

**Davies Homes**

**LAND AT DRAGON PARC, ABERCANAID,  
MERTHYR TYDFIL**

**Coal Mining Risk Assessment**

12888/JJ/23/CMRA

**CLIENT:** Davies Homes

**PROJECT:** Land at Dragon Parc, Abercanaid, Merthyr Tydfil

**TITLE:** Coal Mining Risk Assessment

**JOB NO:** 12888

**DOCUMENT REF:** 12888/JJ/23/CMRA

| Revision | Purpose<br>Description | Originated | Reviewed | Authorised | Date    |
|----------|------------------------|------------|----------|------------|---------|
| 0        | Issue                  | JJ/LW      | RB       | HP         | Feb '23 |

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## **1.0 INTRODUCTION**

### **1.1 GENERAL**

Davies Homes are proposing to redevelop a site at Dragon Park, Abercarnaid, Merthyr Tydfil for residential end use. The location of the site is shown in Figure 1.

Intégral Géotechnique (Wales) Limited have been appointed as the Geotechnical Engineers to undertake a Coal Mining Risk Assessment (CMRA) for the site in order to address a pre-application planning consultation response from the Coal Authority, dated 23 December 2022.

The planning application area which this report looks to address is shown in Figure 2.

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### **1.2 PROPOSED DEVELOPMENT**

The proposed development will comprise the construction of 200 residential dwellings with private gardens, access roads, driveways, areas of public open space (POS) and areas for surface water attenuation.

The development proposals also include flood alleviation engineering earthworks (comprising the construction of a drainage channel and the raising of site levels).

The proposed development layout is detailed in Hammond Architectural Ltd Drawing: Dragon Park, Merthyr Tydfil – Planning Layout, Ref: PL-01, Rev 10, dated July 2022 (an extract of which is shown in Figure 3).

### **1.3 SCOPE OF WORKS**

The objectives of the Coal Mining Risk Assessment (CMRA) are to:

1. Present a desk-based review of all available information on the coal mining issues which are relevant to the site

### 1.3 SCOPE OF WORKS (CONTINUED)

2. Use the information obtained to identify and assess the risks to the proposed development from coal mining legacy, including cumulative impact issues
3. Set out appropriate mitigation measures to address the coal mining legacy issues affecting the site, including any necessary remedial works and/or demonstrate how coal mining issues have influenced the proposed development
4. Demonstrate to the Local Planning Authority that the application is, or can be made safe and stable to meet the requirements of the National Planning Policy Framework and the requirements of the Coal Authority in respect of their determination of planning application consultations
5. Minimise the risks and effects of land instability on properties, infrastructure and the public
6. Help to ensure that various types of development should not be placed in unstable locations without appropriate precautions
7. Bring unstable land, wherever possible back into productive use
8. Assist in safeguarding public and private investment by a proper appreciation of site conditions and necessary precautionary measures.

This report has been prepared in general accordance with the 'Coal Mining Risk Assessment Model Report Template' and intends to demonstrate to the Local Planning Authority and the Coal Authority that the site is, or can be, made safe and stable, and to meet the requirements of the National Policy Planning Framework (NPPF).

The works comprised a review of:

- Old Ordnance Survey maps covering the site
- A Consultants Coal Mining Report obtained from the Coal Authority
- Mine Entry Plan and Data Sheets Report obtained from the Coal Authority
- Mine Abandonment Plans obtained from the Coal Authority
- Geological maps of the area provided by the British Geological Survey (BGS)
- Intrusive site investigation data, including rotary probehole data and exploratory excavation data.

### 1.4 LIMITATIONS

This document is intended to be a working document for further development in discussion with all concerned including the Local Planning Authority, Natural Resources Wales (NRW), and the Coal Authority, as appropriate.

**1.4 LIMITATIONS** (CONTINUED)

It should be noted that the conclusions and recommendations outlined in this CMRA report are applicable to the proposed development layout as detailed in Hammond Architectural Ltd Drawing: Dragon Park, Merthyr Tydfil – Planning Layout, Ref: PL-01, Rev 10, dated July 2022 (an extract of which is shown in Figure 3). The conclusions and recommendations of this CMRA will need to be reviewed and may need to be revised should there be any fundamental changes made to the proposed development layout.

## **2.0 THE SITE**

### **2.1 SITE LOCATION AND DESCRIPTION**

The site is located in Abercarnaid, approximately 2.5km south of Merthyr Tydfil, at a National Grid Reference of 305460, 204240 see Figure 1.

The site is irregular in shape and occupies an area of 9.03 hectares. The boundaries of the site are defined by the River Taff to the east, an unnamed road to the south and west and commercial properties to the north. A site plan is presented in Figure 2.

The site is situated on gently sloping ground at an approximate elevation of 162m AOD in the east and at an approximate elevation of 157m AOD to the south.

The site is situated within a former floodplain of the River Taff.

The site has been largely cleared in preparation for reclamation and redevelopment.

### **2.2 SITE OPERATIONS**

The site has no current site operations. The site has been cleared in preparation for reclamation and redevelopment.

### **2.3 SURROUNDING LAND USE**

The site lies in an area of mixed residential and commercial use. The River Taff is situated to the east of the site.

### **2.4 AVAILABLE SITE INVESTIGATION DATA**

Intégral Géotechnique (Wales) Limited has completed the following previous reports covering the site:

- Desk Study Report, Ardagh Metal Packaging, Abercarnaid, Merthyr Tydfil, dated February 2016 (Reference: 11708/LW/16/DS)
- Coal Mining Risk Assessment, Ardagh Metal Packaging, Abercarnaid, Merthyr Tydfil, dated February 2016 (Reference: 11708/LW/16/DS)
- Site Investigation Report, Dragon Parc, Abercarnaid, Merthyr Tydfil, dated April 2019 (Reference: 12392/LW/19/SI)
- Geoenvironmental Site Investigation Report, Drainage Channel, Dragon Parc, Merthyr Tydfil, dated December 2021 (Reference: 12888/JJ/21/GSI)

**2.4 AVAILABLE SITE INVESTIGATION DATA** (CONTINUED)

- Desk Study Report, Additional Land Parcel, Dragon Parc, Merthyr Tydfil, dated November 2022 (Reference 12888/LP/22/DS)
- Coal Mining Risk Assessment Revision B, Drainage Channel, Dragon Parc, Merthyr Tydfil, dated December 2022 (Reference: 12888/LW/21/CMRA/RevB).

