Reason: To ensure that public Roads are not undermined in the interests of traffic and public safety.

Condition 35 – Access to Quarry

No access to the lands for the purposes of quarry operations shall be provided from the minor public road adjoining the quarry lands to the south or adjoining land outside of the blue land ownership line unless a separate planning permission for such development is granted.
Reason: To prevent endangering public safety by reason of traffic hazard having regard to the substandard condition of the road and in the interests of residential and rural amenity

Condition 36 – Screening of the Exposed Quarry Cliff Face

Within 3 months of the date of this decision, proposals prepared by a qualified Landscape Consultant to address and mitigate the impact of the exposed cliff face which is widely visible from areas to the north of the quarry site, particularly along the N7 and from areas to the north of the quarry shall be submitted for the written agreement of the Planning Authority.
Reason: To ensure the satisfactory rehabilitation of the site in the interests of residential and visual amenity and the proper planning and sustainable development of the area.

Condition 40 – Burning of Waste

No burning, disposal or mixing of waste materials or use of waste materials in boilers should take place without prior consent of the Local Authority.
Reason: In the interest of the proper planning and sustainable development of the area.

Condition 41 – Waste Management

Applicant shall ensure that extractive waste is managed without endangering human health and without using processes or methods which could harm the environment, and in particular without risk to water, air, soil, and fauna and flora, without causing a nuisance through noise or odours and without adversely affecting the landscape or places of special interest in accordance with Regulation 4(1) of Waste Management (Management of Waste from Extractive Industries) Regulations 2009. Applicant must therefore familiarise himself with the provisions of the Waste Management (Management of Waste from Extractive Industries) Regulations 2009.
Reason: In the interests of the proper planning and sustainable development of the area.

Condition 42 – Non- extractive Waste Management

Applicant must ensure that other waste beyond extractive waste such as waste streams arising from other ancillary activities including manufacturing of concrete and bituminous mixes/ asphalt (canteen food waste), scrap machinery, tyres, construction

and demolition waste and sludge type material) are managed in accordance with the other relevant regulations of Waste Management Act 1996 as amended.
Reason: In the interests of the proper planning and sustainable development of the area.

Condition 43 – Waste Storage Management
Applicant shall use designated storage areas for particular waste types and authorised waste collectors for the collection, reuse, and disposal of waste oils, batteries, tyres, domestic waste and scrap metal in compliance with the relevant regulations of the Waste Management Act 1996 as amended.
Reason: In the interests of the proper planning and sustainable development of the area.

Condition 44 – Extractive Waste Management Plan

The applicant shall draw up a waste management plan (to be known as an Extractive Waste Management Plan) for minimisation, treatment, recovery and disposal of extractive waste taking account of the principle of sustainable development. This plan shall be drawn up in accordance with regulation 5 of the Waste Management (Management of Extractive Waste from extractive industries) Regulation 2009. The plan shall also contain an audit of extractive waste arising per annum and other waste per annum arising from ancillary operations such as bituminous, asphalt and concrete production. This plan shall be reviewed every 5 years as per Regulation 5 (4) of the Waste Management (Management of Extractive Waste from extractive industries) Regulation 2009. The plan should be drawn up within three months after the approval of this application.
Reason: In the interests of the proper planning and sustainable development of the area.

Condition 45 – Imported Waste Management
Applicants shall ensure that imported waste to site is authorised by South Dublin County Council in accordance with Waste Management (Waste Facility and Registration) Regulations 2007 as amended.
Reason: In the interests of the proper planning and sustainable development of the area.

Condition 46 – Waste Facility Permits
Applicant shall comply at all times with all conditions of existing waste facility permits and Water Pollution discharge licence and no development or change of use shall be undertaken that would conflict with such permits without prior approval.
Reason: In the interests of the proper planning and sustainable development of the area.

