

| HASSETT LEYDEN & ASSOCIATES                                                                                                             |                                                                                                         |                                                                           | Hazard Identification and Design Risk Assessment             |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                      |                                                               |            |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                      |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
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| ROSLEVAN SHOPPING CENTRE, TULLA ROAD, ROSLEVAN, ENNIS, CO. CLARE,<br>T. (065) 6828422 FAX. (065) 6820379 Mail. hlamail@hassettleyden.ie |                                                                                                         |                                                                           | Discipline: Architecture                                     |            | <b>Assessment of Hazard (Severity)</b><br>5 - Death (death/multiple deaths)<br>4 - Long-term health consequence (disabling injury /chronic illness)<br>3 - Short-term health consequence (restricted work activity, strain/sprain)<br>2 - No significant health & safety consequence (first-aid)<br>1 - No health & safety consequence<br><br><b>Assessment of Risk (Likelihood):</b><br>5 - Highly likely<br>4 - Probable<br>3 - Possible<br>2 - Remote, Unlikely<br>1 - Highly unlikely (near negligible) |                                                                                                                                                                                      |                                                               |            |      | <table border="1"> <tr> <td>5</td><td>M</td><td>M</td><td>H</td><td>H</td><td>H</td></tr> <tr> <td>4</td><td>M</td><td>M</td><td>M</td><td>H</td><td>H</td></tr> <tr> <td>3</td><td>L</td><td>M</td><td>M</td><td>M</td><td>H</td></tr> <tr> <td>2</td><td>L</td><td>L</td><td>M</td><td>M</td><td>M</td></tr> <tr> <td>1</td><td>L</td><td>L</td><td>L</td><td>M</td><td>M</td></tr> <tr> <td></td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr> </table><br>SEVERITY<br><br>LIKELIHOOD |                                                                                                                                                                                                                                                                                                                                                                      |  |  |  | 5 | M | M | H | H | H | 4 | M | M | M | H | H | 3 | L | M | M | M | H | 2 | L | L | M | M | M | 1 | L | L | L | M | M |  | 1 | 2 | 3 | 4 | 5 |
| 5                                                                                                                                       | M                                                                                                       | M                                                                         | H                                                            | H          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                      |                                                               |            |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                      |  |  |  | H |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| 4                                                                                                                                       | M                                                                                                       | M                                                                         | M                                                            | H          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                      |                                                               |            |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                      |  |  |  | H |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| 3                                                                                                                                       | L                                                                                                       | M                                                                         | M                                                            | M          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                      |                                                               |            |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                      |  |  |  | H |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| 2                                                                                                                                       | L                                                                                                       | L                                                                         | M                                                            | M          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                      |                                                               |            |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                      |  |  |  | M |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| 1                                                                                                                                       | L                                                                                                       | L                                                                         | L                                                            | M          | M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                      |                                                               |            |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                      |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
|                                                                                                                                         | 1                                                                                                       | 2                                                                         | 3                                                            | 4          | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                      |                                                               |            |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                      |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| Project:                                                                                                                                | Houses at Cuil Greine, Donohill, Co. Tipperary                                                          |                                                                           | Planning:                                                    |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                      |                                                               |            |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                      |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| Client:                                                                                                                                 | Tipperary County Council                                                                                |                                                                           | Tender:                                                      | X          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                      |                                                               |            |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                      |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| Project No:                                                                                                                             | 2798                                                                                                    |                                                                           | Construction:                                                |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                      |                                                               |            |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                      |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| PSDP:                                                                                                                                   | Max Kraus                                                                                               |                                                                           | Maintenance:                                                 |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                      |                                                               |            |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                      |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| Date:                                                                                                                                   | 17/07/2026                                                                                              |                                                                           |                                                              |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                      |                                                               |            |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                      |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| No.                                                                                                                                     | Identified Hazards<br>Outline what the potential to cause harm is (to workers of members of the public) | Associated Risk<br>Outline any risk associated with the identified hazard | Initial Risk Rating<br><br>L = Low<br>M = Medium<br>H = High |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Design Mitigation / Control Measures Taken                                                                                                                                           | Residual Risk Rating<br><br>L = Low<br>M = Medium<br>H = High |            |      | Population Exposed<br><br>• Contractor<br>• Maintenance<br>• End User<br>• Others (List)                                                                                                                                                                                                                                                                                                                                                                                                           | Information to be forwarded to other Designers<br>Information to be forwarded to PSCS<br>Information to be forwarded to Contractors                                                                                                                                                                                                                                  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
|                                                                                                                                         |                                                                                                         |                                                                           | Severity                                                     | Likelihood | Risk                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                      | Severity                                                      | Likelihood | Risk |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                      |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| A) Particular Risks as set out in Schedule 1 of Safety, Health & Welfare at Work (Construction) Regulations, 2013.                      |                                                                                                         |                                                                           |                                                              |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                      |                                                               |            |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                      |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| 1a                                                                                                                                      | Working at height                                                                                       | Injury due to falling from a height                                       | 3                                                            | 2          | M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Due to the nature of the works working at height is unavoidable.<br><br>Contractor is to follow the HSA General Principles of Prevention for Managing Risks from Working at a Height | 2                                                             | 2          | L    | Contractor Maintenance                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | All works carried out at a height are to be from a safe, stable and guarded platform. No works at height are to be carried out from a ladder or other item to give access. The Contractor is to carry out a Risk Assessment before works commence. The Contractor is to follow the HSA General Principles of Prevention for Managing Risks from Working at a Height. |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| 1b                                                                                                                                      | Entrapment / burial due to sudden collapse of excavation banks.                                         | Burial under earth falls                                                  | 2                                                            | 1          | L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Works resulting in burial under earthfalls minimised.                                                                                                                                | 1                                                             | 1          | L    | Contractor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Adequate battering of trench sides shall be carried out as the trench excavation proceeds or adequate trench side supports shall be installed and fully braced.<br><br>Adequate side slopes or trench side supports to be provided while back fill material in the trenches is being compacted by whacker or vibrating roller                                        |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| 1c                                                                                                                                      | N/A                                                                                                     | Engulfment in swampland                                                   |                                                              |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | N/A                                                                                                                                                                                  |                                                               |            |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                      |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |

| HASSETT LEYDEN & ASSOCIATES                                                                                                             |                                                                                                         |                                                                           | Hazard Identification and Design Risk Assessment         |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                            |                                                           |                |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                         |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
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| ROSLEVAN SHOPPING CENTRE, TULLA ROAD, ROSLEVAN, ENNIS, CO. CLARE,<br>T. (065) 6828422 FAX. (065) 6820379 Mail. hlamail@hassettleyden.ie |                                                                                                         |                                                                           | Discipline: Architecture                                 |                | Assessment of Hazard (Severity)<br>5 - Death (death/multiple deaths)<br>4 - Long-term health consequence (disabling injury /chronic illness)<br>3 - Short-term health consequence (restricted work activity, strain/sprain)<br>2 - No significant health & safety consequence (first-aid)<br>1 - No health & safety consequence<br>Assessment of Risk (Likelihood):<br>5 - Highly likely<br>4 - Probable<br>3 - Possible<br>2 - Remote, Unlikely<br>1 - Highly unlikely (near negligible) |                                                                            |                                                           |                |      | SEVERITY<br><table border="1"> <tr><td>5</td><td>M</td><td>M</td><td>H</td><td>H</td><td>H</td></tr> <tr><td>4</td><td>M</td><td>M</td><td>M</td><td>H</td><td>H</td></tr> <tr><td>3</td><td>L</td><td>M</td><td>M</td><td>M</td><td>H</td></tr> <tr><td>2</td><td>L</td><td>L</td><td>M</td><td>M</td><td>M</td></tr> <tr><td>1</td><td>L</td><td>L</td><td>L</td><td>M</td><td>M</td></tr> <tr><td></td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr> </table> LIKELIHOOD |                                                                                                                                                                                                                                                                                                                         |  |  |  | 5 | M | M | H | H | H | 4 | M | M | M | H | H | 3 | L | M | M | M | H | 2 | L | L | M | M | M | 1 | L | L | L | M | M |  | 1 | 2 | 3 | 4 | 5 |
| 5                                                                                                                                       | M                                                                                                       | M                                                                         | H                                                        | H              | H                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                            |                                                           |                |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                         |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| 4                                                                                                                                       | M                                                                                                       | M                                                                         | M                                                        | H              | H                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                            |                                                           |                |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                         |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| 3                                                                                                                                       | L                                                                                                       | M                                                                         | M                                                        | M              | H                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                            |                                                           |                |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                         |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| 2                                                                                                                                       | L                                                                                                       | L                                                                         | M                                                        | M              | M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                            |                                                           |                |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                         |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| 1                                                                                                                                       | L                                                                                                       | L                                                                         | L                                                        | M              | M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                            |                                                           |                |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                         |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
|                                                                                                                                         | 1                                                                                                       | 2                                                                         | 3                                                        | 4              | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                            |                                                           |                |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                         |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| Project:                                                                                                                                | Houses at Cuil Greine, Donohill, Co. Tipperary                                                          |                                                                           | Planning:                                                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                            |                                                           |                |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                         |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| Client:                                                                                                                                 | Tipperary County Council                                                                                |                                                                           | Tender:                                                  | X              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                            |                                                           |                |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                         |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| Project No:                                                                                                                             | 2798                                                                                                    |                                                                           | Construction:                                            |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                            |                                                           |                |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                         |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| PSDP:                                                                                                                                   | Max Kraus                                                                                               |                                                                           | Maintenance:                                             |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                            |                                                           |                |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                         |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| Date:                                                                                                                                   | 17/07/2026                                                                                              |                                                                           |                                                          |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                            |                                                           |                |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                         |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| No.                                                                                                                                     | Identified Hazards<br>Outline what the potential to cause harm is (to workers of members of the public) | Associated Risk<br>Outline any risk associated with the identified hazard | Initial Risk Rating<br>L = Low<br>M = Medium<br>H = High |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Design Mitigation / Control Measures Taken                                 | Residual Risk Rating<br>L = Low<br>M = Medium<br>H = High |                |      | Population Exposed<br>• Contractor<br>• Maintenance<br>• End User<br>• Others (List)                                                                                                                                                                                                                                                                                                                                                                                                  | Information to be forwarded to other Designers<br>Information to be forwarded to PSCS<br>Information to be forwarded to Contractors                                                                                                                                                                                     |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
|                                                                                                                                         |                                                                                                         |                                                                           | Seve<br>rity                                             | Likeli<br>hood | Risk                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                            | Seve<br>rity                                              | Likeli<br>hood | Risk |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                         |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| 2                                                                                                                                       | Risk from chemical or biological substances.                                                            | Substances which pose a danger to the safety and health of persons.       | 4                                                        | 3              | M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Such substances should only be used where their use is deemed unavoidable. | 3                                                         | 1              | L    | Contractor                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Written risk assessments are to be carried out by a competent person to determine the appropriate control procedures to be put in place. Any control procedures to be included in the Site Specific Safety Plan. MSDS to be supplied for all such materials, kept on site, & included in the Site Specific Safety Plan. |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| 3                                                                                                                                       | Works with Ionizing Radiation                                                                           | N/A                                                                       |                                                          |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                            |                                                           |                |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                         |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| 4                                                                                                                                       | Work near high voltage power lines.                                                                     | Refer to Service Engineer's DRAs                                          |                                                          |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                            |                                                           |                |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                         |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| 5                                                                                                                                       | Work exposing persons at work to the risk of drowning.                                                  | N/A                                                                       |                                                          |                | L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                            |                                                           |                | L    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                         |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| 6                                                                                                                                       | Work on wells, underground earthworks and tunnels.                                                      | N/A                                                                       |                                                          |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | N/A                                                                        |                                                           |                |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | N/A                                                                                                                                                                                                                                                                                                                     |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| 7                                                                                                                                       | Work carried out by divers at work having a system of air supply.                                       | N/A                                                                       |                                                          |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | N/A                                                                        |                                                           |                |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | N/A                                                                                                                                                                                                                                                                                                                     |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| 8                                                                                                                                       | Work carried out in a caisson with a compressed-air atmosphere.                                         | N/A                                                                       |                                                          |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | N/A                                                                        |                                                           |                |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | N/A                                                                                                                                                                                                                                                                                                                     |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| 9                                                                                                                                       | Work involving the use of explosives.                                                                   | N/A                                                                       |                                                          |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | N/A                                                                        |                                                           |                |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | N/A                                                                                                                                                                                                                                                                                                                     |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |

| HASSETT LEYDEN & ASSOCIATES                                                                                                             |                                                                                                         |                                                                                                                                                                                                                                      | Hazard Identification and Design Risk Assessment         |                |                                                                                                                                                                                                                                                                                                                                 |                                                                                               |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                           |              |                |                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
|-----------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|--|--|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|--------------|----------------|--------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|---|---|---|---|---|
| ROSLEVAN SHOPPING CENTRE, TULLA ROAD, ROSLEVAN, ENNIS, CO. CLARE,<br>T. (065) 6828422 FAX. (065) 6820379 Mail. hlamail@hassettleyden.ie |                                                                                                         |                                                                                                                                                                                                                                      | Discipline: Architecture                                 |                | Assessment of Hazard (Severity)<br>5 - Death (death/multiple deaths)<br>4 - Long-term health consequence (disabling injury /chronic illness)<br>3 - Short-term health consequence (restricted work activity, strain/sprain)<br>2 - No significant health & safety consequence (first-aid)<br>1 - No health & safety consequence |                                                                                               |  |  |  | SEVERITY<br><table border="1"> <tr><td>5</td><td>M</td><td>M</td><td>H</td><td>H</td><td>H</td></tr> <tr><td>4</td><td>M</td><td>M</td><td>M</td><td>H</td><td>H</td></tr> <tr><td>3</td><td>L</td><td>M</td><td>M</td><td>M</td><td>H</td></tr> <tr><td>2</td><td>L</td><td>L</td><td>M</td><td>M</td><td>M</td></tr> <tr><td>1</td><td>L</td><td>L</td><td>L</td><td>M</td><td>M</td></tr> <tr><td></td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr> </table> LIKELIHOOD |                                                           |              |                |                                                                                      | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | M                                                                                                                                   | M | H | H | H | 4 | M | M | M | H | H | 3 | L | M | M | M | H | 2 | L | L | M | M | M | 1 | L | L | L | M | M |  | 1 | 2 | 3 | 4 | 5 |
| 5                                                                                                                                       | M                                                                                                       | M                                                                                                                                                                                                                                    | H                                                        | H              | H                                                                                                                                                                                                                                                                                                                               |                                                                                               |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                           |              |                |                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| 4                                                                                                                                       | M                                                                                                       | M                                                                                                                                                                                                                                    | M                                                        | H              | H                                                                                                                                                                                                                                                                                                                               |                                                                                               |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                           |              |                |                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| 3                                                                                                                                       | L                                                                                                       | M                                                                                                                                                                                                                                    | M                                                        | M              | H                                                                                                                                                                                                                                                                                                                               |                                                                                               |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                           |              |                |                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| 2                                                                                                                                       | L                                                                                                       | L                                                                                                                                                                                                                                    | M                                                        | M              | M                                                                                                                                                                                                                                                                                                                               |                                                                                               |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                           |              |                |                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| 1                                                                                                                                       | L                                                                                                       | L                                                                                                                                                                                                                                    | L                                                        | M              | M                                                                                                                                                                                                                                                                                                                               |                                                                                               |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                           |              |                |                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
|                                                                                                                                         | 1                                                                                                       | 2                                                                                                                                                                                                                                    | 3                                                        | 4              | 5                                                                                                                                                                                                                                                                                                                               |                                                                                               |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                           |              |                |                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| Project:                                                                                                                                | Houses at Cuil Greine, Donohill, Co. Tipperary                                                          |                                                                                                                                                                                                                                      | Planning:                                                |                |                                                                                                                                                                                                                                                                                                                                 |                                                                                               |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                           |              |                |                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| Client:                                                                                                                                 | Tipperary County Council                                                                                |                                                                                                                                                                                                                                      | Tender:                                                  |                | X                                                                                                                                                                                                                                                                                                                               |                                                                                               |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                           |              |                |                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| Project No:                                                                                                                             | 2798                                                                                                    |                                                                                                                                                                                                                                      | Construction:                                            |                |                                                                                                                                                                                                                                                                                                                                 |                                                                                               |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                           |              |                |                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| PSDP:                                                                                                                                   | Max Kraus                                                                                               |                                                                                                                                                                                                                                      | Maintenance:                                             |                |                                                                                                                                                                                                                                                                                                                                 |                                                                                               |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                           |              |                |                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| Date:                                                                                                                                   | 17/07/2026                                                                                              |                                                                                                                                                                                                                                      |                                                          |                |                                                                                                                                                                                                                                                                                                                                 |                                                                                               |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                           |              |                |                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| No.                                                                                                                                     | Identified Hazards<br>Outline what the potential to cause harm is (to workers of members of the public) | Associated Risk<br>Outline any risk associated with the identified hazard                                                                                                                                                            | Initial Risk Rating<br>L = Low<br>M = Medium<br>H = High |                |                                                                                                                                                                                                                                                                                                                                 | Design Mitigation / Control Measures Taken                                                    |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Residual Risk Rating<br>L = Low<br>M = Medium<br>H = High |              |                | Population Exposed<br>• Contractor<br>• Maintenance<br>• End User<br>• Others (List) |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Information to be forwarded to other Designers<br>Information to be forwarded to PSCS<br>Information to be forwarded to Contractors |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
|                                                                                                                                         |                                                                                                         |                                                                                                                                                                                                                                      | Seve<br>rity                                             | Likeli<br>hood | Risk                                                                                                                                                                                                                                                                                                                            |                                                                                               |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                           | Seve<br>rity | Likeli<br>hood | Risk                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| 10                                                                                                                                      | Work involving the assembly or dismantling of heavy prefabricated components.                           | Injury due to items heavier than appear. Incorrect lifting method, lack of mechanical handling equipment, lack of assistance for heavy load, lack of protective footwear, sharp edges, lack of supervision, lack of on site planning | 5                                                        | 3              | H                                                                                                                                                                                                                                                                                                                               | Where possible the works have been designed to minimise the use of heavy prefabricated items. |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 4                                                         | 2            | M              | Contractor                                                                           | All items to be marked with weight. Contractor to provide mechanical handling equipment to move items which cannot be safely man handled. Safety footwear to EN ISO 20345 and protective Kerlor and rigger gloves must be worn. Complete planning and supervision of each operation must be provided by the contractor.                                                                                                                                                          |                                                                                                                                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| B) Risks in addition to those set out in Schedule 1 of Safety, Health & Welfare at Work (Construction) Regulations, 2013.               |                                                                                                         |                                                                                                                                                                                                                                      |                                                          |                |                                                                                                                                                                                                                                                                                                                                 |                                                                                               |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                           |              |                |                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| 11                                                                                                                                      | Heavy machinery used close to the general public.                                                       | Risk from traffic – site access                                                                                                                                                                                                      | 5                                                        | 3              | H                                                                                                                                                                                                                                                                                                                               | Site access connections required via access as part of the works.                             |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 5                                                         | 1            | M              | Contractor<br>Public<br>Staff                                                        | The Contractor should plan for each works zone with provision for safe movement of machinery & traffic. Construction traffic should use designated entry/egress points to enter public spaces and along designated access routes to the site, with suitable barriers / fencing around work zones and associated warning signs & active traffic management. Construction vehicles and machinery should be in good working order, with flashing beacons & reversing warning alarms |                                                                                                                                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |

| HASSETT LEYDEN & ASSOCIATES<br>ROSLEVAN SHOPPING CENTRE, TULLA ROAD, ROSLEVAN, ENNIS, CO. CLARE,<br>T. (065) 6828422 FAX. (065) 6820379 Mail. hlamail@hassettleyden.ie |                                                                                                         |                                                                                            | Hazard Identification and Design Risk Assessment             |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                          |                                                               |            |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
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|                                                                                                                                                                        |                                                                                                         |                                                                                            | Discipline: Architecture                                     |            | <b>Assessment of Hazard (Severity)</b><br>5 - Death (death/multiple deaths)<br>4 - Long-term health consequence (disabling injury /chronic illness)<br>3 - Short-term health consequence (restricted work activity, strain/sprain)<br>2 - No significant health & safety consequence (first-aid)<br>1 - No health & safety consequence<br><br><b>Assessment of Risk (Likelihood):</b><br>5 - Highly likely<br>4 - Probable<br>3 - Possible<br>2 - Remote, Unlikely<br>1 - Highly unlikely (near negligible) |                                                                                                                                                                                                          |                                                               |            |      | <table border="1"> <tr><td>5</td><td>M</td><td>M</td><td>H</td><td>H</td><td>H</td></tr> <tr><td>4</td><td>M</td><td>M</td><td>M</td><td>H</td><td>H</td></tr> <tr><td>3</td><td>L</td><td>M</td><td>M</td><td>M</td><td>H</td></tr> <tr><td>2</td><td>L</td><td>L</td><td>M</td><td>M</td><td>M</td></tr> <tr><td>1</td><td>L</td><td>L</td><td>L</td><td>M</td><td>M</td></tr> <tr><td></td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr> </table> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  | 5 | M | M | H | H | H | 4 | M | M | M | H | H | 3 | L | M | M | M | H | 2 | L | L | M | M | M | 1 | L | L | L | M | M |  | 1 | 2 | 3 | 4 | 5 |
| 5                                                                                                                                                                      | M                                                                                                       | M                                                                                          | H                                                            | H          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                          |                                                               |            |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  | H |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| 4                                                                                                                                                                      | M                                                                                                       | M                                                                                          | M                                                            | H          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                          |                                                               |            |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  | H |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| 3                                                                                                                                                                      | L                                                                                                       | M                                                                                          | M                                                            | M          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                          |                                                               |            |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  | H |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| 2                                                                                                                                                                      | L                                                                                                       | L                                                                                          | M                                                            | M          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                          |                                                               |            |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  | M |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| 1                                                                                                                                                                      | L                                                                                                       | L                                                                                          | L                                                            | M          | M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                          |                                                               |            |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
|                                                                                                                                                                        | 1                                                                                                       | 2                                                                                          | 3                                                            | 4          | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                          |                                                               |            |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| Project:                                                                                                                                                               | Houses at Cuil Greine, Donohill, Co. Tipperary                                                          |                                                                                            | Planning:                                                    |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                          |                                                               |            |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| Client:                                                                                                                                                                | Tipperary County Council                                                                                |                                                                                            | Tender:                                                      |            | X                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                          |                                                               |            |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| Project No:                                                                                                                                                            | 2798                                                                                                    |                                                                                            | Construction:                                                |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                          |                                                               |            |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| PSDP:                                                                                                                                                                  | Max Kraus                                                                                               |                                                                                            | Maintenance:                                                 |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                          |                                                               |            |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| Date:                                                                                                                                                                  | 17/07/2026                                                                                              |                                                                                            |                                                              |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                          |                                                               |            |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| No.                                                                                                                                                                    | Identified Hazards<br>Outline what the potential to cause harm is (to workers of members of the public) | Associated Risk<br>Outline any risk associated with the identified hazard                  | Initial Risk Rating<br><br>L = Low<br>M = Medium<br>H = High |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Design Mitigation / Control Measures Taken                                                                                                                                                               | Residual Risk Rating<br><br>L = Low<br>M = Medium<br>H = High |            |      | Population Exposed<br><br>• Contractor<br>• Maintenance<br>• End User<br>• Others (List)                                                                                                                                                                                                                                                                                                                                                                       | Information to be forwarded to other Designers<br>Information to be forwarded to PSCS<br>Information to be forwarded to Contractors                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
|                                                                                                                                                                        |                                                                                                         |                                                                                            | Severity                                                     | Likelihood | Risk                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                          | Severity                                                      | Likelihood | Risk |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| 12                                                                                                                                                                     | Heavy machinery used close to the general public.                                                       | Risk from traffic –service connections & road upgrades.                                    | 5                                                            | 3          | H                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Heavy machinery required during works.                                                                                                                                                                   | 5                                                             | 1          | M    | Contractor<br>Public<br>Staff                                                                                                                                                                                                                                                                                                                                                                                                                                  | Refer to Item 11.<br>When working close to existing premises adequate signage shall be used to warn people of hazards & the construction site. Works area to be defined with fencing.                                                                                                                                                                                                                                                                                                                                                                                                       |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| 13                                                                                                                                                                     | Use of Paint Spraying Equipment                                                                         | Danger of inhalation of fumes from site spraying or painting                               | 4                                                            | 3          | M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Wherever practical, offsite application of paint specified by Consultant.                                                                                                                                | 3                                                             | 3          | M    | Contractor                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Contractor must use low fume materials where available & provide COSHH data on all materials used. Contractor to provide PPE & any necessary protection & extraction necessary to comply with the COSHH Regulations                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| 14                                                                                                                                                                     | Use of Percussion Drill/Angle Grinder or Hand Tools components.                                         | Damage to hearing by percussion drilling or accident while using angle grinder/hand tools. | 4                                                            | 3          | M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Due to the nature of the works the use of such tools cannot be eliminated entirely. Where possible non-percussive drills should be used wherever practical to reduce the risks from noise and vibration. | 4                                                             | 2          | M    | Contractor                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Contractor to observe Principal Contractors disciplines for noisy works & ensure full compliance with the Control of Noise at Work Regulations 2005. Contractor to ensure all staff using or working near percussion drilling equipment/angle grinders etc. are equipped with suitable ear defenders/protective equipment and have been instructed on their correct use. All portable appliances to be tested and marked with valid PAT certification. Unless battery powered or hand tools are employed, a residual current earth leakage device (RCD) designed to EN 61008-1 must be used |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |

| HASSETT LEYDEN & ASSOCIATES<br>ROSLEVAN SHOPPING CENTRE, TULLA ROAD, ROSLEVAN, ENNIS, CO. CLARE,<br>T. (065) 6828422 FAX. (065) 6820379 Mail. hlamail@hassettleyden.ie |                                                                                                         |                                                                            | Hazard Identification and Design Risk Assessment         |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                 |                                                           |            |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|----------------------------------------------------------|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|------------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|---|---|---|---|---|
|                                                                                                                                                                        |                                                                                                         |                                                                            | Discipline: Architecture                                 |            | <b>Assessment of Hazard (Severity)</b><br>5 - Death (death/multiple deaths)<br>4 - Long-term health consequence (disabling injury /chronic illness)<br>3 - Short-term health consequence (restricted work activity, strain/sprain)<br>2 - No significant health & safety consequence (first-aid)<br>1 - No health & safety consequence<br><br><b>Assessment of Risk (Likelihood):</b><br>5 - Highly likely<br>4 - Probable<br>3 - Possible<br>2 - Remote, Unlikely<br>1 - Highly unlikely (near negligible) |                                                                                                                                                                                 |                                                           |            |      | <b>SEVERITY</b><br><table border="1"> <tr><td>5</td><td>M</td><td>M</td><td>H</td><td>H</td><td>H</td></tr> <tr><td>4</td><td>M</td><td>M</td><td>M</td><td>H</td><td>H</td></tr> <tr><td>3</td><td>L</td><td>M</td><td>M</td><td>M</td><td>H</td></tr> <tr><td>2</td><td>L</td><td>L</td><td>M</td><td>M</td><td>M</td></tr> <tr><td>1</td><td>L</td><td>L</td><td>L</td><td>M</td><td>M</td></tr> <tr><td></td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr> </table> <b>LIKELIHOOD</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  | 5 | M | M | H | H | H | 4 | M | M | M | H | H | 3 | L | M | M | M | H | 2 | L | L | M | M | M | 1 | L | L | L | M | M |  | 1 | 2 | 3 | 4 | 5 |
| 5                                                                                                                                                                      | M                                                                                                       | M                                                                          | H                                                        | H          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                 |                                                           |            |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  | H |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| 4                                                                                                                                                                      | M                                                                                                       | M                                                                          | M                                                        | H          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                 |                                                           |            |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  | H |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| 3                                                                                                                                                                      | L                                                                                                       | M                                                                          | M                                                        | M          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                 |                                                           |            |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  | H |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| 2                                                                                                                                                                      | L                                                                                                       | L                                                                          | M                                                        | M          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                 |                                                           |            |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  | M |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| 1                                                                                                                                                                      | L                                                                                                       | L                                                                          | L                                                        | M          | M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                 |                                                           |            |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
|                                                                                                                                                                        | 1                                                                                                       | 2                                                                          | 3                                                        | 4          | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                 |                                                           |            |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| Project:                                                                                                                                                               | Houses at Cuil Greine, Donohill, Co. Tipperary                                                          |                                                                            | Planning:                                                |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                 |                                                           |            |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| Client:                                                                                                                                                                | Tipperary County Council                                                                                |                                                                            | Tender:                                                  |            | X                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                 |                                                           |            |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| Project No:                                                                                                                                                            | 2798                                                                                                    |                                                                            | Construction:                                            |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                 |                                                           |            |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| PSDP:                                                                                                                                                                  | Max Kraus                                                                                               |                                                                            | Maintenance:                                             |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                 |                                                           |            |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| Date:                                                                                                                                                                  | 17/07/2026                                                                                              |                                                                            |                                                          |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                 |                                                           |            |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| No.                                                                                                                                                                    | Identified Hazards<br>Outline what the potential to cause harm is (to workers of members of the public) | Associated Risk<br>Outline any risk associated with the identified hazard  | Initial Risk Rating<br>L = Low<br>M = Medium<br>H = High |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Design Mitigation / Control Measures Taken                                                                                                                                      | Residual Risk Rating<br>L = Low<br>M = Medium<br>H = High |            |      | Population Exposed<br>• Contractor<br>• Maintenance<br>• End User<br>• Others (List)                                                                                                                                                                                                                                                                                                                                                                                                                | Information to be forwarded to other Designers<br>Information to be forwarded to PSCS<br>Information to be forwarded to Contractors                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
|                                                                                                                                                                        |                                                                                                         |                                                                            | Severity                                                 | Likelihood | Risk                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                 | Severity                                                  | Likelihood | Risk |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| 15                                                                                                                                                                     | Dust                                                                                                    | Injury to eyes and / or lungs due to presence of dust.                     | 4                                                        | 3          | M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Dust will be generated during works.<br>Contractor to minimise the use of dust producing products during works.                                                                 | 3                                                         | 2          | M    | Contractor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | RAMs to be prepared.<br>Safe systems of work and dust suppression systems to be used.<br>Proper PPE to be used.<br>Refer to HSA website & Information Sheet on Crystalline Silica Dust                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| 16                                                                                                                                                                     | Use of Welding / Grinding Equipment                                                                     | Danger of fire due to dry grinding or welding on site                      | 4                                                        | 3          | M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Due to the nature of the works the use of such tools cannot be eliminated entirely.                                                                                             | 4                                                         | 2          | M    | Contractor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Principal Contractor to establish regime of Hot Works including permits.<br>Contractor to ensure site staff are aware of procedures & work to them.<br>Contractor to provide all necessary PPE, safety & fire precautions, certified as necessary & ensure they are maintained throughout the Hot Work process. As a minimum, fire extinguishers must be readily available & members of the public & other non-essential staff excluded from the agreed work area. If gas welding equipment is used it must be inspected prior to use for damage to valves, hoses & for leaks & must not be used if defective. The work area must be well ventilated & nay smoke detectors temporarily disarmed. |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| 17                                                                                                                                                                     | Disconnection of existing electrical services                                                           | Electrocution or explosion due to utilities not been properly disconnected | 5                                                        | 3          | H                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Where possible, hazards have been minimized or mitigated through design however electrical disconnections / connections are necessary during works. Refer to M&E documentation. | 5                                                         | 2          | M    | Contractor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | All potential hazards to be clearly identified for isolation / disconnection before works commence.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |

| HASSETT LEYDEN & ASSOCIATES<br>ROSLEVAN SHOPPING CENTRE, TULLA ROAD, ROSLEVAN, ENNIS, CO. CLARE,<br>T. (065) 6828422 FAX. (065) 6820379 Mail. hlamail@hassettleyden.ie |                                                                                                         |                                                                                                             | Hazard Identification and Design Risk Assessment         |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                    |  |  |                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |                                                                                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
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|                                                                                                                                                                        |                                                                                                         |                                                                                                             | Discipline: Architecture                                 |            | <b>Assessment of Hazard (Severity)</b><br>5 - Death (death/multiple deaths)<br>4 - Long-term health consequence (disabling injury /chronic illness)<br>3 - Short-term health consequence (restricted work activity, strain/sprain)<br>2 - No significant health & safety consequence (first-aid)<br>1 - No health & safety consequence<br><br><b>Assessment of Risk (Likelihood):</b><br>5 - Highly likely<br>4 - Probable<br>3 - Possible<br>2 - Remote, Unlikely<br>1 - Highly unlikely (near negligible) |                                                                    |  |  |                                                           | <table border="1"> <tr><td>5</td><td>M</td><td>M</td><td>H</td><td>H</td><td>H</td></tr> <tr><td>4</td><td>M</td><td>M</td><td>M</td><td>H</td><td>H</td></tr> <tr><td>3</td><td>L</td><td>M</td><td>M</td><td>M</td><td>H</td></tr> <tr><td>2</td><td>L</td><td>L</td><td>M</td><td>M</td><td>M</td></tr> <tr><td>1</td><td>L</td><td>L</td><td>L</td><td>M</td><td>M</td></tr> <tr><td></td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr> </table> |      |                                                                                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                                             | 5 | M | M | H | H | H | 4 | M | M | M | H | H | 3 | L | M | M | M | H | 2 | L | L | M | M | M | 1 | L | L | L | M | M |  | 1 | 2 | 3 | 4 | 5 |
| 5                                                                                                                                                                      | M                                                                                                       | M                                                                                                           | H                                                        | H          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                    |  |  |                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |                                                                                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                                             | H |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| 4                                                                                                                                                                      | M                                                                                                       | M                                                                                                           | M                                                        | H          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                    |  |  |                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |                                                                                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                                             | H |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| 3                                                                                                                                                                      | L                                                                                                       | M                                                                                                           | M                                                        | M          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                    |  |  |                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |                                                                                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                                             | H |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| 2                                                                                                                                                                      | L                                                                                                       | L                                                                                                           | M                                                        | M          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                    |  |  |                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |                                                                                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                                             | M |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| 1                                                                                                                                                                      | L                                                                                                       | L                                                                                                           | L                                                        | M          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                    |  |  |                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |                                                                                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                                             | M |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
|                                                                                                                                                                        | 1                                                                                                       | 2                                                                                                           | 3                                                        | 4          | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                    |  |  |                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |                                                                                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| Project:                                                                                                                                                               | Houses at Cuil Greine, Donohill, Co. Tipperary                                                          |                                                                                                             | Planning:                                                |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                    |  |  |                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |                                                                                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| Client:                                                                                                                                                                | Tipperary County Council                                                                                |                                                                                                             | Tender:                                                  |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                    |  |  |                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |                                                                                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| Project No:                                                                                                                                                            | 2798                                                                                                    |                                                                                                             | Construction:                                            |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                    |  |  |                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |                                                                                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| PSDP:                                                                                                                                                                  | Max Kraus                                                                                               |                                                                                                             | Maintenance:                                             |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                    |  |  |                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |                                                                                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| Date:                                                                                                                                                                  | 17/07/2026                                                                                              |                                                                                                             |                                                          |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                    |  |  |                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |                                                                                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| No.                                                                                                                                                                    | Identified Hazards<br>Outline what the potential to cause harm is (to workers of members of the public) | Associated Risk<br>Outline any risk associated with the identified hazard                                   | Initial Risk Rating<br>L = Low<br>M = Medium<br>H = High |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Design Mitigation / Control Measures Taken                         |  |  | Residual Risk Rating<br>L = Low<br>M = Medium<br>H = High |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      | Population Exposed<br>• Contractor<br>• Maintenance<br>• End User<br>• Others (List) |  | Information to be forwarded to other Designers<br>Information to be forwarded to PSCS<br>Information to be forwarded to Contractors                                                                                                                                                                                                                                                                                                         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
|                                                                                                                                                                        |                                                                                                         |                                                                                                             | Severity                                                 | Likelihood | Risk                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                    |  |  | Severity                                                  | Likelihood                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Risk |                                                                                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| 18                                                                                                                                                                     | Works associated with working in a confined space.                                                      | Toxic atmosphere, oxygen deficiency, oxygen enrichment, flammable or explosive atmospheres, excessive heat. | 4                                                        | 3          | M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Works in confined spaces minimised.<br>Refer to M&E documentation. |  |  | 3                                                         | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                              | M    | Contractor Maintenance                                                               |  | Principal Contractor to identify hazards and carry out a Risk Assessment before work commences.<br>Contractor is to ensure a system of work is in place and that anyone entering a confined space has been provided with appropriate information, training and instruction appropriate to the particular characteristics of the proposed work activities.<br>Contractor is to also put in place emergency arrangements in case of incident. |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| 19                                                                                                                                                                     | Falling equipment: Delivery of materials                                                                | Risk of injury.                                                                                             | 5                                                        | 3          | H                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Necessary risk as delivery of materials required for works..       |  |  | 5                                                         | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                              | M    | Contractor                                                                           |  | Ensure that all works areas are fenced off so that any falling objects or material being used does not fall outside the works area.<br>Ensure that any materials being brought in or out of the site are well secured on vehicles leaving and entering the site.<br><br>All personnel are to wear proper PPE.                                                                                                                               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |

| HASSETT LEYDEN & ASSOCIATES<br>ROSLEVAN SHOPPING CENTRE, TULLA ROAD, ROSLEVAN, ENNIS, CO. CLARE,<br>T. (065) 6828422 FAX. (065) 6820379 Mail. hlamail@hassettleyden.ie |                                                                                                         |                                                                           | Hazard Identification and Design Risk Assessment         |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                          |  |  |                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|----------------------------------------------------------|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|--|--|-----------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|---|---|---|---|---|
|                                                                                                                                                                        |                                                                                                         |                                                                           | Discipline: Architecture                                 |                | <b>Assessment of Hazard (Severity)</b><br>5 - Death (death/multiple deaths)<br>4 - Long-term health consequence (disabling injury /chronic illness)<br>3 - Short-term health consequence (restricted work activity, strain/sprain)<br>2 - No significant health & safety consequence (first-aid)<br>1 - No health & safety consequence<br><br><b>Assessment of Risk (Likelihood):</b><br>5 - Highly likely<br>4 - Probable<br>3 - Possible<br>2 - Remote, Unlikely<br>1 - Highly unlikely (near negligible) |                                                          |  |  |                                                           | <table border="1"> <tr><td>5</td><td>M</td><td>M</td><td>H</td><td>H</td><td>H</td></tr> <tr><td>4</td><td>M</td><td>M</td><td>M</td><td>H</td><td>H</td></tr> <tr><td>3</td><td>L</td><td>M</td><td>M</td><td>M</td><td>H</td></tr> <tr><td>2</td><td>L</td><td>L</td><td>M</td><td>M</td><td>M</td></tr> <tr><td>1</td><td>L</td><td>L</td><td>L</td><td>M</td><td>M</td></tr> <tr><td></td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr> </table> |      |                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                     | 5 | M | M | H | H | H | 4 | M | M | M | H | H | 3 | L | M | M | M | H | 2 | L | L | M | M | M | 1 | L | L | L | M | M |  | 1 | 2 | 3 | 4 | 5 |
| 5                                                                                                                                                                      | M                                                                                                       | M                                                                         | H                                                        | H              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                          |  |  |                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                     | H |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| 4                                                                                                                                                                      | M                                                                                                       | M                                                                         | M                                                        | H              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                          |  |  |                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                     | H |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| 3                                                                                                                                                                      | L                                                                                                       | M                                                                         | M                                                        | M              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                          |  |  |                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                     | H |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| 2                                                                                                                                                                      | L                                                                                                       | L                                                                         | M                                                        | M              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                          |  |  |                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                     | M |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| 1                                                                                                                                                                      | L                                                                                                       | L                                                                         | L                                                        | M              | M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                          |  |  |                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
|                                                                                                                                                                        | 1                                                                                                       | 2                                                                         | 3                                                        | 4              | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                          |  |  |                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| Project:                                                                                                                                                               | Houses at Cuil Greine, Donohill, Co. Tipperary                                                          |                                                                           | Planning:                                                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                          |  |  |                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| Client:                                                                                                                                                                | Tipperary County Council                                                                                |                                                                           | Tender:                                                  |                | X                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                          |  |  |                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| Project No:                                                                                                                                                            | 2798                                                                                                    |                                                                           | Construction:                                            |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                          |  |  |                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| PSDP:                                                                                                                                                                  | Max Kraus                                                                                               |                                                                           | Maintenance:                                             |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                          |  |  |                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| Date:                                                                                                                                                                  | 17/07/2026                                                                                              |                                                                           |                                                          |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                          |  |  |                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
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|                                                                                                                                                                        |                                                                                                         |                                                                           | Seve<br>rity                                             | Likeli<br>hood | Risk                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                          |  |  | Seve<br>rity                                              | Likeli<br>hood                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Risk |                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| 20                                                                                                                                                                     | SARS-CoV-2                                                                                              | Spread of COVID-19 on the Construction Site.                              | 5                                                        | 3              | H                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Design action to eliminate / mitigate risk not possible. |  |  | 5                                                         | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                              | H    | Contractor                                                                           | <p>All Contractors must comply with HSE &amp; Government Guidelines with regard to physical distancing &amp; other COVID 19 measures.</p> <p>The latest HSE, HSA &amp; Dept. of Health advice &amp; guidance should be followed to identify &amp; implement suitable control measures to mitigate the risk of COVID-19 infection in the workplace. These public health measures should be communicated to all relevant employees &amp; others at the place of work.</p> <p>Contractors must also comply with the National Return to Work Safely Protocol, "COVID-19 Specific National Protocol for Employers and Workers".</p> |                                                                                                                                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |

| HASSETT LEYDEN & ASSOCIATES                                                                                                             |                                                                                                         |                                                                           | Hazard Identification and Design Risk Assessment         |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                             |                                                           |            |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
|-----------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|----------------------------------------------------------|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|-----------------------------------------------------------|------------|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|---|---|---|---|---|
| ROSLEVAN SHOPPING CENTRE, TULLA ROAD, ROSLEVAN, ENNIS, CO. CLARE,<br>T. (065) 6828422 FAX. (065) 6820379 Mail. hlamail@hassettleyden.ie |                                                                                                         |                                                                           | Discipline: Architecture                                 |            | <b>Assessment of Hazard (Severity)</b><br>5 - Death (death/multiple deaths)<br>4 - Long-term health consequence (disabling injury /chronic illness)<br>3 - Short-term health consequence (restricted work activity, strain/sprain)<br>2 - No significant health & safety consequence (first-aid)<br>1 - No health & safety consequence<br><br><b>Assessment of Risk (Likelihood):</b><br>5 - Highly likely<br>4 - Probable<br>3 - Possible<br>2 - Remote, Unlikely<br>1 - Highly unlikely (near negligible) |                                                                                             |                                                           |            |      | <table border="1"> <tr><td>5</td><td>M</td><td>M</td><td>H</td><td>H</td><td>H</td></tr> <tr><td>4</td><td>M</td><td>M</td><td>M</td><td>H</td><td>H</td></tr> <tr><td>3</td><td>L</td><td>M</td><td>M</td><td>M</td><td>H</td></tr> <tr><td>2</td><td>L</td><td>L</td><td>M</td><td>M</td><td>M</td></tr> <tr><td>1</td><td>L</td><td>L</td><td>L</td><td>M</td><td>M</td></tr> <tr><td></td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr> </table><br>SEVERITY<br><br>LIKELIHOOD |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  | 5 | M | M | H | H | H | 4 | M | M | M | H | H | 3 | L | M | M | M | H | 2 | L | L | M | M | M | 1 | L | L | L | M | M |  | 1 | 2 | 3 | 4 | 5 |
| 5                                                                                                                                       | M                                                                                                       | M                                                                         | H                                                        | H          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                             |                                                           |            |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  | H |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| 4                                                                                                                                       | M                                                                                                       | M                                                                         | M                                                        | H          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                             |                                                           |            |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  | H |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| 3                                                                                                                                       | L                                                                                                       | M                                                                         | M                                                        | M          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                             |                                                           |            |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  | H |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| 2                                                                                                                                       | L                                                                                                       | L                                                                         | M                                                        | M          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                             |                                                           |            |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  | M |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| 1                                                                                                                                       | L                                                                                                       | L                                                                         | L                                                        | M          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                             |                                                           |            |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  | M |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
|                                                                                                                                         | 1                                                                                                       | 2                                                                         | 3                                                        | 4          | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                             |                                                           |            |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| Project:                                                                                                                                | Houses at Cuil Greine, Donohill, Co. Tipperary                                                          |                                                                           | Planning:                                                |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                             |                                                           |            |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| Client:                                                                                                                                 | Tipperary County Council                                                                                |                                                                           | Tender:                                                  | X          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                             |                                                           |            |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| Project No:                                                                                                                             | 2798                                                                                                    |                                                                           | Construction:                                            |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                             |                                                           |            |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| PSDP:                                                                                                                                   | Max Kraus                                                                                               |                                                                           | Maintenance:                                             |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                             |                                                           |            |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| Date:                                                                                                                                   | 17/07/2026                                                                                              |                                                                           |                                                          |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                             |                                                           |            |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| No.                                                                                                                                     | Identified Hazards<br>Outline what the potential to cause harm is (to workers of members of the public) | Associated Risk<br>Outline any risk associated with the identified hazard | Initial Risk Rating<br>L = Low<br>M = Medium<br>H = High |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Design Mitigation / Control Measures Taken                                                  | Residual Risk Rating<br>L = Low<br>M = Medium<br>H = High |            |      | Population Exposed<br>• Contractor<br>• Maintenance<br>• End User<br>• Others (List)                                                                                                                                                                                                                                                                                                                                                                                                         | Information to be forwarded to other Designers<br>Information to be forwarded to PSCS<br>Information to be forwarded to Contractors                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
|                                                                                                                                         |                                                                                                         |                                                                           | Severity                                                 | Likelihood | Risk                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                             | Severity                                                  | Likelihood | Risk |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| 21                                                                                                                                      | Bursting of pipes during Pressure Testing.                                                              | Risk of injury.                                                           | 5                                                        | 3          | H                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Where pressure testing of pipes is required it is to be carried out by competent personnel. | 5                                                         | 2          | M    | Contractor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <p>As all pipelines for water, foul effluent &amp; surface water have to be tested a detailed Method Statement should be provided by the contractor.</p> <p>Any watermain pipe trench should be partly backfilled &amp; the pipe surcharged with adequate material to retain the pipe in the trench if there is any explosion or catastrophic release of air or water pressure from the pipe lines being tested.</p> <p>Testers are to ensure that adequate clearance is allowed for the test area &amp; that that the test area is adequately defined.</p> |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |

| HASSETT LEYDEN & ASSOCIATES                                                                                                             |                                                                                                         |                                                                           | Hazard Identification and Design Risk Assessment             |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                          |                                                               |            |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
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| ROSLEVAN SHOPPING CENTRE, TULLA ROAD, ROSLEVAN, ENNIS, CO. CLARE,<br>T. (065) 6828422 FAX. (065) 6820379 Mail. hlamail@hassettleyden.ie |                                                                                                         |                                                                           | Discipline: Architecture                                     |            | <b>Assessment of Hazard (Severity)</b><br>5 - Death (death/multiple deaths)<br>4 - Long-term health consequence (disabling injury /chronic illness)<br>3 - Short-term health consequence (restricted work activity, strain/sprain)<br>2 - No significant health & safety consequence (first-aid)<br>1 - No health & safety consequence<br><br><b>Assessment of Risk (Likelihood):</b><br>5 - Highly likely<br>4 - Probable<br>3 - Possible<br>2 - Remote, Unlikely<br>1 - Highly unlikely (near negligible) |                                                                          |                                                               |            |      | <table border="1"> <tr><td>5</td><td>M</td><td>M</td><td>H</td><td>H</td><td>H</td></tr> <tr><td>4</td><td>M</td><td>M</td><td>M</td><td>H</td><td>H</td></tr> <tr><td>3</td><td>L</td><td>M</td><td>M</td><td>M</td><td>H</td></tr> <tr><td>2</td><td>L</td><td>L</td><td>M</td><td>M</td><td>M</td></tr> <tr><td>1</td><td>L</td><td>L</td><td>L</td><td>M</td><td>M</td></tr> <tr><td></td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr> </table> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |  | 5 | M | M | H | H | H | 4 | M | M | M | H | H | 3 | L | M | M | M | H | 2 | L | L | M | M | M | 1 | L | L | L | M | M |  | 1 | 2 | 3 | 4 | 5 |
| 5                                                                                                                                       | M                                                                                                       | M                                                                         | H                                                            | H          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                          |                                                               |            |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |  | H |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| 4                                                                                                                                       | M                                                                                                       | M                                                                         | M                                                            | H          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                          |                                                               |            |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |  | H |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| 3                                                                                                                                       | L                                                                                                       | M                                                                         | M                                                            | M          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                          |                                                               |            |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |  | H |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| 2                                                                                                                                       | L                                                                                                       | L                                                                         | M                                                            | M          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                          |                                                               |            |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |  | M |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| 1                                                                                                                                       | L                                                                                                       | L                                                                         | L                                                            | M          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                          |                                                               |            |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |  | M |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
|                                                                                                                                         | 1                                                                                                       | 2                                                                         | 3                                                            | 4          | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                          |                                                               |            |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| Project:                                                                                                                                | Houses at Cuil Greine, Donohill, Co. Tipperary                                                          |                                                                           | Planning:                                                    |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                          |                                                               |            |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| Client:                                                                                                                                 | Tipperary County Council                                                                                |                                                                           | Tender:                                                      | X          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                          |                                                               |            |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| Project No:                                                                                                                             | 2798                                                                                                    |                                                                           | Construction:                                                |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                          |                                                               |            |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| PSDP:                                                                                                                                   | Max Kraus                                                                                               |                                                                           | Maintenance:                                                 |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                          |                                                               |            |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| Date:                                                                                                                                   | 17/07/2026                                                                                              |                                                                           |                                                              |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                          |                                                               |            |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| No.                                                                                                                                     | Identified Hazards<br>Outline what the potential to cause harm is (to workers of members of the public) | Associated Risk<br>Outline any risk associated with the identified hazard | Initial Risk Rating<br><br>L = Low<br>M = Medium<br>H = High |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Design Mitigation / Control Measures Taken                               | Residual Risk Rating<br><br>L = Low<br>M = Medium<br>H = High |            |      | Population Exposed<br><br>• Contractor<br>• Maintenance<br>• End User<br>• Others (List)                                                                                                                                                                                                                                                                                                                                                                       | Information to be forwarded to other Designers<br>Information to be forwarded to PSCS<br>Information to be forwarded to Contractors                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
|                                                                                                                                         |                                                                                                         |                                                                           | Severity                                                     | Likelihood | Risk                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                          | Severity                                                      | Likelihood | Risk |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| 22                                                                                                                                      | Falling objects; Equipment or Materials                                                                 | Injury due to falling objects; equipment or materials                     | 3                                                            | 2          | M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Due to the nature of the project working at height cannot be eliminated. | 2                                                             | 2          | L    | Contractor<br>Maintenance                                                                                                                                                                                                                                                                                                                                                                                                                                      | <p>Ensure that all works areas are fenced off so that falling objects or material used on elevated working areas or platforms do not fall outside the fenced works area.</p> <p>Aadequate precautions must be taken, when persons are working at height, as a control against falling objects e.g., use of tool belts, strict adherence to site housekeeping rules, etc. In addition, the following must be addressed:</p> <ul style="list-style-type: none"> <li>• Safe systems must be used to place materials in position &amp; for the removal of waste</li> <li>• Tools &amp; materials must be lowered &amp; not thrown from scaffolds or from a height.</li> <li>• Guard rails &amp; toe-boards must be provided around all edges to prevent falling objects</li> <li>• All materials must be stacked &amp; laid out to prevent their collapsing or overturning</li> <li>• All personnel on site must wear adequate PPE</li> </ul> |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |

| HASSETT LEYDEN & ASSOCIATES                                                                                                             |                                                                                                              |                                                                           | Hazard Identification and Design Risk Assessment         |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                         |                                                           |                |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                     |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
|-----------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|----------------------------------------------------------|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|-----------------------------------------------------------|----------------|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|--|--|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|---|---|---|---|---|
| ROSLEVAN SHOPPING CENTRE, TULLA ROAD, ROSLEVAN, ENNIS, CO. CLARE,<br>T. (065) 6828422 FAX. (065) 6820379 Mail. hlamail@hassettleyden.ie |                                                                                                              |                                                                           | Discipline: Architecture                                 |                | Assessment of Hazard (Severity)<br>5 - Death (death/multiple deaths)<br>4 - Long-term health consequence (disabling injury /chronic illness)<br>3 - Short-term health consequence (restricted work activity, strain/sprain)<br>2 - No significant health & safety consequence (first-aid)<br>1 - No health & safety consequence<br>Assessment of Risk (Likelihood):<br>5 - Highly likely<br>4 - Probable<br>3 - Possible<br>2 - Remote, Unlikely<br>1 - Highly unlikely (near negligible) |                                                         |                                                           |                |      | SEVERITY<br><table border="1"> <tr><td>5</td><td>M</td><td>M</td><td>H</td><td>H</td><td>H</td></tr> <tr><td>4</td><td>M</td><td>M</td><td>M</td><td>H</td><td>H</td></tr> <tr><td>3</td><td>L</td><td>M</td><td>M</td><td>M</td><td>H</td></tr> <tr><td>2</td><td>L</td><td>L</td><td>M</td><td>M</td><td>M</td></tr> <tr><td>1</td><td>L</td><td>L</td><td>L</td><td>M</td><td>M</td></tr> <tr><td></td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr> </table> LIKELIHOOD |                                                                                                                                     |  |  |  | 5 | M | M | H | H | H | 4 | M | M | M | H | H | 3 | L | M | M | M | H | 2 | L | L | M | M | M | 1 | L | L | L | M | M |  | 1 | 2 | 3 | 4 | 5 |
| 5                                                                                                                                       | M                                                                                                            | M                                                                         | H                                                        | H              | H                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                         |                                                           |                |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                     |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| 4                                                                                                                                       | M                                                                                                            | M                                                                         | M                                                        | H              | H                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                         |                                                           |                |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                     |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| 3                                                                                                                                       | L                                                                                                            | M                                                                         | M                                                        | M              | H                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                         |                                                           |                |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                     |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| 2                                                                                                                                       | L                                                                                                            | L                                                                         | M                                                        | M              | M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                         |                                                           |                |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                     |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| 1                                                                                                                                       | L                                                                                                            | L                                                                         | L                                                        | M              | M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                         |                                                           |                |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                     |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
|                                                                                                                                         | 1                                                                                                            | 2                                                                         | 3                                                        | 4              | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                         |                                                           |                |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                     |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| Project:                                                                                                                                | Houses at Cuil Greine, Donohill, Co. Tipperary                                                               |                                                                           | Planning:                                                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                         |                                                           |                |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                     |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| Client:                                                                                                                                 | Tipperary County Council                                                                                     |                                                                           | Tender:                                                  | X              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                         |                                                           |                |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                     |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| Project No:                                                                                                                             | 2798                                                                                                         |                                                                           | Construction:                                            |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                         |                                                           |                |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                     |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| PSDP:                                                                                                                                   | Max Kraus                                                                                                    |                                                                           | Maintenance:                                             |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                         |                                                           |                |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                     |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| Date:                                                                                                                                   | 17/07/2026                                                                                                   |                                                                           |                                                          |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                         |                                                           |                |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                     |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| No.                                                                                                                                     | Identified Hazards<br>Outline what the potential to cause harm is (to workers of members of the public)      | Associated Risk<br>Outline any risk associated with the identified hazard | Initial Risk Rating<br>L = Low<br>M = Medium<br>H = High |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Design Mitigation / Control Measures Taken              | Residual Risk Rating<br>L = Low<br>M = Medium<br>H = High |                |      | Population Exposed<br>• Contractor<br>• Maintenance<br>• End User<br>• Others (List)                                                                                                                                                                                                                                                                                                                                                                                                  | Information to be forwarded to other Designers<br>Information to be forwarded to PSCS<br>Information to be forwarded to Contractors |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
|                                                                                                                                         |                                                                                                              |                                                                           | Seve<br>rity                                             | Likeli<br>hood | Risk                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                         | Seve<br>rity                                              | Likeli<br>hood | Risk |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                     |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| 23                                                                                                                                      | Works within an active campus.                                                                               | N/A                                                                       |                                                          |                | H                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                         |                                                           |                | M    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                     |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| 24                                                                                                                                      | Works on roof during high winds, frost, wet or other weather conditions that make working on roof hazardous. | Falls from a height.                                                      | 5                                                        | 3              | H                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Works on roofs cannot be eliminated.                    | 4                                                         | 3              | M    | Contractor                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Contractor is to cease works during high winds, frost or other adverse weather conditions that make working a hazard.               |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| 25                                                                                                                                      | Vibration                                                                                                    | Injury due to excessive noise. Damage to property due to vibrations.      | 4                                                        | 3              | M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Use of vibration causing tools to be kept to a minimum. | 3                                                         | 3              | M    | Contractor                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Contractor to keep vibrations to a minimum to avoid damage to adjoining properties and to personnel on site.                        |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |

| HASSETT LEYDEN & ASSOCIATES                                                                                                             |                                                                                                         |                                                                           | Hazard Identification and Design Risk Assessment         |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                               |                                                           |                |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                               |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
|-----------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|----------------------------------------------------------|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|-----------------------------------------------------------|----------------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|---|---|---|---|---|
| ROSLEVAN SHOPPING CENTRE, TULLA ROAD, ROSLEVAN, ENNIS, CO. CLARE,<br>T. (065) 6828422 FAX. (065) 6820379 Mail. hlamail@hassettleyden.ie |                                                                                                         |                                                                           | Discipline: Architecture                                 |                | <b>Assessment of Hazard (Severity)</b><br>5 - Death (death/multiple deaths)<br>4 - Long-term health consequence (disabling injury /chronic illness)<br>3 - Short-term health consequence (restricted work activity, strain/sprain)<br>2 - No significant health & safety consequence (first-aid)<br>1 - No health & safety consequence<br><br><b>Assessment of Risk (Likelihood):</b><br>5 - Highly likely<br>4 - Probable<br>3 - Possible<br>2 - Remote, Unlikely<br>1 - Highly unlikely (near negligible) |                                                               |                                                           |                |      | <b>SEVERITY</b><br><table border="1"> <tr><td>5</td><td>M</td><td>M</td><td>H</td><td>H</td><td>H</td></tr> <tr><td>4</td><td>M</td><td>M</td><td>M</td><td>H</td><td>H</td></tr> <tr><td>3</td><td>L</td><td>M</td><td>M</td><td>M</td><td>H</td></tr> <tr><td>2</td><td>L</td><td>L</td><td>M</td><td>M</td><td>M</td></tr> <tr><td>1</td><td>L</td><td>L</td><td>L</td><td>M</td><td>M</td></tr> <tr><td></td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr> </table> <b>LIKELIHOOD</b> |                                                                                                                                                                                                                                                                                                                               |  |  |  | 5 | M | M | H | H | H | 4 | M | M | M | H | H | 3 | L | M | M | M | H | 2 | L | L | M | M | M | 1 | L | L | L | M | M |  | 1 | 2 | 3 | 4 | 5 |
| 5                                                                                                                                       | M                                                                                                       | M                                                                         | H                                                        | H              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                               |                                                           |                |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                               |  |  |  | H |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| 4                                                                                                                                       | M                                                                                                       | M                                                                         | M                                                        | H              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                               |                                                           |                |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                               |  |  |  | H |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| 3                                                                                                                                       | L                                                                                                       | M                                                                         | M                                                        | M              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                               |                                                           |                |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                               |  |  |  | H |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| 2                                                                                                                                       | L                                                                                                       | L                                                                         | M                                                        | M              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                               |                                                           |                |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                               |  |  |  | M |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| 1                                                                                                                                       | L                                                                                                       | L                                                                         | L                                                        | M              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                               |                                                           |                |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                               |  |  |  | M |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
|                                                                                                                                         | 1                                                                                                       | 2                                                                         | 3                                                        | 4              | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                               |                                                           |                |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                               |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| Project:                                                                                                                                | Houses at Cuil Greine, Donohill, Co. Tipperary                                                          | Planning:                                                                 |                                                          |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                               |                                                           |                |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                               |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| Client:                                                                                                                                 | Tipperary County Council                                                                                | Tender:                                                                   | X                                                        |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                               |                                                           |                |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                               |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| Project No:                                                                                                                             | 2798                                                                                                    | Construction:                                                             |                                                          |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                               |                                                           |                |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                               |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| PSDP:                                                                                                                                   | Max Kraus                                                                                               | Maintenance:                                                              |                                                          |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                               |                                                           |                |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                               |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| Date:                                                                                                                                   | 17/07/2026                                                                                              |                                                                           |                                                          |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                               |                                                           |                |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                               |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| No.                                                                                                                                     | Identified Hazards<br>Outline what the potential to cause harm is (to workers of members of the public) | Associated Risk<br>Outline any risk associated with the identified hazard | Initial Risk Rating<br>L = Low<br>M = Medium<br>H = High |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Design Mitigation / Control Measures Taken                    | Residual Risk Rating<br>L = Low<br>M = Medium<br>H = High |                |      | Population Exposed<br>• Contractor<br>• Maintenance<br>• End User<br>• Others (List)                                                                                                                                                                                                                                                                                                                                                                                                                | Information to be forwarded to other Designers<br>Information to be forwarded to PSCS<br>Information to be forwarded to Contractors                                                                                                                                                                                           |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
|                                                                                                                                         |                                                                                                         |                                                                           | Seve<br>rity                                             | Likeli<br>hood | Risk                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                               | Seve<br>rity                                              | Likeli<br>hood | Risk |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                               |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| 26                                                                                                                                      | Loose Material, Flying Objects                                                                          | Injury due to flying objects.                                             | 5                                                        | 3              | H                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Materials are required on site so risk cannot be eliminated.. | 4                                                         | 3              | M    | Contractor<br>hotel users                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Ensure that any materials being brought in or out of the site are well secured on vehicles leaving and entering the site.<br>Ensure workmen are wearing adequate safety gear.                                                                                                                                                 |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| 27                                                                                                                                      | Lifting Materials onto roof                                                                             | Injury due to transfer of materials or materials stored incorrectly.      | 5                                                        | 3              | H                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Materials are required on site so risk cannot be eliminated.. | 4                                                         | 2              | M    | Contractor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Activity should be planned beforehand. If materials are to be brought through the building permission should be obtained from the client. Cranes shall be operated by qualified operators and shall only be operated in suitable weather conditions.<br>Secure all materials on the roof to ensure they do not get blown off. |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| 28                                                                                                                                      | Trespassing                                                                                             | Injury damage caused by non contract personel accessing site.             | 5                                                        | 2              | M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Risk cannot be avoided or eliminated by design.               | 5                                                         | 2              | M    | Public                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Works are to be fully secured at all times.                                                                                                                                                                                                                                                                                   |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| 29                                                                                                                                      | Temporary Support / Demolition                                                                          | Injury due to inadequate temporary supports.                              | 5                                                        | 3              | H                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Requirement for temporary supports minimised.                 | 5                                                         | 4              | M    | Contractor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Temporary supports to be designed by Contractor's Engineer who is to ensure the structure is safe at all times during the works.                                                                                                                                                                                              |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |

| HASSETT LEYDEN & ASSOCIATES                                                                                                             |                                                                                                         |                                                                           | Hazard Identification and Design Risk Assessment         |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                              |                                                           |                |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                               |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
|-----------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|----------------------------------------------------------|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|-----------------------------------------------------------|----------------|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|---|---|---|---|---|
| ROSLEVAN SHOPPING CENTRE, TULLA ROAD, ROSLEVAN, ENNIS, CO. CLARE,<br>T. (065) 6828422 FAX. (065) 6820379 Mail. hlamail@hassettleyden.ie |                                                                                                         |                                                                           | Discipline: Architecture                                 |                | Assessment of Hazard (Severity)<br>5 - Death (death/multiple deaths)<br>4 - Long-term health consequence (disabling injury /chronic illness)<br>3 - Short-term health consequence (restricted work activity, strain/sprain)<br>2 - No significant health & safety consequence (first-aid)<br>1 - No health & safety consequence<br>Assessment of Risk (Likelihood):<br>5 - Highly likely<br>4 - Probable<br>3 - Possible<br>2 - Remote, Unlikely<br>1 - Highly unlikely (near negligible) |                                                                              |                                                           |                |      | <table border="1"> <tr> <td>5</td><td>M</td><td>M</td><td>H</td><td>H</td><td>H</td></tr> <tr> <td>4</td><td>M</td><td>M</td><td>M</td><td>H</td><td>H</td></tr> <tr> <td>3</td><td>L</td><td>M</td><td>M</td><td>M</td><td>H</td></tr> <tr> <td>2</td><td>L</td><td>L</td><td>M</td><td>M</td><td>M</td></tr> <tr> <td>1</td><td>L</td><td>L</td><td>L</td><td>M</td><td>M</td></tr> <tr> <td></td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr> </table> |                                                                                                                                                                                                               |  |  |  | 5 | M | M | H | H | H | 4 | M | M | M | H | H | 3 | L | M | M | M | H | 2 | L | L | M | M | M | 1 | L | L | L | M | M |  | 1 | 2 | 3 | 4 | 5 |
| 5                                                                                                                                       | M                                                                                                       | M                                                                         | H                                                        | H              | H                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                              |                                                           |                |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                               |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| 4                                                                                                                                       | M                                                                                                       | M                                                                         | M                                                        | H              | H                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                              |                                                           |                |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                               |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| 3                                                                                                                                       | L                                                                                                       | M                                                                         | M                                                        | M              | H                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                              |                                                           |                |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                               |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| 2                                                                                                                                       | L                                                                                                       | L                                                                         | M                                                        | M              | M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                              |                                                           |                |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                               |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| 1                                                                                                                                       | L                                                                                                       | L                                                                         | L                                                        | M              | M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                              |                                                           |                |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                               |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
|                                                                                                                                         | 1                                                                                                       | 2                                                                         | 3                                                        | 4              | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                              |                                                           |                |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                               |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| Project:                                                                                                                                | Houses at Cuil Greine, Donohill, Co. Tipperary                                                          |                                                                           | Planning:                                                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                              |                                                           |                |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                               |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| Client:                                                                                                                                 | Tipperary County Council                                                                                |                                                                           | Tender:                                                  | X              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                              |                                                           |                |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                               |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| Project No:                                                                                                                             | 2798                                                                                                    |                                                                           | Construction:                                            |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                              |                                                           |                |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                               |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| PSDP:                                                                                                                                   | Max Kraus                                                                                               |                                                                           | Maintenance:                                             |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                              |                                                           |                |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                               |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| Date:                                                                                                                                   | 17/07/2026                                                                                              |                                                                           |                                                          |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                              |                                                           |                |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                               |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| No.                                                                                                                                     | Identified Hazards<br>Outline what the potential to cause harm is (to workers of members of the public) | Associated Risk<br>Outline any risk associated with the identified hazard | Initial Risk Rating<br>L = Low<br>M = Medium<br>H = High |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Design Mitigation / Control Measures Taken                                   | Residual Risk Rating<br>L = Low<br>M = Medium<br>H = High |                |      | Population Exposed<br>• Contractor<br>• Maintenance<br>• End User<br>• Others (List)                                                                                                                                                                                                                                                                                                                                                                                 | Information to be forwarded to other Designers<br>Information to be forwarded to PSCS<br>Information to be forwarded to Contractors                                                                           |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
|                                                                                                                                         |                                                                                                         |                                                                           | Seve<br>rity                                             | Likeli<br>hood | Risk                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                              | Seve<br>rity                                              | Likeli<br>hood | Risk |                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                               |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| 30                                                                                                                                      | Defective Equipment / Machinery                                                                         | Injury due to defective equipment or machinery.                           | 5                                                        | 3              | H                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Risk cannot be avoided or eliminated by design.                              | 5                                                         | 3              | H    | Contractor                                                                                                                                                                                                                                                                                                                                                                                                                                                           | All equipment and machinery must be checked before use and defective equipment and machinery should not be used.                                                                                              |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| 31                                                                                                                                      | Slips & Trips                                                                                           | Injuries due to slips and trips.                                          | 5                                                        | 3              | H                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Risk cannot be avoided or eliminated by design.                              | 5                                                         | 3              | H    | Contractor                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Ensure that site is kept clean and tidy at all times to reduce risk of slips and trips.                                                                                                                       |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| 32                                                                                                                                      | Access ladders                                                                                          | Injuries caused by inadequate securing and use of access ladders.         | 5                                                        | 3              | H                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Risk cannot be avoided or eliminated by design.                              | 5                                                         | 3              | H    | Contractor                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Refer to HAS 'Using Ladders Safely' information sheet.<br><br>Risk assessment to be carried out before work begin.                                                                                            |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| 33                                                                                                                                      | Compaction of hardcore & use of vibrating compactor within the trench.                                  | Injuries caused by use of vibrating compactor.                            | 4                                                        | 3              | M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Compaction required during works.                                            | 4                                                         | 3              | M    | Contractor                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Use recommended ear protection and ensure trench sides are stable.                                                                                                                                            |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| 34                                                                                                                                      | Working in or near water                                                                                | N/A                                                                       |                                                          |                | M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                              |                                                           |                | L    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                               |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
|                                                                                                                                         |                                                                                                         |                                                                           |                                                          |                | L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | N/A                                                                          |                                                           |                | L    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                               |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| 35                                                                                                                                      | Asbestos containing materials                                                                           | Serious illness                                                           | 4                                                        | 5              | H                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Health and Safety precautions set out in Preliminary Health and Safety Plan. | 4                                                         | 5              | H    | Contractor                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Asbestos anywhere within the bounds of the site it must be removed and disposed of in accordance with HSWW Regulations 2006., 2001 and 1998).<br><br>Refer to HAS Guidelines on ACM Management and Abatement. |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |

| HASSETT LEYDEN & ASSOCIATES                                                                                                             |                                                                                                         |                                                                                                                          | Hazard Identification and Design Risk Assessment             |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                     |  |  |                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
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| ROSLEVAN SHOPPING CENTRE, TULLA ROAD, ROSLEVAN, ENNIS, CO. CLARE,<br>T. (065) 6828422 FAX. (065) 6820379 Mail. hlamail@hassettleyden.ie |                                                                                                         |                                                                                                                          | Discipline: Architecture                                     |                | <b>Assessment of Hazard (Severity)</b><br>5 - Death (death/multiple deaths)<br>4 - Long-term health consequence (disabling injury /chronic illness)<br>3 - Short-term health consequence (restricted work activity, strain/sprain)<br>2 - No significant health & safety consequence (first-aid)<br>1 - No health & safety consequence<br><br><b>Assessment of Risk (Likelihood):</b><br>5 - Highly likely<br>4 - Probable<br>3 - Possible<br>2 - Remote, Unlikely<br>1 - Highly unlikely (near negligible) |                                                                                                                                                     |  |  |                                                               | <table border="1"> <tr><td>5</td><td>M</td><td>M</td><td>H</td><td>H</td><td>H</td></tr> <tr><td>4</td><td>M</td><td>M</td><td>M</td><td>H</td><td>H</td></tr> <tr><td>3</td><td>L</td><td>M</td><td>M</td><td>M</td><td>H</td></tr> <tr><td>2</td><td>L</td><td>L</td><td>M</td><td>M</td><td>M</td></tr> <tr><td>1</td><td>L</td><td>L</td><td>L</td><td>M</td><td>M</td></tr> <tr><td></td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr> </table> |      |                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  | 5 | M | M | H | H | H | 4 | M | M | M | H | H | 3 | L | M | M | M | H | 2 | L | L | M | M | M | 1 | L | L | L | M | M |  | 1 | 2 | 3 | 4 | 5 |
| 5                                                                                                                                       | M                                                                                                       | M                                                                                                                        | H                                                            | H              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                     |  |  |                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  | H |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| 4                                                                                                                                       | M                                                                                                       | M                                                                                                                        | M                                                            | H              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                     |  |  |                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  | H |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| 3                                                                                                                                       | L                                                                                                       | M                                                                                                                        | M                                                            | M              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                     |  |  |                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  | H |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| 2                                                                                                                                       | L                                                                                                       | L                                                                                                                        | M                                                            | M              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                     |  |  |                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  | M |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| 1                                                                                                                                       | L                                                                                                       | L                                                                                                                        | L                                                            | M              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                     |  |  |                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  | M |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
|                                                                                                                                         | 1                                                                                                       | 2                                                                                                                        | 3                                                            | 4              | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                     |  |  |                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| Project:                                                                                                                                | Houses at Cuil Greine, Donohill, Co. Tipperary                                                          |                                                                                                                          | Planning:                                                    |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                     |  |  |                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| Client:                                                                                                                                 | Tipperary County Council                                                                                |                                                                                                                          | Tender:                                                      | X              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                     |  |  |                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| Project No:                                                                                                                             | 2798                                                                                                    |                                                                                                                          | Construction:                                                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                     |  |  |                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| PSDP:                                                                                                                                   | Max Kraus                                                                                               |                                                                                                                          | Maintenance:                                                 |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                     |  |  |                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| Date:                                                                                                                                   | 17/07/2026                                                                                              |                                                                                                                          |                                                              |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                     |  |  |                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| No.                                                                                                                                     | Identified Hazards<br>Outline what the potential to cause harm is (to workers of members of the public) | Associated Risk<br>Outline any risk associated with the identified hazard                                                | Initial Risk Rating<br><br>L = Low<br>M = Medium<br>H = High |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Design Mitigation / Control Measures Taken                                                                                                          |  |  | Residual Risk Rating<br><br>L = Low<br>M = Medium<br>H = High |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      | Population Exposed<br><br>• Contractor<br>• Maintenance<br>• End User<br>• Others (List) |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
|                                                                                                                                         |                                                                                                         |                                                                                                                          | Seve<br>rity                                                 | Likeli<br>hood | Risk                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                     |  |  | Seve<br>rity                                                  | Likeli<br>hood                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Risk |                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| 36                                                                                                                                      | Risk Associated with Lifting Operations.                                                                | Injuries, fatalities or damage caused by crane activities including falling loads, electrical hazards or crane overload. | 5                                                            | 3              | H                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Due to the nature of the site crane operations may be required.<br><br>Health and Safety precautions set out in Preliminary Health and Safety Plan. |  |  | 5                                                             | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                              | M    | Contractor<br>Public<br>Staff<br>Hotel users.                                            | * All Employees to be appropriately trained.<br>* Loads must never be transferred above personnel.<br>* Know, understand and comply with the Lifting Operations and Lifting Equipment Regulations 1998 (LOLER).<br>* Routine maintenance and repairs of all on-site equipment should be carried out at appropriate intervals.<br>* A supervisor must be present on site at all times when cranes are in operation.<br>* Appropriate PPE must be provided for and worn by all employees.<br>* A full risk assessment to identify any hazards, the associated risks and appropriate controls is to be carried out. |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |

| HASSETT LEYDEN & ASSOCIATES                                                                                                             |                                                                                                         |                                                                           | Hazard Identification and Design Risk Assessment             |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                            |                                                               |            |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                     |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
|-----------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|--------------------------------------------------------------|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|---------------------------------------------------------------|------------|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|--|--|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|---|---|---|---|---|
| ROSLEVAN SHOPPING CENTRE, TULLA ROAD, ROSLEVAN, ENNIS, CO. CLARE,<br>T. (065) 6828422 FAX. (065) 6820379 Mail. hlamail@hassettleyden.ie |                                                                                                         |                                                                           | Discipline: Architecture                                     |            | <b>Assessment of Hazard (Severity)</b><br>5 - Death (death/multiple deaths)<br>4 - Long-term health consequence (disabling injury /chronic illness)<br>3 - Short-term health consequence (restricted work activity, strain/sprain)<br>2 - No significant health & safety consequence (first-aid)<br>1 - No health & safety consequence<br><br><b>Assessment of Risk (Likelihood):</b><br>5 - Highly likely<br>4 - Probable<br>3 - Possible<br>2 - Remote, Unlikely<br>1 - Highly unlikely (near negligible) |                                            |                                                               |            |      | <table border="1"> <tr><td>5</td><td>M</td><td>M</td><td>H</td><td>H</td><td>H</td></tr> <tr><td>4</td><td>M</td><td>M</td><td>M</td><td>H</td><td>H</td></tr> <tr><td>3</td><td>L</td><td>M</td><td>M</td><td>M</td><td>H</td></tr> <tr><td>2</td><td>L</td><td>L</td><td>M</td><td>M</td><td>M</td></tr> <tr><td>1</td><td>L</td><td>L</td><td>L</td><td>M</td><td>M</td></tr> <tr><td></td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr> </table> <p style="text-align: center;">LIKELIHOOD</p> |                                                                                                                                     |  |  |  | 5 | M | M | H | H | H | 4 | M | M | M | H | H | 3 | L | M | M | M | H | 2 | L | L | M | M | M | 1 | L | L | L | M | M |  | 1 | 2 | 3 | 4 | 5 |
| 5                                                                                                                                       | M                                                                                                       | M                                                                         | H                                                            | H          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                            |                                                               |            |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                     |  |  |  | H |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| 4                                                                                                                                       | M                                                                                                       | M                                                                         | M                                                            | H          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                            |                                                               |            |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                     |  |  |  | H |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| 3                                                                                                                                       | L                                                                                                       | M                                                                         | M                                                            | M          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                            |                                                               |            |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                     |  |  |  | H |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| 2                                                                                                                                       | L                                                                                                       | L                                                                         | M                                                            | M          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                            |                                                               |            |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                     |  |  |  | M |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| 1                                                                                                                                       | L                                                                                                       | L                                                                         | L                                                            | M          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                            |                                                               |            |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                     |  |  |  | M |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
|                                                                                                                                         | 1                                                                                                       | 2                                                                         | 3                                                            | 4          | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                            |                                                               |            |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                     |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| Project:                                                                                                                                | Houses at Cuil Greine, Donohill, Co. Tipperary                                                          |                                                                           | Planning:                                                    |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                            |                                                               |            |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                     |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| Client:                                                                                                                                 | Tipperary County Council                                                                                |                                                                           | Tender:                                                      | X          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                            |                                                               |            |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                     |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| Project No:                                                                                                                             | 2798                                                                                                    |                                                                           | Construction:                                                |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                            |                                                               |            |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                     |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| PSDP:                                                                                                                                   | Max Kraus                                                                                               |                                                                           | Maintenance:                                                 |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                            |                                                               |            |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                     |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| Date:                                                                                                                                   | 17/07/2026                                                                                              |                                                                           |                                                              |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                            |                                                               |            |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                     |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| No.                                                                                                                                     | Identified Hazards<br>Outline what the potential to cause harm is (to workers of members of the public) | Associated Risk<br>Outline any risk associated with the identified hazard | Initial Risk Rating<br><br>L = Low<br>M = Medium<br>H = High |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Design Mitigation / Control Measures Taken | Residual Risk Rating<br><br>L = Low<br>M = Medium<br>H = High |            |      | Population Exposed<br><br>• Contractor<br>• Maintenance<br>• End User<br>• Others (List)                                                                                                                                                                                                                                                                                                                                                                                                                     | Information to be forwarded to other Designers<br>Information to be forwarded to PSCS<br>Information to be forwarded to Contractors |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
|                                                                                                                                         |                                                                                                         |                                                                           | Severity                                                     | Likelihood | Risk                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                            | Severity                                                      | Likelihood | Risk |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                     |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| 37                                                                                                                                      | Flooding                                                                                                | N/A                                                                       |                                                              |            | H                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                            |                                                               | M          |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                     |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |

| HASSETT LEYDEN & ASSOCIATES                                                                                                             |                                                                                                      |                                                                                                                                                                                                                                                                                      | Hazard Identification and Design Risk Assessment         |                |                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                |                                                           |                |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
|-----------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|----------------|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|---|---|---|---|---|
| ROSLEVAN SHOPPING CENTRE, TULLA ROAD, ROSLEVAN, ENNIS, CO. CLARE,<br>T. (065) 6828422 FAX. (065) 6820379 Mail. hlamail@hassettleyden.ie |                                                                                                      |                                                                                                                                                                                                                                                                                      | Discipline: Architecture                                 |                | Assessment of Hazard (Severity)<br>5 - Death (death/multiple deaths)<br>4 - Long-term health consequence (disabling injury /chronic illness)<br>3 - Short-term health consequence (restricted work activity, strain/sprain)<br>2 - No significant health & safety consequence (first-aid)<br>1 - No health & safety consequence |                                                                                                                                                |                                                           |                |      | SEVERITY<br><table border="1"> <tr><td>5</td><td>M</td><td>M</td><td>H</td><td>H</td><td>H</td></tr> <tr><td>4</td><td>M</td><td>M</td><td>M</td><td>H</td><td>H</td></tr> <tr><td>3</td><td>L</td><td>M</td><td>M</td><td>M</td><td>H</td></tr> <tr><td>2</td><td>L</td><td>L</td><td>M</td><td>M</td><td>M</td></tr> <tr><td>1</td><td>L</td><td>L</td><td>L</td><td>M</td><td>M</td></tr> <tr><td></td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr> </table> LIKELIHOOD |                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  | 5 | M | M | H | H | H | 4 | M | M | M | H | H | 3 | L | M | M | M | H | 2 | L | L | M | M | M | 1 | L | L | L | M | M |  | 1 | 2 | 3 | 4 | 5 |
| 5                                                                                                                                       | M                                                                                                    | M                                                                                                                                                                                                                                                                                    | H                                                        | H              | H                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                |                                                           |                |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| 4                                                                                                                                       | M                                                                                                    | M                                                                                                                                                                                                                                                                                    | M                                                        | H              | H                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                |                                                           |                |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| 3                                                                                                                                       | L                                                                                                    | M                                                                                                                                                                                                                                                                                    | M                                                        | M              | H                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                |                                                           |                |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| 2                                                                                                                                       | L                                                                                                    | L                                                                                                                                                                                                                                                                                    | M                                                        | M              | M                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                |                                                           |                |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| 1                                                                                                                                       | L                                                                                                    | L                                                                                                                                                                                                                                                                                    | L                                                        | M              | M                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                |                                                           |                |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
|                                                                                                                                         | 1                                                                                                    | 2                                                                                                                                                                                                                                                                                    | 3                                                        | 4              | 5                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                |                                                           |                |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| Project:                                                                                                                                | Houses at Cuil Greine, Donohill, Co. Tipperary                                                       |                                                                                                                                                                                                                                                                                      | Planning:                                                |                |                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                |                                                           |                |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| Client:                                                                                                                                 | Tipperary County Council                                                                             |                                                                                                                                                                                                                                                                                      | Tender:                                                  |                | X                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                |                                                           |                |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| Project No:                                                                                                                             | 2798                                                                                                 |                                                                                                                                                                                                                                                                                      | Construction:                                            |                |                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                |                                                           |                |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| PSDP:                                                                                                                                   | Max Kraus                                                                                            |                                                                                                                                                                                                                                                                                      | Maintenance:                                             |                |                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                |                                                           |                |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| Date:                                                                                                                                   | 17/07/2026                                                                                           |                                                                                                                                                                                                                                                                                      |                                                          |                |                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                |                                                           |                |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| No.                                                                                                                                     | Identified Hazards<br>Outline what the potential to cause harm is (to workers of the public)         | Associated Risk<br>Outline any risk associated with the identified hazard                                                                                                                                                                                                            | Initial Risk Rating<br>L = Low<br>M = Medium<br>H = High |                |                                                                                                                                                                                                                                                                                                                                 | Design Mitigation / Control Measures Taken                                                                                                     | Residual Risk Rating<br>L = Low<br>M = Medium<br>H = High |                |      | Population Exposed                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Information to be forwarded to other Designers<br>Information to be forwarded to PSCS<br>Information to be forwarded to Contractors                                                                                                                                                                                                                                                              |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
|                                                                                                                                         |                                                                                                      |                                                                                                                                                                                                                                                                                      | Seve<br>rity                                             | Likeli<br>hood | Risk                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                | Seve<br>rity                                              | Likeli<br>hood | Risk |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| 38                                                                                                                                      | Works in live traffic                                                                                | Injuries, fatalities or damage caused by interaction with live traffic.                                                                                                                                                                                                              | 5                                                        | 3              | H                                                                                                                                                                                                                                                                                                                               | The design requires works in a live road including provision of replacement and new utilities that will require future access for maintenance. | 5                                                         | 2              | M    | Contractor hotel users.                                                                                                                                                                                                                                                                                                                                                                                                                                                               | All utilities shall be located where possible in the footpath or near the road edges to limit interactions with live traffic during construction and maintenance. The Contractor will plan the arrangements for each works zone to provide suitable protection from and for live traffic. The Contractor will agree TTM ( in accordance TSM) with the local authority and relevant stakeholders. |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| 39                                                                                                                                      | Demolition works                                                                                     | <ul style="list-style-type: none"> <li>Falls from height</li> <li>Injury from falling materials</li> <li>Uncontrolled collapse</li> <li>Risks from connected services</li> <li>Traffic management</li> <li>Hazardous materials</li> <li>Noise and vibration</li> <li>Fire</li> </ul> | 5                                                        | 3              | H                                                                                                                                                                                                                                                                                                                               | Due to the nature of the project demolition works are required during the works.                                                               | 5                                                         | 2              | M    | Contractor Public Staff Hotel users                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Refer to Preliminary Health and Safety Plan.<br><br>The HSA Safe System of Work Plan (SSWP) Guidelines and Construction Form 3 (Demolition) should be used.                                                                                                                                                                                                                                      |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| Note:                                                                                                                                   | Refer to C & S Engineer's Risk assement for items relevant to civil and structural engineering.      |                                                                                                                                                                                                                                                                                      |                                                          |                |                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                |                                                           |                |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| Note:                                                                                                                                   | Refer to M & E Engineer's Risk assement for items relevant to mechanical and electrical engineering. |                                                                                                                                                                                                                                                                                      |                                                          |                |                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                |                                                           |                |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |