



|                     |                                       |          |          |          |          |          |                                 |          |          |          |          |          |                                     |          |          |          |          |          |                                |          |          |          |          |          |                                     |          |  |  |  |  |
|---------------------|---------------------------------------|----------|----------|----------|----------|----------|---------------------------------|----------|----------|----------|----------|----------|-------------------------------------|----------|----------|----------|----------|----------|--------------------------------|----------|----------|----------|----------|----------|-------------------------------------|----------|--|--|--|--|
| Chainage            | 1000.000                              | 1010.000 | 1020.000 | 1030.000 | 1040.000 | 1050.000 | 1060.000                        | 1070.000 | 1080.000 | 1090.000 | 1100.000 | 1110.000 | 1120.000                            | 1130.000 | 1140.000 | 1150.000 | 1160.000 | 1170.000 | 1180.000                       | 1190.000 | 1200.000 | 1210.000 | 1220.000 | 1230.000 | 1240.000                            | 1250.000 |  |  |  |  |
| Existing Levels     | 173.733                               | 173.846  | 174.221  | 173.928  | 173.990  | 174.188  | 174.520                         | 174.463  | 174.757  | 175.084  | 175.461  | 175.838  | 176.072                             | 176.315  | 176.302  | 176.190  | 176.180  | 176.599  | 177.037                        | 177.256  | 179.857  | 180.497  | 181.175  | 181.867  | 182.547                             | 183.214  |  |  |  |  |
| Proposed Levels     | 174.332                               | 174.458  | 174.575  | 174.681  | 174.777  | 174.864  | 174.944                         | 175.045  | 175.184  | 175.362  | 175.579  | 175.833  | 176.127                             | 176.458  | 176.829  | 177.237  | 177.684  | 178.170  | 178.694                        | 179.256  | 199.857  | 180.497  | 181.175  | 181.867  | 182.547                             | 183.214  |  |  |  |  |
| Level Difference    | 0.599                                 | 0.612    | 0.354    | 0.753    | 0.788    | 0.675    | 0.424                           | 0.582    | 0.428    | 0.279    | 0.117    | -0.005   | 0.054                               | 0.144    | 0.527    | 1.047    | 1.505    | 1.571    | 1.657                          | 1.999    | 1.999    | 1.999    | 1.999    | 1.999    | 1.999                               |          |  |  |  |  |
| Horizontal Geometry | L=171.705                             |          |          |          |          |          | L=70.000                        |          |          |          |          |          | R=1020.000<br>L=69.758              |          |          |          |          |          | L=70.000                       |          |          |          |          |          |                                     |          |  |  |  |  |
| Vertical Geometry   | R=10000.000<br>K=100.000<br>L=329.632 |          |          |          |          |          | G=0.803%<br>L=6.615             |          |          |          |          |          | R=2600.000<br>K=26.000<br>L=160.570 |          |          |          |          |          | G=6.979%<br>L=0.797            |          |          |          |          |          | R=7800.000<br>K=78.000<br>L=171.501 |          |  |  |  |  |
| Superelevation      | LL -2.5%<br>1062.951<br>RL -2.5%      |          |          |          |          |          | LL -2.5%<br>1062.118<br>RL 0.0% |          |          |          |          |          | LL -2.5%<br>1122.951<br>RL 3.5%     |          |          |          |          |          | LL -3.5%<br>1192.09<br>RL 3.5% |          |          |          |          |          | LL -2.5%<br>1204.375<br>RL 2.5%     |          |  |  |  |  |

**PROPOSED BOGHILL ROAD  
LONGITUDINAL SECTION (1000.000m TO 1250.000m)  
SCALE: H 1:500, V 1:100**

Key to symbols

|     |          |       |                 |        |       |
|-----|----------|-------|-----------------|--------|-------|
| B   | 11/01/19 | RW    | FOR INFORMATION | MK     | MM    |
| A   | 25/07/14 | ML    | FOR INFORMATION | MK     | SW    |
| Rev | Date     | Drawn | Description     | Ch'k'd | App'd |



Client  
**arc21**  
Walsh House  
Fortwilliam Business Park  
35 Dargan Road  
Belfast BT3 9LZ

Title  
**ARC 21 RESIDUAL WASTE TREATMENT PROJECT  
PROPOSED BOGHILL ROAD LONG SECTION  
SHEET 5 OF 6**

|            |                 |          |              |          |                       |   |
|------------|-----------------|----------|--------------|----------|-----------------------|---|
| Designed   | MK              | 13/08/12 | Eng.Chk.     | ACK      | 13/08/12              |   |
| Drawn      | sv              | 13/08/12 | Coordination | DMcF     | 13/08/12              |   |
| Dwg.Chk.   | MK              | 13/08/12 | Approved     | SW       | 13/08/12              |   |
| Scale @ A1 | Project 5090959 |          |              | Status   | T                     |   |
|            | 1:500           |          |              | CAD file | GE-C-BOG-XX-015-B.dwg |   |
| Drawing No | GE-C-BOG-XX-015 |          |              |          | Rev                   | B |