Condition 47 – Annual Environmental Report
In addition to provide an Annual Environmental Report required under the existing Certificate of Registration, the applicant shall provide an overarching Annual Environmental Report for management of extractive waste and other waste streams resulting from ancillary operations such as bituminous, asphalt and concrete production. This annual Environmental Report shall include as a minimum the

following information and shall be prepared in accordance with any relevant guidelines issued by the South Dublin County Council.

a) Details of any non-compliances with substitute consent conditions
b) The management and staffing structure of the facility
c) Any court order or conviction under the act
d) The quantity (in tonnes), composition and origin of all extractive wastes and other waste streams from ancillary operations during the reporting year (by European Waste Catalogue code(s) and description(s) pursuant to Commission Decision 2001/118/EC of 16 January 2001 or subsequent amendments
e) Quantities (in tonnes), composition, and destination of extractive waste and other waste stream from ancillary operations consigned for onward transport to recovery from the facility within the reporting year(by European Waste Catalogue code(s), and description(s) pursuant to Commission Decision 2001/118/EC of 16 January 2001 or subsequent amendments.
f) Quantities (in tonnes), composition, and destination of extractive waste and other waste stream from ancillary operations consigned for onward transport to disposal from the facility within the reporting year (by European Waste Catalogue code(s), and description(s) pursuant to Commission Decision 2001/118/EC of 16 January 2001 or subsequent amendments.
g) Dates of the construction and demolition waste crushing activity during the reporting year and details pf the quantity of waste processed
h) The names of the agent and the carrier of the waste, and their waste collection permit details (to include issuing authority and vehicle registration number)
i) TFS details for the waste materials sent off-site for recovery/disposal within the reporting year (if applicable)
j) Any load rejected at the site
k) Reportable incidents during the reporting year
l) All complaints received during the year
m) The destination of all extractive wastes and other waste streams from ancillary operations transported from the facility during the year
n) Schedule of environmental improvements on the facility for the reporting year
o) Results of any environmental monitoring carried out at the facility
p) Review of Environmental Liabilities
q) Report on Insurances
r) Report on Financial provisions

Note: This requirement is in addition to the Annual Environmental Audit requirement set out in condition 11 above

ROADS

9.3.2 a) Within 6 months of this permission for consent proposals for an upgraded access junction at the N7 shall be submitted for the written agreement of the Planning Authority, which shall include the lands necessary to implement the layout revisions as prescribed in the current TII guidelines in relation to nose, auxiliary lanes and tapers in the vicinity of the site entrance junction (Lands located within the blue line and within the ownership of the applicant).
b) the applicant shall submit a revised site entrance layout onto the N7 conforming to the current TII guidelines on accesses onto National Roads. In particular, the applicant shall ensure the revised layout conforms to the following key parameters:

- Nose length of 75m with a ratio of 1:25 shall be provided for the merge,

  and a nose length of 70m with a ratio of 1:15 shall be provided for the diverge;

- Auxiliary lane shall be extended 160m for merge, 150m for diverge; and

- Auxiliary lane taper shall be extended to 75m for the merge and 70m for the

  diverge.

c) Within a timeframe to be agreed in writing with the Planning Authority but shall be no later than two years after the date of this permission the upgraded junction shall be in place and fully operational in accordance to items a) and b).

ENVIRONMENTAL HEALTH

9.3.3 Dust

a. The applicant shall prepare a programme for the identification and reduction of fugitive emissions using an appropriate combination of best available techniques, which shall be submitted for the written agreement of the Planning Authority within 6 months of the date of the final permission. This programme shall be included in the Environmental Management Programme.
b. The total dust deposition (soluble and insoluble) at the site boundary shall not exceed 350 mg/m^2 /day (when averaged over a 30-day period). This shall be measured using the Bergerhoff Method (German standard VDI 2119, 1972) The number and position of dust monitoring points shall be agreed in writing with the Planning Authority within 6 months of the date of the final permission.
c. Results of the continuous monitoring shall be forwarded to the Planning Authority on a quarterly basis, the quarters being January-March, April-June, July-September, October- December. Results for each quarter shall be submitted for the written agreement of the Planning Authority by the last day of the first month of the following quarter.

9.3.4 Noise

a. Noise from all quarry activities shall not exceed the following noise emission limit values at the nearest noise sensitive receptor.

Daytime 08:00-20:00 hrs Night time 20:00-08:00

LAeq (1hr) =55dBA LAeq (1 hr) = 45 dBA

b. Audible tones or impulsive noise shall only take place between the hours of 8.00am and 20.00pm and shall not take place between the hours of 20.00 in the evening and 8.00am in the morning.

c. Monitoring shall be carried out by or on behalf of the quarry during each quarter, the quarters being January-March, April-June, July-September, October-December. Results for each quarter shall be submitted for the written agreement of the Planning Authority by the last day of the first month of the following quarter.