### 3.0 SITE HISTORY

The recent history of the site has been traced with the aid of available historical maps which were contained within an Envirocheck Report which was previously obtained for the site (the Envirocheck Report is presented in previous Desk Study Report, ref: 11708/LW/16/DS).

The earliest map in our possession, dated 1881, shows the site to be predominantly covered in colliery spoil heaps. An Old Coal Shaft was noted in the centre of the site.

A dock intercepted the far western central area of the site and tramway lines crossed the site along the western area. To the south of the dock were Abercanaid Houses, which consisted of a number of residential properties and rear gardens.

The most southern area of the site was noted as the Upper Abercanaid Pit (Coal), with an Engine and Boiler House located on the southwest boundary.

A stream intercepted the site from the central western area and flowed towards the southeast of the site into the River Taff. A minor stream or run-off channel intercepted the northern area of the site from the west and flowed in an easterly direction into the River Taff. In areas, the stream flowed below the spoil heaps, presumably within culverts.

To the south of the site were residential properties. To the west and southwest of the site was a canal and associated towing path. Woodland areas and open fields with a number of old quarries and old air shafts are also indicated to the south of the site. To the north and northwest of the site were colliery spoil heaps. The River Taff was located along the eastern boundary, followed by the Taff Vale Railway.

Numerous old airshafts were located beyond the southwest of the site boundary.

By 1900, the majority of the stream that incepted the north of the site, was indicated to flow below the spoil heaps. An Engine House was located in the northwest of the site. The spoil heaps in the north and central area of the site were fed by tramlines. Abercanaid Houses had been demolished and replaced with tramlines and spoil heaps. The majority of the stream in the south of the site lay below the spoil heaps and tramlines.

A map dated 1919, shows the engine house and tramlines are no longer indicated. The Upper Abercanaid Pit was noted as disused. The Glamorganshire Canal located to the west of the site was noted as disused. A Gas Works was located some 400m north of the site.

### **3.0 SITE HISTORY** (CONTINUED)

By 1964, the majority of the site remained covered with soil heaps. Allotments were located in the far southern area of the site. The stream in the south of the site indicated to be the Nant Cannaid.

By 1972, the soil heaps were labelled as Tip (disused). A pipeline crossed the south of the site in an east to west trend. Three above ground electricity lines was shown to cross the site. A road entered the site from the north towards a factory that was located immediately to the northwest of the site. An area of residential properties was located some 100m to the southwest of the site. A factory was located adjacent to the Gas Works some 400m north of the site.

A map dated 1979, shows that the site had been cleared of the colliery spoil heaps and the overhead electricity cables had been removed. A factory was located immediately to the north of the site.

By 1986, buildings were located on site resemble the most recent site layout. The site contained a large building, with a smaller building in the south and west of the site. An above ground tank was located in the northeast and two tanks in the west of the site. Off-site a further factory was located immediately to the west of the site.

A map dated 1988, shows the factory to the north of the site had expanded in size. No significant change had occurred on site. By 1997, the factory was known to have been operated by the Ardagh Group for printing of current boards and coating of metal packaging.

By 2006, no significant change had occurred on site. Abercanaid Industrial Estate was located some 250m to the north of the site.

A map dated 2015, indicates that the large factory building and the smaller buildings and tanks in the northeast of the site were no longer present. Buildings remained in the far south and west of the site.

By present day all buildings located on site had been demolished.

## 4.0 SITE ENVIRONMENTAL SETTING

### 4.1 PHYSICAL SETTING

The site is situated within a former floodplain of the River Taff with the site levels to be raised to an elevation of approximately 157m AOD.

### 4.2 GEOLOGY

The 1:10,560 scale geological map of the area (Sheet SO 00 SE) indicates the site is underlain by bedrock strata of the South Wales Middle Coal Measures of Carboniferous age. These strata comprise grey mudstone and siltstone with productive coal seams. The geological map indicates the bedrock strata dip in a southerly direction in the area, with recorded dips of approximately 10° indicated to the south of the site.

The geological map indicates the conjectural outcrops of several coal seams within the site. In the southern to central areas of the site, outcrops of the 'Two Feet Nine', 'Four Feet', 'Upper Six Feet' and 'Lower Six Feet' coal seams are indicated to be present. The outcrops of the 'Nine Feet' and 'Bute' coal seams are indicated to be present in the vicinity of the northern site boundary. The conjectural outcrops of the 'Yard' and 'Seven Feet' coal seams are also shown further to the north of the site.

The generalised vertical section of the geological map shows that all these coal seams have potentially workable seam thickness, as follows:

| <b>Coal Seam</b> | <b>Typical Seam Thickness (m)</b> |
|------------------|-----------------------------------|
| Two Feet Nine    | 0.75                              |
| Four Feet        | 1.80                              |
| Upper Six Feet   | 0.90                              |
| Lower Six Feet   | 1.20                              |
| Nine Feet        | 3.65                              |
| Bute             | 1.20                              |
| Yard             | 0.75                              |
| Seven Feet       | 1.20                              |

An extract of the geological map is presented in Figure 4.

A number of these coal seams are known to have been mined in the area and are likely to underlie parts of the site at shallow depths.



## 4.2 GEOLOGY (CONTINUED)

The geological map indicates superficial deposits of Alluvium of the Quaternary period to overlie the bedrock strata in the northern and south-eastern areas of the site. Superficial Devensian Till deposits of the Quaternary period are indicated to overlie the bedrock strata in the western and south-western areas of the site.

Made ground is anticipated across the site and the surrounding area.

