



|                     |                                       |         |         |         |         |         |         |         |         |         |         |         |                             |         |         |         |         |         |                                     |         |                                |         |                                |         |                                |         |
|---------------------|---------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-----------------------------|---------|---------|---------|---------|---------|-------------------------------------|---------|--------------------------------|---------|--------------------------------|---------|--------------------------------|---------|
| Chainage            | 250.000                               | 260.000 | 270.000 | 280.000 | 290.000 | 300.000 | 310.000 | 320.000 | 330.000 | 340.000 | 350.000 | 360.000 | 370.000                     | 380.000 | 390.000 | 400.000 | 410.000 | 420.000 | 430.000                             | 440.000 | 450.000                        | 460.000 | 470.000                        | 480.000 | 490.000                        | 500.000 |
| Existing Levels     | 175.419                               | 175.196 | 174.985 | 174.695 | 174.296 | 173.909 | 173.470 | 173.008 | 172.587 | 172.169 | 171.710 | 171.315 | 170.609                     | 170.506 | 170.436 | 169.148 | 168.981 | 168.056 | 167.976                             | 167.153 | 167.025                        | 166.080 | 165.709                        | 164.717 | 164.219                        | 163.675 |
| Proposed Levels     | 175.761                               | 175.391 | 175.012 | 174.623 | 174.224 | 173.814 | 173.385 | 172.966 | 172.527 | 172.077 | 171.618 | 171.149 | 170.670                     | 170.180 | 169.681 | 169.179 | 168.677 | 168.175 | 167.673                             | 167.172 | 166.701                        | 166.267 | 165.873                        | 165.516 | 165.198                        | 164.919 |
| Level Difference    | 0.341                                 | 0.196   | 0.028   | -0.072  | -0.073  | -0.095  | -0.075  | -0.042  | -0.060  | -0.091  | -0.092  | -0.166  | 0.060                       | -0.325  | -0.755  | 0.031   | -0.304  | 0.119   | -0.303                              | 0.020   | -0.325                         | 0.178   | 0.164                          | 0.799   | 0.980                          | 1.244   |
| Horizontal Geometry | R=255.000<br>L=160.964                |         |         |         |         |         |         |         |         |         |         |         | L=78.200                    |         |         |         |         |         | L=1.356                             |         | L=78.200                       |         |                                |         |                                |         |
| Vertical Geometry   | R=10000.000<br>K=100.000<br>L=179.204 |         |         |         |         |         |         |         |         |         |         |         | G=-5.021%<br>L=49.253       |         |         |         |         |         | R=2600.000<br>K=26.000<br>L=146.179 |         |                                |         |                                |         |                                |         |
| Superelevation      |                                       |         |         |         |         |         |         |         |         |         |         |         | LL 5.0%<br>387.700<br>-5.0% |         |         |         |         |         | LL 2.5%<br>413.767<br>RL -2.5%      |         | LL 0.0%<br>439.834<br>RL +2.5% |         | LL 2.5%<br>465.900<br>RL -2.5% |         | LL -2.5%<br>491.967<br>RL 0.0% |         |

**PROPOSED BOGHILL ROAD  
LONGITUDINAL SECTION (250.000m TO 500.000m)  
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  

 arc 21  
 Walsh House  
 Fortwilliam Business Park  
 35 Dargan Road  
 Belfast BT3 9LZ

Title  
**ARC 21 RESIDUAL WASTE TREATMENT PROJECT  
 PROPOSED BOGHILL ROAD LONG SECTION  
 SHEET 2 OF 6**

|          |    |              |      |
|----------|----|--------------|------|
| Designed | MK | Eng.Chk.     | ACK  |
| Drawn    | SV | Coordination | DMcF |
| Dwg.Chk. | MK | Approved     | SW   |

Scale @ A1: 1:500  
 Project: 5090959  
 CAD file: GE-C-BOG-XX-012-B.dwg  
 Status: T

Drawing No: GE-C-BOG-XX-012  
 Rev: B