9.3.5 Vibration

a. Ground Borne vibration shall not exceed the following Emission Limit Value at the site boundary: Peak Particle Velocity = 12 mm/s, measured in any of the three mutually orthogonal directions at the receiving location (for vibration with a frequency of less than 40 Hz).

b. Air Overpressure shall not exceed the following Emission Limit Value at the site boundary: 125 dB (Linear maximum peak value) with a 95% confidence limit.

c. Every blast shall be monitored at the site boundary. **The number and location of blast monitors shall be agreed in writing with the Planning Authority within 6 months of the date of this permission.**

d. Normal hours of blasting shall be between 09:00 -18:00 hrs Monday to Friday. Advance notification of blasting shall be given to nearby residents through use of written letters, signage at site entrance, telephone or warning sirens.

e. Blast/vibration monitoring shall be submitted every quarter, the quarters being January-March, April-June, July-September, October-December. Results for each quarter shall be submitted by the last day of the first month of the following quarter.

f. Any exceedance of any of these criteria shall be notified to the local authority and shall be submitted for the written agreement of the Planning Authority. The reason for this exceedance shall be clearly demonstrated and all measures that have been put in place on a permanent or temporary basis after that to prevent the recurrence of the exceedance shall be submitted for the written agreement of the Planning Authority.

g. Note: The current environmental standards for noise, vibration and dust, contained in the Environmental Protection Agency document "Environmental Management in the Extractive Industry (non scheduled Minerals)" are referred to. Should these standards be revised in the future or should new standards be introduced, either by legislation or guidance, from the Environmental Protection Agency or its successor, the quarry operations shall be carried out in compliance with the revised standards.

WATER SERVICES

9.3.6 The applicant shall submit a drawing in plan outlining the existing and proposed water supply layout for the development. Maps of the public watermains and Wastewater drainage networks may be obtained, if available, for required locations in by emailing: datarequests@water.ie. Where a water supply connection is required, the applicant shall engage with Irish Water through the submission of a Pre-Connection Enquiry (PCE) in order to determine the feasibility of connection to the public water infrastructure. The Confirmation of Feasibility (COF) shall be submitted for the written agreement of the Planning Authority Pre-connection enquiries can be made at https://www.water.ie/connections/get-connected/.

Reason: In the interest of public health and to ensure adequate water facilities.

9.3.7 The proposed development is in close proximity to a 1270mm concrete public watermain which runs through the site from west to east. The applicant shall submit a drawing in plan and cross-sectional views which clearly shows the distance between all existing structures and the public watermain as well as existing cover levels over the watermain. The applicant shall engage with Irish Water's diversions section to assess feasibility of existing design and determine what the required separation distance is from the existing public watermain traversing the site. The outcome of this engagement with Irish Water's diversions shall be submitted for the written agreement of the Planning Authority.

Reason: In the interest of public health and to ensure adequate water facilities.

9.3.8 All works on site shall comply with the Irish Water Standard Details & Code of Practice for Water Infrastructure

Reason: In the interest of public health and to ensure adequate water facilities.

9.3.9 The applicant shall submit surface water drainage plans for the development. The applicant shall submit a drawing showing existing surface water drainage layouts including attenuation and pollution mitigation devices up to and including the point of connection to the public surface water sewer. The drawing shall include the location of all Aj's, manholes, pipe size, material type and direction of flow. The drawing shall clearly show that the foul and surface water systems are discharging to separate pipe networks. Maps of the mains foul and surface water drainage networks may be obtained, if available, for required locations in South Dublin County Council by emailing: *servicemaps@sdublincoco.ie*. All works are to comply with the Greater Dublin Regional Code of Practice for Drainage Works.

9.3.10 The applicant shall submit design calculations and plans clearly showing how surface water up to and including the 1:100 (1%) year critical storm with climate change allowance will be attenuated on site and discharged at no greater than pre-developed greenfield run off rates.

9.3.11 The applicant shall submit a drawing showing plan and cross sectional views of existing SuDS (Sustainable Drainage Systems) features for the development. These shall be maximised within the surface water design strategy for the development.

9.3.12 The applicant shall clearly demonstrate how surface water run off is cleansed of silt and other pollutants such as hydrocarbons on site prior to discharging to the public surface water network and/or watercourse. This also relates to existing wheelwash facilities. Only clean uncontaminated water shall be discharged to the public surface water network and/or watercourse.

9.3.13 The applicant shall submit a drawing showing plans, locations and details of all water pollution mitigation measures, for the written agreement of the Planning Authority.