A summary of the anticipated geological succession is given below in Table 1.

| <b>Table 1: Summary of Anticipated Site Geology</b> |                                            |                                                                                                                                                                                                                                                                                                           |
|-----------------------------------------------------|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Geological unit</b>                              | <b>Horizon</b>                             | <b>Description</b>                                                                                                                                                                                                                                                                                        |
| Recent                                              | Made ground                                | Various materials but likely to contain colliery spoil                                                                                                                                                                                                                                                    |
| Quaternary                                          | Alluvium (Northern and south eastern)      | Clay, silt, sand and gravel deposited by a river, stream or other body of running water as a sorted or semi-sorted sediment. Normally soft to firm consolidated, compressible silty clay, but can contain layers of silt, sand, peat and basal gravel. A stronger, desiccated surface zone may be present |
|                                                     | Devensian Till (Western and south western) | Poorly sorted and variable clays, sands and gravel                                                                                                                                                                                                                                                        |
| Carboniferous                                       | South Wales Middle Coal Measures           | Grey mudstone and siltstone with several productive coal seams                                                                                                                                                                                                                                            |

## 4.3 MINING

### 4.3.1 Past Underground Coal Mining (Recorded)

A Coal Authority 'Consultants Coal Mining Report' has been obtained for the site (see Appendix A).

The Coal Authority confirm they have records of shallow recorded underground mine workings targeting the 'Four Feet' coal seam beneath the site, last worked in 1950. The Consultants Coal Mining Report indicates the depths to the recorded workings targeting the Four Feet coal seam could be as shallow as 10m beneath the site. The extraction thickness is listed as 1.68m.

### 4.3 MINING (CONTINUED)

A mine abandonment plan (ref: SW478) detailing the extent of the recorded workings targeting the Four Feet seam beneath the site has been obtained from the Coal Authority. A georeferenced extract of abandonment plan SW478 is presented in Appendix B.

Abandonment plan SW478 shows that the shallow workings in the Four Feet seam underlie the south-western area of the site. Elevations recorded indicate the depth of the recorded workings vary between approximately 10m bgl (at their northern-most extent) and 30m bgl (at the southern site boundary). The abandonment plan indicates a sudden stopping of the eastward advancement of the mine workings beneath the site. This may be due to the presence of a fault or significant thickening of overlying superficial soils towards the east (i.e., towards the River Taff).

The Coal Authority also record the presence of deeper mine workings beneath the site, targeting the 'Nine Feet' and 'Severn Feet' coal seams, at approximate depths ranging between 64m to 76m. Georeferenced extracts of the available mine abandonment plans showing these deeper workings are presented in Appendix B.

Workings targeting the 'Upper 6FT Rider', 'Four Feet', 'Lower Nine Foot' and 'Lower 7FT Bottom Leaf' have also been recorded to the south / southwest of the site, at approximate depths ranging between 18m and 114m.

#### 4.3.2 *Underground Coal Mining (Unrecorded)*

The Coal Authority indicates that the site is in an area where they believe there could be unrecorded coal workings present at or close to the surface (i.e., less than 30m deep).

#### 4.3.3 *Mine Entries*

The Coal Authority indicate there to be three mine entries recorded within the site boundary, and a further three mine entries within 20m of the site.

The mine entries recorded on site are as follows:

- Shaft 305204-031
- Shaft 305204-038
- Adit 305204-060

The mine entries recorded off-site (within 20m of the site boundary) are as follows:

- Shaft 305204-036
- Shaft 305204-037
- Shaft 305204-030

### 4.3 MINING (CONTINUED)

A Mine Entry Plan and Data Sheets Report applicable to the above listed mine entries has been obtained from the Coal Authority (see Appendix C).

A summary of the Coal Authority published mine entry data is presented below in Tables 2 and 3. The recorded locations of the various mine entries in relation to the proposed development layout are shown in Figure 5.

| <b>Table 2: Mine Entry Data – On Site Features</b> |                 |                                 |                       |                 |                 |                      |                                                                                             |
|----------------------------------------------------|-----------------|---------------------------------|-----------------------|-----------------|-----------------|----------------------|---------------------------------------------------------------------------------------------|
| Ref:                                               | Shaft/<br>Adit? | CA<br>Primary<br>Source<br>Plan | Depth of<br>Shaft (m) | Diameter<br>(m) | Adit<br>Azimuth | Easting,<br>Northing | Treatment Details                                                                           |
| 305204-031                                         | Shaft           | OS Map                          | Unknown               | Unknown         | n/a             | 305409,<br>204288    | This shaft was located, grouted, and capped in 1977                                         |
| 305204-038                                         | Shaft           | OS Map                          | Unknown               | Unknown         | n/a             | 305409,<br>204091    | This shaft was located, grouted, and capped in 1975                                         |
| 305204-060                                         | Adit            | Plan<br>46E<br>50A(Y)           | n/a                   | Unknown         | 235             | 305393,<br>204114    | This adit was uncovered during road improvement works and treated by K Wardell and Partners |

| <b>Table 3: Mine Entry Data – Off Site Features (within 20m)</b> |                 |                                 |                       |                 |                 |                      |                                                                |
|------------------------------------------------------------------|-----------------|---------------------------------|-----------------------|-----------------|-----------------|----------------------|----------------------------------------------------------------|
| Ref:                                                             | Shaft/<br>Adit? | CA<br>Primary<br>Source<br>Plan | Depth of<br>Shaft (m) | Diameter<br>(m) | Adit<br>Azimuth | Easting,<br>Northing | Treatment Details                                              |
| 305204-036                                                       | Shaft           | OS Map                          | Unknown               | Unknown         | n/a             | 305409,<br>204288    | This shaft was located, grouted, and capped in 1975            |
| 305204-037                                                       | Shaft           | OS Map                          | Unknown               | Unknown         | n/a             | 305398,<br>204093    | This shaft was located, grouted, and capped in 1975            |
| 305204-030                                                       | Shaft           | OS Map                          | Unknown               | Unknown         | n/a             | 305420,<br>204053    | Information provided by British Coal indicates shaft is filled |

The Coal Authority confirm that all mine entries on site (and in the immediate vicinity of the site) have been previously located and treated.

### **4.3 MINING (CONTINUED)**

#### **4.3.4 Opencast Coal Mining**

The Coal Authority indicate that there are no opencast mines on site or within 500m of the site.

#### **4.3.5 Mine Gas**

The Coal Authority are not aware of any recorded mine gas emissions on site or within 500m of the site. However, coals seams and coal mine workings can pose a potential ground gas risk.

#### **4.3.6 Coal Mining Subsidence**

The Coal Authority states that *“The Coal Authority has not received a damage notice or claim for the subject property, or any property within 50 metres of the enquiry boundary, since 31 October 1994. There is no current Stop Notice delaying the start of remedial works or repairs to the property”*.

## **5.0 MINING CONSTRAINTS AND MITIGATION RECOMMENDATIONS**

### **5.1 FIELDWORKS**

A comprehensive intrusive ground investigation has been undertaken across the site to allow for an assessment of coal mining legacy risks.

The works undertaken comprised an initial 19 No. rotary probeholes (referenced PH1 to PH19) completed during March 2019, followed by an additional 38 rotary probeholes (referenced PH101 to PH138) completed during August 2021. The rotary probeholes were drilled using open-hole drilling methods down to a maximum depth of approximately 30.0m bgl.

Shallow ground gas monitoring standpipes were installed in six rotary probeholes (PH1, PH9, PH10, PH13, PH16 and PH18). A programme of ground gas monitoring (comprising a total of six monitoring rounds) was completed during 2019. The gas monitoring programme commenced on 24 April 2019 and completed on 01 August 2019.

In addition to the rotary drilling, an exploratory bulk excavation was also completed to locate Shaft 305204-031 during 2021. The excavation was undertaken with a large, tracked excavator to a depth of approximately 10.0m bgl.

The approximate locations of the rotary boreholes and bulk excavation are shown in Figure 5.

Copies of the rotary probehole logs are presented in Appendix D.

The results of the ground gas monitoring programme are presented in Appendix E.

### **5.2 GROUND CONDITIONS**

#### **5.2.1 Rotary Probehole Findings**

The ground conditions encountered within the rotary probeholes comprised a variable thickness of made ground and natural superficial soils (recorded to extend to depths of between approximately 10.0m and >30.0m bgl), over mudstone and sandstone bedrock strata. The thickness of the superficial soil was proven to increase significantly towards the east (i.e., towards the River Taff).

## 5.2 GROUND CONDITIONS (CONTINUED)

A number of intact coal seams were encountered within the drilled depths of the rotary probeholes. A summary of the encountered coal seams is presented below in Table 4.

| Table 4: Encountered Coal Seams |                                        |                                     |                                                                 |                                         |                         |
|---------------------------------|----------------------------------------|-------------------------------------|-----------------------------------------------------------------|-----------------------------------------|-------------------------|
| Probehole Reference             | Approximate Depth to Coal Seam (m bgl) | Approximate Coal Seam Thickness (m) | Approximate Thickness of Made Ground / Superficial Deposits (m) | Approximate Thickness of Rock Cover (m) | Comments                |
| PH1                             | 17.0                                   | 1.4                                 | 10.2                                                            | 6.8                                     | Possible Four Feet      |
| PH2                             | 21.8                                   | 0.7                                 | 16.9                                                            | 4.9                                     |                         |
| PH3                             | 19.7                                   | 1.4                                 | 17.8                                                            | 1.9                                     | Possible Four Feet      |
| PH5                             | 16.0                                   | 1.3                                 | 11.6                                                            | 4.4                                     | Possible Four Feet      |
| PH10                            | 19.7                                   | 1.3                                 | 13.7                                                            | 6.0                                     |                         |
| PH11                            | 23.2                                   | 1.2                                 | 14.4                                                            | 8.8                                     |                         |
| PH13                            | 16.7                                   | 1.2                                 | 13.2                                                            | 3.5                                     |                         |
| PH15                            | 14.9                                   | 0.8                                 | 14.9                                                            | 0.0                                     |                         |
| PH17                            | 21.0                                   | 0.8                                 | 14.8                                                            | 6.2                                     |                         |
| PH101                           | 22.9                                   | 1.3                                 | 14.3                                                            | 8.6                                     |                         |
| PH103                           | 22.5                                   | 1.0                                 | 11.8                                                            | 10.7                                    |                         |
| PH104                           | 19.4                                   | 0.6                                 | 19.4                                                            | 0.0                                     |                         |
| PH105                           | 28.2                                   | 1.3                                 | 16.4                                                            | 11.8                                    |                         |
| PH109                           | 14.7                                   | 1.4                                 | 13.1                                                            | 1.6                                     | Possible Upper Six Feet |
|                                 | 20.0                                   | 1.4                                 |                                                                 | 6.9                                     | Possible Lower Six Feet |
|                                 | 24.8                                   | 1.5                                 |                                                                 | 11.7                                    |                         |
| PH113                           | 15.2                                   | 1.6                                 | 12.0                                                            | 3.2                                     | Possible Upper Six Feet |
|                                 | 21.2                                   | 1.2                                 |                                                                 | 9.2                                     | Possible Lower Six Feet |
|                                 | 25.5                                   | 0.3                                 |                                                                 | 13.5                                    |                         |
| PH114                           | 22.5                                   | 1.5                                 | 17.7                                                            | 4.8                                     | Possible Upper Six Feet |
|                                 | 26.7                                   | 0.7                                 |                                                                 | 9.0                                     | Possible Lower Six Feet |
| PH115                           | 14.9                                   | 0.4                                 | 14.9                                                            | 0.0                                     |                         |
|                                 | 21.1                                   | 0.9                                 |                                                                 | 6.2                                     | Possible Upper Six Feet |
|                                 | 25.2                                   | 1.2                                 |                                                                 | 10.3                                    | Possible Lower Six Feet |
| PH116                           | 24.8                                   | 1.5                                 | 13.0                                                            | 11.8                                    | Possible Upper Six Feet |
| PH117                           | 24.8                                   | 1.2                                 | 17.6                                                            | 7.2                                     | Possible Upper Six Feet |
| PH119                           | 17.0                                   | 1.2                                 | 13.0                                                            | 4.0                                     | Possible Four Feet      |
| PH120                           | 25.2                                   | 1.5                                 | 15.5                                                            | 9.7                                     | Possible Upper Six Feet |
| PH122                           | 12.1                                   | 1.5                                 | 12.1                                                            | 0.0                                     |                         |
| PH123                           | 23.5                                   | 1.4                                 | 18.9                                                            | 6.6                                     |                         |
| PH126                           | 21.5                                   | 1.7                                 | 20.7                                                            | 0.80                                    |                         |
| PH127                           | 11.5                                   | 1.5                                 | 11.5                                                            | 0.0                                     |                         |
|                                 | 13.7                                   | 1.4                                 |                                                                 | 2.2                                     |                         |
|                                 | 22.3                                   | 1.3                                 |                                                                 | 11.1                                    |                         |
| PH128                           | 19.5                                   | 1.5                                 | 11.4                                                            | 8.1                                     |                         |
| PH129                           | 16.6                                   | 1.5                                 | 10.5                                                            | 6.1                                     |                         |
|                                 | 24.5                                   | 1.3                                 |                                                                 | 14.0                                    |                         |

