

<b>1</b>	<b>INTRODUCTION, SCOPE &amp; METHODOLOGY</b>	
1.1	Requirement for EIAR .....	1-1
1.2	Structure and Content of the EIAR .....	1-2
1.3	Summary description of development the subject of EIAR .....	1-9
1.4	Limitations & Difficulties in Compiling the Specified Information (Schedule 6 of SI 600 of 2001, as amended) .....	1-14
1.5	EIAR Contributors and Guarantee of Competency and Independence .....	1-15
1.6	The Applicant/Developer .....	1-16
1.7	EIAR Process - Prediction of Impacts and Effects and Assessment of Mitigation Measures ...	1-17
1.8	The Need for the Development and Consideration of Alternatives .....	1-18
<b>2</b>	<b>PROJECT DESCRIPTION</b>	
2.1	Location of Subject Lands .....	2-1
2.2	Context and Landscape Character of Subject Lands .....	2-2
2.3	Proposed Development Site already part of an operational quarry .....	2-4
2.4	Description of Subject Lands .....	2-4
2.5	Description of the Project .....	2-12
2.6	Major Accidents and Disasters .....	2-17
<b>3</b>	<b>POPULATION &amp; HUMAN HEALTH</b>	
3.1	Introduction .....	3-1
3.2	Methodology .....	3-1
3.3	Baseline .....	3-12
3.4	Characteristics of the Proposed Development .....	3-23
3.5	Potential Effects .....	3-24
3.6	Cumulative Impacts .....	3-33
3.7	Do-Nothing Scenario .....	3-33
3.8	Mitigation Measures .....	3-33
3.9	Monitoring .....	3-33
3.10	Residual Effects .....	3-34
3.11	Difficulties Encountered .....	3-34
3.12	References .....	3-35
<b>4</b>	<b>ECOLOGY AND BIODIVERSITY</b>	
4.1	Introduction .....	4-1
4.2	Policy and legislation context .....	4-1
4.3	Assessment methodology and significance criteria .....	4-2
4.4	Ecological survey .....	4-3
4.5	Impact assessment method .....	4-6
4.6	Baseline Results .....	4-8
4.7	Evaluation .....	4-22
4.8	Impact Assessment .....	4-23
4.9	Mitigation, Compensation and Enhancement Measures .....	4-27
4.10	Residual effects .....	4-29
4.11	Cumulative impacts and Safeguarding Zones .....	4-29
4.12	Summary and Conclusions .....	4-30
4.13	References .....	4-31
<b>5</b>	<b>LAND, SOILS AND GEOLOGY</b>	
5.1	Introduction .....	5-1
5.2	Legislative and Policy Context .....	5-2
5.3	Assessment Methodology and Significance Criteria .....	5-4

5.4	Baseline Conditions .....	5-7
5.5	Characteristics of the Proposed Development .....	5-15
5.6	Potential Effects.....	5-16
5.7	‘Do-Nothing’ Scenario.....	5-20
5.8	Mitigation and Management .....	5-20
5.9	Residual Effects.....	5-20
5.10	Cumulative Impacts .....	5-20
5.11	References .....	5-23
<b>6</b>	<b>WATER</b>	
6.1	Introduction .....	6-1
6.2	Legislative and Policy Context.....	6-2
6.3	Assessment Methodology and Significance Criteria .....	6-5
6.4	Baseline Conditions .....	6-10
6.5	Hydrological and Hydrogeological Conceptual Model.....	6-41
6.6	Selection of Sensitive Receptors.....	6-41
6.7	Characteristics of the Development.....	6-43
6.8	Potential Effects.....	6-44
6.9	Mitigation Measures Required .....	6-50
6.10	Residual Effects.....	6-51
6.11	Cumulative Effects.....	6-51
6.12	Monitoring .....	6-51
6.13	Difficulties Encountered .....	6-52
6.14	Summary and Conclusions.....	6-52
6.15	References .....	6-53
<b>7</b>	<b>AIR QUALITY AND CLIMATE</b>	
7.1	Introduction .....	7-1
7.2	Policy & Legislation Context .....	7-4
7.3	Existing Environment.....	7-6
7.4	Assessment Methodology .....	7-13
7.5	Potential Effects.....	7-14
7.6	Climate Factors.....	7-15
7.7	Residual Impacts .....	7-19
7.8	Cumulative Impacts .....	7-19
7.9	Summary & Conclusion .....	7-19
<b>8</b>	<b>NOISE &amp; VIBRATION</b>	
8.1	Introduction .....	8-1
8.2	Legislation, Policy and Guidance .....	8-4
8.3	Assessment Methodology and Significance Criteria .....	8-8
8.4	Baseline Conditions .....	8-16
8.5	Potential Effects.....	8-18
8.6	Mitigation .....	8-22
8.7	Cumulative Effects.....	8-24
8.8	Residual/Likely Significant Noise & Vibration Impacts .....	8-25
8.9	Difficulties Encountered.....	8-25
8.10	Summary and Conclusions.....	8-25
8.11	References .....	8-27
<b>9</b>	<b>CULTURAL HERITAGE</b>	
9.1	Introduction .....	9-1