9.3.14 Fuel tank leakages shall not allow polluted water to enter surface water drainage network. The applicant shall demonstrate that all works comply with the Greater Dublin Regional Code of Practice for Drainage Works in this regard.

9.3.15 The applicant shall show the locations of existing petrol / oil interceptors on site. All petrol/oil interceptors on the surface water drainage network shall be of Class 1 standard as per the requirements of the Greater Dublin Regional Code of Practice for Drainage Works.

FOUL DRAINAGE

9.3.16 The applicant shall submit a drawing showing existing foul water drainage layouts up to and including the point of connection to the public foul water sewer. The drawing shall include the location of all Aj's, manholes, pipe size, material type and direction of flow. The drawing shall clearly show that the foul and surface water systems are discharging to separate pipe networks. Maps of the public watermains and Wastewater drainage networks may be obtained, if available, for required locations in by emailing: datarequests@water.ie. Where a wastewater connection is required the applicant shall engage with Irish Water through the submission of a Pre-Connection Enquiry (PCE) in order to determine the feasibility of connection to the public wastewater drainage infrastructure. The Confirmation of Feasibility (COF) shall be submitted for the written agreement of the Planning Authority. Pre-connection enquiries can be made at https://www.water.ie/connections/get-connected/.
Reason: In the interest of public health and to ensure adequate water facilities

9.3.17 All works shall comply with the Irish Water Standard Details & Code of Practice for Waste Water Infrastructure
Reason: In the interest of public health and to ensure adequate water facilities.

DEVELOPMENT CONTRIBUTIONS

9.3.18 The developer shall pay to the Planning Authority a financial contribution of €120,960 (one hundred and twenty thousand, nine hundred and sixty Euro), in respect of public infrastructure and facilities benefiting development within the area of the Planning Authority, that is provided, or intended to be provided by or on behalf of the authority, in accordance with the terms of the Development Contribution Scheme 2021 - 2025, made under Section 48 of the Planning and Development Acts 2000-2011 (as amended).
The contribution shall be paid prior to commencement of development, or in such phased payments as the Planning Authority may facilitate. Contributions shall be payable at the rate pertaining to the year in which implementation of the planning permission is commenced as outlined in the South Dublin County Council Development Contribution Scheme 2021 - 2025.
REASON: The provision of such facilities will facilitate the proposed development. It is considered reasonable that the payment of a contribution be required, in respect of public infrastructure and facilities benefiting development in the area of the Planning Authority and that is provided, or that is intended will be provided, by or on behalf of the Local Authority

Tracy McGibbon
Tracy McGibbon
A/Senior Executive Planner

Date: 18/8/21

Jason Frehill
Jason Frehill, Senior Planner

APPENDICIES

Appendix 1: Parks and Public Realm Report

Appendix 2: Water and Drainage Report

Surface Water Report: **Further Information Required:**

1.1 The applicant has not submitted surface water drainage plans for the proposed development. The applicant is required to submit a drawing showing existing and proposed surface water drainage layouts including attenuation and pollution mitigation devices up to and including the point of connection to the public surface water sewer. The drawing shall include the location of all Aj's, manholes, pipe size, material type and direction of flow. The drawing shall clearly show that the foul and surface water systems are discharging to separate pipe networks. Maps of the mains foul and surface water drainage networks may be obtained, if available, for required locations in South Dublin County Council by emailing: *servicemaps@sdublincoco.ie*. All works are to comply with the Greater Dublin Regional Code of Practice for Drainage Works.

1.2 It is unclear how surface water is managed and attenuated on site to and how discharge is limited to greenfield run off rates. The applicant shall submit a design calculations and plans clearly showing how surface water up to and including the 1:100 (1%) year critical storm with climate change allowance will be attenuated on site and discharged at no greater than pre-developed greenfield run off rates.

1.3 The applicant shall submit a drawing showing plan and cross sectional views of existing and proposed SuDS (Sustainable Drainage Systems) features for the development. These shall be maximised within the surface water design strategy for the development.

1.4 The applicant is required to show how surface water run off is cleansed of silt and other pollutants such as hydrocarbons on site prior to discharging to the public surface water network and/or watercourse. This also relates to proposed/existing wheelwash facilities. Only clean uncontaminated water shall be discharged to the public surface water network and/or watercourse. The applicant shall also show the locations of proposed and existing petrol / oil interceptors on site.