## 5.2 GROUND CONDITIONS (CONTINUED)

| Table 4: Encountered Coal Seams |                                        |                                     |                                                                 |                                         |                    |
|---------------------------------|----------------------------------------|-------------------------------------|-----------------------------------------------------------------|-----------------------------------------|--------------------|
| Probehole Reference             | Approximate Depth to Coal Seam (m bgl) | Approximate Coal Seam Thickness (m) | Approximate Thickness of Made Ground / Superficial Deposits (m) | Approximate Thickness of Rock Cover (m) | Comments           |
| PH130                           | 16.5                                   | 1.7                                 | 11.5                                                            | 5.0                                     |                    |
|                                 | 25.0                                   | 1.2                                 |                                                                 | 13.5                                    |                    |
| PH131                           | 18.3                                   | 1.5                                 | 14.1                                                            | 4.2                                     |                    |
| PH132                           | 21.8                                   | 1.5                                 | 17.0                                                            | 4.8                                     |                    |
|                                 | 24.0                                   | 0.7                                 |                                                                 | 7.0                                     |                    |
| PH134                           | 15.4                                   | 1.6                                 | 10.0                                                            | 5.4                                     |                    |
| PH135                           | 17.6                                   | 1.3                                 | 11.8                                                            | 5.8                                     |                    |
| PH136                           | 19.9                                   | 1.9                                 | 18.3                                                            | 1.6                                     | Possible Four Feet |
| PH137                           | 17.3                                   | 0.5                                 | 15.5                                                            | 1.8                                     |                    |
| PH138                           | 27.8                                   | 0.4                                 | 16.5                                                            | 11.3                                    |                    |

Evidence of mine workings was recorded in PH4, PH122, PH125, and PH135. A summary of the encountered mine workings is presented below in Table 5.

| Table 5: Encountered Mine Workings |                                       |                                   |                                                                 |                                         |                    |
|------------------------------------|---------------------------------------|-----------------------------------|-----------------------------------------------------------------|-----------------------------------------|--------------------|
| Probehole Reference                | Approximate Depth to Workings (m bgl) | Approximate Working Thickness (m) | Approximate Thickness of Made Ground / Superficial Deposits (m) | Approximate Thickness of Rock Cover (m) | Comments           |
| PH4                                | 17.5                                  | 1.6                               | 11.5                                                            | 6.0                                     | Possible Four Feet |
| PH122                              | 18.5                                  | 1.9                               | 12.1                                                            | 6.4                                     | Possible Four Feet |
| PH125                              | 21.4                                  | 2.1                               | 16.8                                                            | 4.6                                     | Possible Four Feet |
| PH134                              | 22.3                                  | 1.7                               | 10.0                                                            | 12.3                                    | Possible Four Feet |

The locations and depths of the encountered mine workings correlate with those shown targeting the Four Feet coal seam on abandonment plan SW478.

At PH5, 'soft drill' was encountered below a coal seam between 17.3m and 18.1m depth. It is considered that the soft drill is due to the presence of a possible seat earth or a highly weathered band of mudstone below the coal seam, as opposed to old mine workings.

Within borehole PH11, 'broken ground' was noted within sandstone at depths of between 18.9m and 19.9m depth. It is considered that this band of broken ground is associated with a fault or weakness in the sandstone, as opposed to old mine workings.

## 5.2 GROUND CONDITIONS (CONTINUED)

### 5.2.2 Bulk Excavation Findings

A large bulk excavation was undertaken to locate Shaft 305204-031. The excavation located the shaft at the Coal Authority recorded location (at 305409E, 204288N). The shaft was found to be capped at a depth of approximately 10.0m below existing ground level, approximately 2.0m into the natural strata. The concrete cap was found intact and spanned an area of approximately 10m x 10m.

## 5.3 RISKS FROM MINING LEGACY

The desk study search of the various coal mining information and maps and the 2019 site investigation and the recent supplementary drilling investigation identifies the following site-specific coal mining legacy risks to the site, see Table 6.

| Table 6: Mining Legacy Risk Table                    |     |    |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|------------------------------------------------------|-----|----|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Coal Mining Issue                                    | Yes | No | Risk Assessment    |                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|                                                      |     |    | Rating             | Comments                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Underground coal mining (recorded at shallow depths) | X   |    | Low to High risk   | Shallow recorded mine workings targeting the Four Feet coal seam, beneath the southwest area of the site, as shown on abandonment plan SW478. Evidence of these shallow workings encountered PH4, PH122, PH125, and PH13 – mitigation required (see Section 5.4).                                                                                                                                                                                         |
| Underground coal mining (probable at shallow depths) | X   |    | Low to Medium risk |                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Mine entries (shafts)                                | X   |    | Low to Medium risk | Shaft 205204-031 located on site. Previously grouted and capped. 15m radius no-build zone to be applied (applicable to houses and garages).<br><br>Cluster of shafts (Shafts 205204-038, 205204-037, 205204-036) indicated on the southwest boundary of the site. All indicated to have been previously located, filled, grouted, and capped. No proposed buildings within influencing distances of these features (see Section 5.5 for further details). |
| Mine entries (adits)                                 | X   |    | Low risk           | Adit 205204—060 situated adjacent to southwest boundary of the site. This feature has been previously located, treated, and is dipping away from the site towards the west. No proposed development within influencing distance of this feature (see Section 5.6 for further details).                                                                                                                                                                    |
| Coal mining geology (faults and fissures)            |     | X  | Low risk           | None recorded.                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Record of past mine gas emissions or potential       | X   |    | Low to Medium risk | Gas monitoring programme undertaken. Gas protective measures required in buildings (see Section 5.7)                                                                                                                                                                                                                                                                                                                                                      |
| Recorded coal mining surface hazard                  |     | X  | Low risk           | None recorded.                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Surface mining (opencast workings)                   |     | X  | Low risk           | None recorded.                                                                                                                                                                                                                                                                                                                                                                                                                                            |