9.2	Legislative and Policy Context.....	9-3
9.3	Assessment Methodology and Significance Criteria .....	9-6
9.4	Baseline Conditions .....	9-9
9.5	Characteristics of the Proposed Development .....	9-15
9.6	Potential Effects.....	9-16
9.7	Mitigation and Management .....	9-19
9.8	Residual Effects.....	9-20
9.9	Cumulative Effects.....	9-22
9.10	Difficulties Encountered.....	9-22
9.11	Summary and Conclusions.....	9-23
9.12	References .....	9-24
<b>10</b>	<b>LANDSCAPE AND VISUAL</b>	
10.1	Introduction .....	10-2
10.2	Methodology .....	10-2
10.3	Receiving Environment.....	10-9
10.4	Proposed Development .....	10-21
10.5	Proposed Landscape Mitigation and Remediation Measures .....	10-21
10.6	Assessment of Effects .....	10-23
10.7	Conclusion .....	10-44
<b>11</b>	<b>TRAFFIC &amp; TRANSPORTATION</b>	
11.1	Introduction .....	11-1
11.2	Existing Conditions .....	11-3
11.3	Road Impacts.....	11-8
11.4	Road Safety .....	11-13
11.5	Conclusions .....	11-14
<b>12</b>	<b>MATERIAL ASSETS</b>	
12.1	Introduction .....	12-1
12.2	Legislative Requirements .....	12-1
12.4	Baseline .....	12-4
12.5	Characteristics of the Proposed Development .....	12-7
12.6	Potential Effects.....	12-8
12.7	Mitigation .....	12-13
12.8	Monitoring .....	12-13
12.9	Residual Effects.....	12-13
12.10	Cumulative Impacts .....	12-13
12.11	Difficulties Encountered.....	12-13
<b>13</b>	<b>INTERACTIONS AND INTER-RELATIONSHIPS</b>	
13.1	Introduction .....	13-1
13.2	Methodology .....	13-2
13.3	Conclusions .....	13-5
<b>14</b>	<b>MITIGATION AND MONITORING MEASURES</b>	
14.1	Introduction .....	14-1
14.2	Mitigation Measures .....	14-1
14.3	Monitoring Measures .....	14-1
14.4	Monitoring Measures .....	14-21

## APPENDICES

Appendix 1.1	2018 No. 929 JR - Final Perfected Order
Appendix 1.2	ABP Notice for Section 37L
Appendix 4.1	O'Donnell Environmental 2021, Ecological Report
Appendix 5.1	Borehole Logs
Appendix 6.1	River Quality Data Summary Table
Appendix 6.2	GW and SW Screening Table
Appendix 6.3	Laboratory Reports
Appendix 6.4	GW Level Summary Table
Appendix 7.1	Dust Assessment
Appendix 8.1	Calibration Certificates
Appendix 8.2	Noise Monitoring Data and Notes
Appendix 8.3	Vibration Monitoring Data
Appendix 9.1	Drawing – Cultural Heritage Assets and Study Area
Appendix 9.2	Cultural Heritage Gazetteer
Appendix 9.3	Geophysical Survey
Appendix 10.1	Proposed Landscape Mitigation (Drawing 214201-1-101/B)
Appendix 11.1	Traffic Surveys
Appendix 12.1	ESB Utility Maps
Appendix 12.2	GNI Utility Maps
Appendix 12.3	Irish Water Utility Maps