1.5 The applicant is required to submit a drawing showing plans, locations and details of all proposed water pollution mitigation measures detailed within chapter 6 of the submitted EIAR.

1.6 Fuel tank leakages must not allow polluted water to enter surface water drainage network. All works shall comply with the Greater Dublin Regional Code of Practice for Drainage Works in this regard.

1.7 The applicant shall also show the locations of proposed and existing petrol / oil interceptors on site.. All petrol/oil interceptors proposed on the surface water drainage network shall be of Class 1 standard as per the requirements of the Greater Dublin Regional Code of Practice for Drainage Works.

Flood Risk **Further Information Required:**

2.1 The applicant is required to submit a site-specific flood risk assessment report with the inclusion of a justification test where applicable in compliance with OPW Flood Risk Management Guidelines for Planning Authorities. The report shall outline details of the measures and design features to prevent/mitigate the risk of flooding to the proposed development and to adjoining lands.

2.2 The applicant shall submit plans showing the location of the proposed development in relation to surrounding flood zones identified on the OPW CFRAM maps.

- The Developer shall ensure that there is complete separation of the foul and surface water drainage for the proposed development.
- All new precast surface water manholes shall have a minimum thickness surround of 150mm Concrete Class B.
- All works for this development shall comply with the requirements of the Greater Dublin Regional Code of Practice for Drainage Works.

Water Report: **Referred to IW**
Refer to EHO

Foul Drainage Report: **Referred to IW**
Refer to EHO

Signed: _____ Date: _____
Ronan Toft AE

Endorsed: _____ Date: _____
Chris Galvin SE.

Appendix 3 - Roads Department Report

Register Reference:	**ABP-310461-21** **Date: 05-August-2021**
Development:	**The development consists of a quarry over an area of 28.8 ha. with a current average working depth of approximately 173 mAOD and final floor of approximately 150 mAOD. The reserve consists of sandstone (greywacke) and is extracted by blasting and mechanical means. The excavated material is crushed at the working face by mobile plant and transported to a central plant area for washing, grading and processing. The quarry is accessed at a single location from the N7 and holds a centrally located existing administration and processing plant area over approximately 5 ha. that currently holds 2 no. office buildings, 4 no. portacabins, 4 no. containers, 2 no. storage / maintenance sheds, a storage / drying shed, water recycling unit and silt press, an asphalt plant, a concrete plant and washing, crushing, screening and bagging plants. Also, within this plant and administration area are 2 no. weighbridges, 4 no. wheel washes, fuel storage and refuelling area, 1 no. operations water well and sewage holding tank. The concrete plant and the storage / drying shed within this central administration and processing plant area have been erected within the last three years and are not part of this application. They will be the subject of a separate planning application process. The application site is contained within a quarry area registered in 2005 under S.261 and assessed in 2012 under S.261A (ref. no. SDQU05A/04) by the local planning authority. The S.261A notice was reviewed under An Bord Pleanála ref. 06S.QV.0090 resulting in a requirement for application for substitute consent accompanied by remedial Environmental Impact Assessment Report (rEIAR). That application (ref. no. PL06S.SU0068) was made in 2013 and has been superseded** **By High Court Order (2018 No. 929 JR) that inter alia ordered the making of this application. This application is made concurrent with an application to further develop the quarry at this location, also part of that Order. The application is accompanied by a remedial Environmental Impact Assessment Report (rEIAR). The rEIAR is for an EIA project unit over 46.14 ha. that encompasses the area of the substitute consent application, the concurrent further development of the quarry application under S.37L and the quarry as registered under S.261.**
Location:	**Windmillhill Road, Rathcoole, Co. Dublin**
Applicant:	**Laurence Behan**
App. Type:	**Application for Substitute Consent**
Planning Officer:	**TRACY MCGIBBON**
Date Recd:	**05-August-2021**

Description:

The development consists of a quarry over an area of 28.8 ha. with a current average working depth of approximately 173 mAOD and final floor of approximately 150 mAOD. The reserve

consists of sandstone (greywacke) and is extracted by blasting and mechanical means. The excavated material is crushed at the working face by mobile plant and transported to a central plant area for washing, grading and processing. The quarry is accessed at a single location from the N7 and holds a centrally located existing administration and processing plant area over approximately 5 ha. that currently holds 2 no. office buildings, 4 no. portacabins, 4 no. containers, 2 no. storage / maintenance sheds, a storage / drying shed, water recycling unit and silt press, an asphalt plant, a concrete plant and washing, crushing, screening and bagging plants. Also, within this plant and administration area are 2 no. weighbridges, 4 no. wheel washes, fuel storage and refuelling area, 1 no. operations water well and sewage holding tank.