## **5.4 SHALLOW UNDERGROUND MINE WORKINGS**

A comprehensive intrusive ground investigation has been undertaken across the site to allow for an assessment of potential coal mining legacy risks.

A total of 57 No. rotary probeholes have been drilled across the site in order to assess potential risk to the proposed development from shallow recorded and potential unrecorded underground mine workings.

Evidence of underground mine workings was only encountered in four of the 57 No. rotary probeholes (see PH4, PH122, PH125, and PH135).

Based on a detailed review of the rotary probehole findings, and the proposed development layout, the site has been zoned in relation to the level of risk associated with shallow underground mine workings.

The zones, referred to as 'Risk Zone A' and 'Risk Zone B' are shown in Figure 5. The risk zones and recommended mitigation measures have been summarised below.

### **5.4.1 Risk Zone A**

Risk Zone A comprises the south-western area of the site as shown in Figure 5.

This area is underlain by shallow underground mine workings targeting the Four Feet coal seam.

Evidence of shallow mine workings were encountered within four rotary probeholes (PH4, PH122, PH125 and PH134) positioned across Risk Zone A, at depths of between approximately 17.9m and 23.3m below existing ground level, with recorded thickness of between approximately 1.6m and 2.1m.

Within the area, rockhead was encountered at depths of between 10.2m and 22.3m.

Based on the 10:1 ratio for the thickness of rock cover to void height required to prevent potential subsidence migrating up from workings to the surface as previously discussed and based on the 2.1m thick workings encountered, a minimum 21m of rock cover would be required above the recorded workings. Therefore, based on the site investigation works undertaken, there is insufficient rock cover above the identified mine workings.

Further to the above, the Coal Authority Abandonment Plans indicate that there are associated roadways recorded below the area which potentially, may be wider or taller than the workings, and therefore a greater thickness in rock cover would be required.

#### 5.4 SHALLOW UNDERGROUND MINE WORKINGS (CONTINUED)

Given the presence of shallow coal seams and mine workings with insufficient overlying rock cover, mitigation measures will be required in the south-western area of the site.

Based on the nature of the proposed development across Risk Zone A, the following mitigation measures are recommended:

##### Proposed Buildings (within Risk Zone A)

- Further consideration is required across the proposed residential development areas within Risk Zone A (see Figure 5). It is recommended that allowances should be made for undertaking a degree of drilling and grouting ground stabilisation works across the orange shaded area shown in Figure 5. In order to consider the required extent of drilling and grouting ground stabilisation works in detail, it is recommended that a programme of plot-specific proof drilling is undertaken across this area of the site.
- Following the recommended plot-specific proof drilling and the successful completion of any required drilling and grouting ground stabilisation, it is recommended that reinforced concrete raft foundations bearing onto re-engineered fill be utilised for all proposed buildings within Risk Zone A.
- Rafts should be designed to an allowable maximum bearing pressure of  $50\text{kN/m}^2$ , with an average pressure of less than or equal to  $30\text{kN/m}^2$ . At this intensity of loading, the total settlements should not exceed 30mm and any angular distortions caused by differential movements should be less than 1:750.
- All raft foundations are designed to span a 3.0m void and a 1.5m cantilever at building corners.

##### Proposed Drainage Channel Area (within Risk Zone A)

- Part of a proposed drainage channel passes through Risk Zone A (see Figure 5). It is recommended that a reinforced geo-mattress, incorporating Tensar TriAx 160 (or similar approved product) is constructed to support the channel base and engineered channel embankments.
- The geo-mattress should comprise 500mm DTp Type 1 sub-base with a Tensar TriAx 160 geogrid at the top, middle and bottom. The recommended geo-mattress extent is shown in Figure 5.

## 5.4 SHALLOW UNDERGROUND MINE WORKINGS (CONTINUED)

- It should be noted that CIRIA C758D Abandoned Mine Working Manual, states that the use of reinforced geo-synthetic are applicable in areas where the likelihood of a subsidence event is low or its consequence minimal, and its application includes permanent spanning of potential migrating voids. It also includes spanning zones of potential crown holes or lengths of adits with marginal bedrock cover ratio.
- This approach is considered appropriate as the channel is only to be used in time of flood, in the event of the adjacent adopted storm water drainage system becoming blocked. Accordingly, usage of the channel is anticipated to be very low. Additionally, any residual minor subsidence would not have a material effect on the performance of the channel.

### 5.4.2 Risk Zone B

Risk Zone B comprises the remaining site area (see Figure 5).

There are no shallow recorded underground mine workings beneath Risk Zone B.

It is noted that the Coal Authority do hold records of underground mine workings targeting the 'Nine Feet' and 'Severn Feet' coal seams, at approximate depths ranging between 64m to 76m beneath this area. However, at such depth these recorded workings are not considered to pose a potential ground subsidence risk.

With regards to potential shallow unrecorded workings, it is noted that numerous coal seams were encountered within the drilled depths of the majority of the rotary probeholes positioned across Risk Zone B. However, all encountered coal seams were recorded as intact and are overlain by a significant thickness of superficial deposits.

No evidence of potential unrecorded shallow mine workings was encountered within any of the rotary probeholes positioned across Risk Zone B.

Considering the high density of the rotary probeholes, and the lack of any encountered evidence of potential mine workings, the risk from potential shallow unrecorded mine workings beneath Risk Zone B is considered to be low. Furthermore, the risk of potential shallow unrecorded crop workings is considered to be low due to the significant thickness of superficial soils and the proximity to the River Taff.

It is considered that this low residual risk can be successfully mitigated with the adoption of shallow reinforced concrete raft foundations bearing onto re-engineered fill, without the requirement for further mitigation/treatment such as drilling and grouting ground stabilisation.

#### **5.4 SHALLOW UNDERGROUND MINE WORKINGS** (CONTINUED)

Rafts should be designed to an allowable maximum bearing pressure of 50kN/m<sup>2</sup>, with an average pressure of less than or equal to 30kN/m<sup>2</sup>. At this intensity of loading, the total settlements should not exceed 30mm and any angular distortions caused by differential movements should be less than 1:750.

All raft foundations are designed to span a 3.0m void and a 1.5m cantilever at building corners.

Reference should be made to: Site Investigation Report, Dragon Parc, Abercanaid, Merthyr Tydfil, dated April 2019 (Reference: 12392/LW/19/SI), for further details relating to the required site preparatory reclamation earthworks and foundation recommendations applicable to the site.

#### **5.5 MINE ENTRIES – SHAFTS**

There are two mine shafts recorded on site (see Shaft 205204-031 and Shaft 205204-038 in Figure 5). A further three mine shafts are recorded within 20m of the site boundary (see Shaft 205204-036, Shaft 205204-037, and Shaft 205204-030 in Figure 5).

Coal Authority records indicate that Shaft 205204-031 was located, grouted, and capped in 1977. As part of the ground investigation works undertaken at the site, a bulk excavation located Shaft 205204-031 at the Coal Authority recorded position of 305409E, 204288N. The shaft was found to be capped at a depth of approximately 10.0m below existing ground level, approximately 2.0m into the natural strata. The concrete cap was found intact and spanned an area of approximately 10m x 10m.

It is considered that a 15m radius no build zone should be applied from the centre of Shaft 205204-031 (see Figure 5). The advised no-build zone should apply to proposed buildings and structures only.

Shaft 205204-038 is located in the south-western corner of the site. Shaft 205204-036, and Shaft 205204-037 are located immediately adjacent to the south-western site boundary. Shaft 205204-030 is located approximately 19m to the southwest of the site.

Coal Authority records indicate that Shaft 205204-038, Shaft 205204-036, Shaft 205204-037, and Shaft 205204-030 have all been previously located and treated (i.e., filled, grouted and/or capped).

## **5.5 MINE ENTRIES – SHAFTS** (CONTINUED)

Considering (1) that these shafts have been previously located and treated, and (2) the nature of the proposed development in the vicinity of these features (i.e., unoccupied areas of landscaping, and part of proposed drainage channel (which will be constructed over a reinforced geo-mattress, as detailed in Section 5.4), any potential ground subsidence risk associated with these features is considered to be low. However, it is considered that a 15m radius no build zone should be applied from the centre of these features (see Figure 5). The advised no-build zone should apply to proposed buildings and structures only.

As the development site sits within a historical mining area and therefore there is a residual risk of unrecorded mine entries to be present on site. All site operatives should be made aware of this potential risk and a watching brief should be maintained during site works.

## **5.6 MINE ENTRIES – ADITS**

The Coal Authority record one adit on site (and within 20m of the site boundary). This is referenced as Adit 305204-060, as indicated in Figure 5.

Adit 305204-060 is located outside the proposed development area and is indicated to be trending away from the site towards the southwest. Coal Authority records indicate this mine adit was uncovered and treated by K Wardell and Partners during road improvement works. Considering this feature has been located, treated, and is trending away from the site, it is not considered to pose a potential ground subsidence risk to the proposed development.

The development site sits within a historical mining area and therefore there is a residual risk of unrecorded mine entries to be present on site. All site operatives should be made aware of this potential risk and a watching brief should be maintained during site works.

## **5.7 MINE GAS**

The Coal Authority Mining Report records no instances of reported mine gas emissions requiring action at the site. However, coals seams and coal mine workings can pose a potential ground gas risk.

In order quantify the potential ground gas risk at the site, a programme of ground gas monitoring (comprising a total of six monitoring rounds) has been completed. Gas monitoring standpipes were installed in six rotary probeholes (PH1, PH9, PH10, PH13, PH16 and PH18) and these were monitored at fortnightly intervals following completion of the 2019 fieldworks.

## 5.7 MINE GAS (CONTINUED)

The gas monitoring programme commenced on 24 April 2019 and completed on 01 August 2019.

The results show a maximum methane concentration of 2.1% and a maximum carbon dioxide concentration of 2.3%. A maximum gas flow rate of 0.3l/hr was measured during the gas monitoring programme. In accordance with CIRIA Report C665 a Gas Screening Value (GSV) of 0.0069l/hour has been calculated.

Due to the recorded concentrations of methane (i.e., greater than 1.0%), the site is classified as 'Amber 1' in accordance with the NHBC Traffic Light System, and 'CS2' in accordance with BS8485:2015.

Where the proposed buildings are that of a 'typical' house as defined by the NHBC (i.e., a house up to three storeys with <100m<sup>2</sup> footprint, and minimum 150mm depth clear ventilated sub-slab void), the 'Amber 1' classification will apply, and the proposed buildings will need to incorporate appropriate ground gas protection measures for 'Amber 1' sites. These comprise: (1) Ventilation - minimum 150mm depth clear ventilated void achieving sub-slab ventilation of one completed air exchange per day, (2) Membrane – must be suitable for purpose, (3) Membrane installation/design – to achieve complete integrity across building footprint. Penetrations and joints sealed.

Third-party verification of the installed gas membranes would not normally be required by NHBC for 'Amber 1' sites.

In instances where a 150mm clear ventilated sub-slab void is unachievable, then the 'CS2' classification will apply. In these instances, the proposed buildings will need to incorporate ground gas protection measures designed in accordance with the scoring system outlined in BS8485:2015 for a 'CS2' site.

All excavations should be regularly checked for safe atmospheres, including oxygen levels, and guidance sought should low oxygen levels be identified in excavations/confined spaces.

