement**

A policy of procuring materials only from authorised sources by the state and local authorities is essential to protect the environment and support compliant businesses.

#### **9. Recycling of Aggregates**

Government should adopt national end-of-waste criteria to facilitate the processing and reuse of recycled aggregates in the construction chain within a supportive planning framework.

#### **10. General Public**

Industry should work with Government and other stakeholder organisations to improve public understanding of the critical need for aggregates for the development of local communities.

#### **11. Sharing of Knowledge**

Proactive and practical steps to address knowledge and understanding gaps within the planning system on the unique nature, duration and impacts of quarrying should be taken by both the industry and planning authorities. Resources within the three regional assemblies should be pooled to avail of specialist expertise in local authorities. Geological Survey Ireland is a source of valuable expertise available to regional assemblies and local authorities. Industry will actively encourage and facilitate education and training days and events for planners in quarries.





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