Traffic and Transport Assessment

The quarry operates 5.5 days per week and 50 weeks per year. The extracted stone material is typically transported in 10 and 20 tonne loads.The Average Annual Daily Traffic (AADT) figures have been recorded by the TII's traffic conte which is located between junction 5 Athgoe and junction 6 Castlewarden.The traffic generated by the quarry represent between 0.19% and 2.36% of total traffic on the N7 national Road between 1990 and 2020.

The trip generation and volume of exported material is shown on Table 11.1 below: It shows that since 2015, 1 million tonnes per annum are extracted from the existing quarry. This equates to 290 loads per day leaving the site and a total of 580 HGV round trips using the site access.

In addition to the stone delivery trips, there are currently and average of 144 staff trips, and 156 ancillary trips per day using the site entrance per day.

Table 11.1: Derived Trip Generation - Extraction of Material

Year	Material Extraction				
	Tonnes per annuum	Tonnes per week	Loads per week	Loads per day	Trips per day (HGVs)
1990	540,000	10,800	864	157	314
1991	540,000	10,800	864	157	314
1992	432,000	8,640	691	126	252
1993	432,000	8,640	691	126	252
1994	432,000	8,640	691	126	252
1995	432,000	8,640	691	126	252
1996	432,000	8,640	691	126	252
1997	432,000	8,640	691	126	252
1998	560,000	11,200	896	163	326
1999	560,000	11,200	896	163	326
2000	560,000	11,200	896	163	326
2001	560,000	11,200	896	163	326
2002	560,000	11,200	896	163	326
2003	560,000	11,200	896	163	326
2004	500,000	10,000	800	145	290
2005	500,000	10,000	800	145	290
2006	500,000	10,000	800	145	290
2007	1,000,000	20,000	1,600	291	582
2008	1,000,000	20,000	1,600	291	582
2009	1,000,000	20,000	1,600	291	582
2010	50,000	1,000	80	15	30
2011	50,000	1,000	80	15	30
2012	50,000	1,000	80	15	30
2013	50,000	1,000	80	15	30
2014	580,000	11,600	928	169	338
2015	1,000,000	20,000	1,600	291	582
2016	1,000,000	20,000	1,600	291	582
2017	1,000,000	20,000	1,600	291	582
2018	1,000,000	20,000	1,600	291	582
2019	1,000,000	20,000	1,600	291	582
2020	1,000,000	20,000	1,600	291	582

Access Road Junction Layout:

The red line for the extension of the quarry application (ABP-310466-21) does not extend to the N7 access to the site. Any proposals of this kind should demonstrate an analysis of the access and egress from the site and recommending measures to protect the safe use of this access.

The access to the quarry is situated centrally on the northern boundary of the quarry and this connects to the westbound carriageway of the N7. The site access is a left in left out arrangement.

The access road junction was constructed in 2006. A design assessment of this junction was carried out in accordance with Chapter 2 of the TII Publications document DN-GEO-03035, version 4, 'NRA addendum to Standard TD22/92-Layout of grade separated junctions' which was the relevant design standard at the time of construction. The assessment determined

that the junction did not meet the required geometric parameters for the merge and diverge layout in accordance with the relevant standards at the time. However, a divergent auxiliary lane was incorporated into the design which exceeded the required design standards required at the time.

Current Junction Design Guidelines:

The current relevant junction design guidelines require:

1. Nose length of 75m with a ratio of 1:25 to be provided for the merge, and a nose length of
   70m with a ratio of 1:15 to be provided for the diverge;

2. Auxilliary lane to be extended 160m for merge, 150m for diverge; and

3. Auxilliary lane taper to be extended to 75m for the merge and 70m for the diverge.

The applicant does not intend to implement these standards because there is an existing access to the east of the site access that would be affected by these changes, and the applicant believes the divergent layout has worked satisfactorily up to now.

SDCC roads department note the applicants blue line ownership extends approximately 350m east of the site entrance. The roads department do not understand why the necessary nose, auxiliary lanes and tapers cannot be delivered. The necessary land to the west of the site entrance is also in the ownership of the applicant. The access layouts for the merging and diverging lanes connecting to the N7 should be upgraded and improved in accordance with the current TII design requirements.

Dust:
It is mentioned in Air Quality section of the rEIAR that site specific mitigation measures have been employed on since 1990 to ensure that the impacts of dust are controlled. The roads department suggest that a copy of these Site-Specific mitigation measures is submitted as a record of the dust control protocol.

No Roads objections subject to the following conditions:

1. The Red line boundary shall be extended to include the area around the site access junction at the N7 and include the lands necessary to implement the layout revisions as prescribed in the current TII guidelines in relation to nose, auxiliary lanes and tapers in the vicinity of the site entrance junction.

2. Prior to commencement, the applicant shall submit an agreed revised site entrance layout onto the N7 conforming to the current TII guidelines on accesses onto National Roads. In particular, the applicant must ensure the revised layout conforms to these key parameters:

   - Nose length of 75m with a ratio of 1:25 to be provided for the merge,

     and a nose length of 70m with a ratio of 1:15 to be provided for the diverge;

   - Auxilliary lane to be extended 160m for merge, 150m for diverge; and

   - Auxilliary lane taper to be extended to 75m for the merge and 70m for the

diverge.

3. Prior to commencement, the applicant shall submit the current Site-Specific mitigation measures to control dust at the proposed site which have been employed since 1990.

Appendix 4 – Environmental Health Officer Report

ABP Reference:	ABP-310461-21
Development:	Quarrying
Location:	Windmill Hill, Rathcoole Co Dublin
Applicant:	**L Behan and Sons Ltd**
Application Type:	Substitute Consent
Planning Officer:	Tracey McGibbon

Application Summary

The application is for substitute consent pursuant to section 261A of the Planning and Development Acts 2000-2015.

The quarry carries out blasting and crushing of stone and stone product manufacture on site, together with the ancillary activities of asphalt manufacture and waste recycling.

The Environmental Health Department regulates the potential for nuisance from dust, noise and vibration from quarries using the EPA's guidance document "Environmental Management in the Extractive Industry (Non Scheduled Minerals)" which contains industry recognised Emission Limit Values.

I have reviewed the rEIA submitted in relation to air quality, noise and vibration. Sections 7 and 8 of the assessment specifically addresses these parameters.

Section 7 Air Quality. The assessment identifies dust particles, odours and miscellaneous emissions (asphalt plant odour, engine combustion exhaust etc.) as the main air quality considerations. Particular emphasis is given to the generation of dust as a potential nuisance

Section 8 Noise and Vibration. The assessment identifies quarry noise due to rock breaking, crushing and rock blasts as well as vibration from blasts as potential nuisance.

In reading and assessing the substitute consent application regard was given to the history of the quarry over the last seven years. In that time span monitoring data have been returned to Environmental Health Section South Dublin County Council.

It is important to note that this process of dust, noise and blast monitoring results occurred as a result of the application for substitute consent which was made in 2013.

The rEIA states that if permission is granted then a comprehensive Environmental Management Plan covering all of the above parameters will be drafted and submitted to the Planning Authority as part of any conditions specified.

South Dublin County Council Environmental Health Observations:

Should An Bord Pleannala decide to grant this substitute consent the following are Environmental Health Sections observations with respect to how parameters of dust, noise and vibration ought to be controlled:

Dust

1. The applicant should prepare a programme, to the satisfaction of the Local Authority, for the identification and reduction of fugitive emissions using an appropriate combination of best available techniques. This programme should be included in the Environmental Management Programme.
2. Total dust deposition (soluble and insoluble) at the site boundary should not exceed 350 mg/m^2 /day (when averaged over a 30-day period) This shall be measured using the Bergerhoff Method (German standard VDI 2119, 1972) **The number and position of dust monitoring points should be agreed with the Local Authority.**
3. Results of this continuous monitoring should be forwarded to the Local Authority on a quarterly basis, the quarters being January-March, April-June, July-September, October- December. Results for each quarter should be submitted by the last day of the first month of the following quarter.

Noise

d. Noise from all quarry activities should not exceed the following noise emission limit values at the nearest noise sensitive receptor.

Daytime	08:00-20:00 hrs	Night time	20:00-08:00
	LAeq (1hr) =55dBA		LAeq (1 hr) = 45 dBA

e. Audible tones or impulsive noise should not be at all at night.

f. Monitoring should be carried out by or on behalf of the quarry during each quarter, the quarters being January-March, April-June, July-September, October-December. Results for each quarter should be submitted by the last day of the first month of the following quarter.

Vibration

a. Ground Borne vibration should not exceed the following Emission Limit Value at the site boundary.

Peak Particle Velocity = 12 mm/s, measured in any of the three mutually orthogonal directions at the receiving location (for vibration with a frequency of less than 40 Hz)

b. Air Overpressure should not exceed the following Emission Limit Value at the site boundary.

125 dB (Linear maximum peak value) with a 95% confidence limit.

3. Every blast should be monitored at the site boundary. **The number and location of blast monitors to be agreed with the Local Authority.**

4. Normal hours of blasting should be between 09:00 -18:00 hrs Monday to Friday. Advance notification of blasting should be given to nearby residents through use of written letters, signage at site entrance, telephone or warning sirens.

5 Blast/vibration monitoring should be submitted every quarter, the quarters being January-March, April-June, July-September, October-December. Results for each quarter must be submitted by the last day of the first month of the following quarter.

6 Any exceedance of any of these criteria should be notified to the local authority. The expected reason for this exceedance must be given and the measures that have been put in place on a permanent or temporary basis after that to prevent the recurrence of the exceedance.

We have referred to current environmental standards for noise, vibration and dust, contained in the Environmental Protection Agency document "Environmental Management in the Extractive Industry (non scheduled Minerals)" Should these standards be revised in the future or should new standards be introduced, either by legislation or guidance, from the Environmental Protection Agency or it's successor, the quarry operations should be carried out in compliance with the revised standards.

Andrew Byrne
Environmental Health Officer
15th August 2021

Gillian Wynne
Senior Environmental Health Officer
15th August 2021

Appendix 5: Heritage Report -

Verbal Received (Phone Call 18th August 2021), raising the following issues:

1) Considerable concern regarding the lack of archaeologic investigations particularly given the discovery of several archaeological features south of the site (in vicinity of Windmill site) this all suggests an arch rich landscape in this area.
2) Loss of GI through this part of the landscape which has not been mitigated for by virtue of this development type.

Appendix 6: Irish Water

1 Water

1.1 The applicant is required to submit a drawing in plan outlining the existing and proposed water supply layout for the development. Maps of the public watermains and Wastewater drainage networks may be obtained, if available, for required locations in by emailing: datarequests@water.ie. Where a water supply connection is required the applicant is required to engage with Irish Water through the submission of a Pre-Connection Enquiry (PCE) in order to determine the feasibility of connection to the public water infrastructure. The Confirmation of Feasibility (COF) must be submitted to the planning department as the response to this further information request. Pre-connection enquiries can be made at https://www.water.ie/connections/get-connected/.

1.2 The proposed development is in close proximity to a 1270mm concrete public watermain which runs through the site from west to east. The applicant is required to submit a drawing in plan and cross sectional views which clearly shows the distance between all existing and proposed structures and the public watermain as well as existing and proposed cover levels over the watermain. The applicant shall engage with Irish Water's diversions section to assess feasibility of existing design and determine what the required separation distance is from the existing public watermain traversing the site. The outcome of this engagement with Irish Water's diversions shall be submitted to the planning authority as a response to Request for Further Information

1.3 All works are to comply with the Irish Water Standard Details & Code of Practice for Water Infrastructure

Reason: In the interest of public health and to ensure adequate water facilities.

2 Foul

2.1 The applicant is required to submit a drawing showing existing and proposed foul water drainage layouts up to and including the point of connection to the public foul water sewer. The drawing shall include the location of all Aj's, manholes, pipe size, material type and direction of flow. The drawing shall clearly show that the foul and surface water systems are discharging to separate pipe networks. Maps of the public watermains and Wastewater drainage networks may be obtained, if available, for required locations in by emailing: datarequests@water.ie. Where a wastewater connection is required the applicant is required to engage with Irish Water through the submission of a Pre-Connection Enquiry (PCE) in order to determine the feasibility of connection to the public wastewater drainage infrastructure. The Confirmation of Feasibility (COF) must be submitted to the planning department as the response to this further information request. Pre-connection enquiries can be made at https://www.water.ie/connections/get-connected/.

2.2 All works are to comply with the Irish Water Standard Details & Code of Practice for WasteWater Infrastructure

Reason: In the interest of public health and to ensure adequate water facilities.