## **APPENDIX A**

### **CONSULTANTS COAL MINING REPORT**

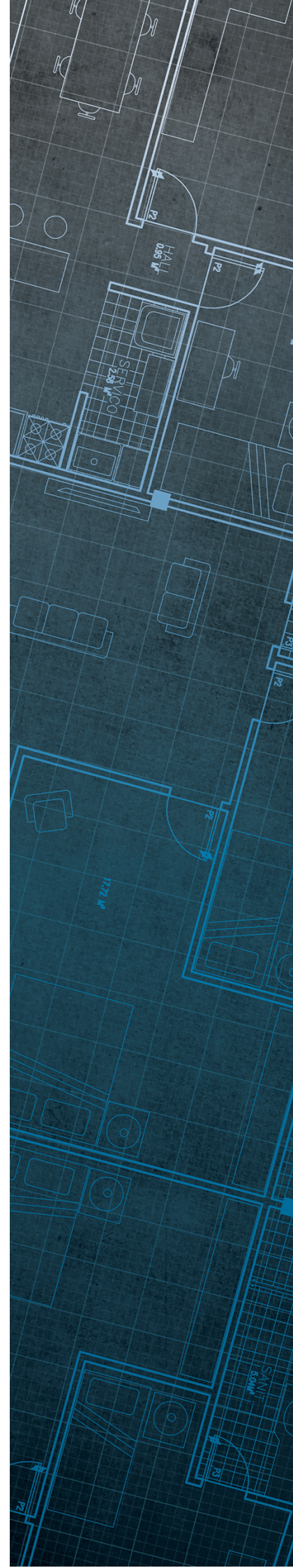


The Coal  
Authority

# Consultants Coal Mining Report

Land At Dragon Parc, Abercanaid  
Merthyr Tydfil  
Merthyr Tydfil

|                        |                  |
|------------------------|------------------|
| Date of enquiry:       | 15 February 2023 |
| Date enquiry received: | 15 February 2023 |
| Issue date:            | 15 February 2023 |
| Our reference:         | 51003338915001   |
| Your reference:        | 12888/JJ         |





# Consultants

## Coal Mining Report

This report is based on and limited to the records held by the Coal Authority at the time the report was produced.

### Client name

INTEGRAL GEOTECHNIQUE (WALES) LTD.

### Enquiry address

Land At Dragon Parc, Abercanaid  
Merthyr Tydfil  
Merthyr Tydfil

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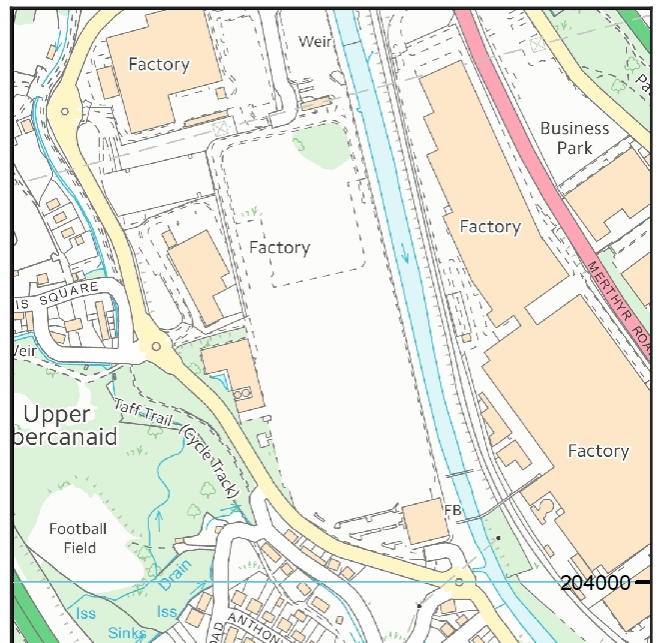
[www.groundstability.com](http://www.groundstability.com)

 @coalauthority

 /company/the-coal-authority

 /thecoalauthority

 /thecoalauthority



Approximate position of property



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# Section 1 – Mining activity and geology

## Past underground mining

| Colliery | Seam                  | Mineral | Coal Authority reference | Depth (m) | Direction to working | Dipping rate of seam worked (degrees) | Dipped direction of seam worked | Extraction thickness (cm) | Year last mined |
|----------|-----------------------|---------|--------------------------|-----------|----------------------|---------------------------------------|---------------------------------|---------------------------|-----------------|
| unnamed  | FOUR FOOT             | Coal    | 49AG                     | 10        | Beneath Property     | 7.2                                   | South                           | 168                       | 1950            |
| unnamed  | UPPER 6FT RIDER       | Coal    | 4WJT                     | 18        | South                | 6.5                                   | South                           | 170                       | 1875            |
| unnamed  | FOUR FOOT             | Coal    | 4WIG                     | 23        | South                | 5.5                                   | South                           | 210                       | 1900            |
| unnamed  | LOWER NINE FOOT       | Coal    | 49AZ                     | 64        | Beneath Property     | 8.9                                   | South                           | 259                       | 1885            |
| unnamed  | LOWER 7FT BOTTOM LEAF | Coal    | 4E2A                     | 76        | Beneath Property     | 8.6                                   | South-East                      | 117                       | 1887            |
| unnamed  | LOWER NINE FOOT       | Coal    | 4WJK                     | 81        | South                | 3.3                                   | South-East                      | 145                       | 1932            |
| unnamed  | LOWER 7FT BOTTOM LEAF | Coal    | 4WK0                     | 114       | South-West           | 4.3                                   | South-East                      | 117                       | 1899            |

## Probable unrecorded shallow workings

Yes.

## Spine roadways at shallow depth

| Distance to spine roadway (m) | Direction to spine roadway |
|-------------------------------|----------------------------|
| Within                        | N/A                        |
| Within                        | N/A                        |
| Within                        | N/A                        |

## Mine entries

| Entry type | Reference  | Grid reference | Treatment description                                                                                                                                  | Mineral | Conveyancing details |
|------------|------------|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|---------|----------------------|
| Shaft      | 305203-004 | 305531 203932  | This shaft is filled with hardcore. The shaft was topped up with hardcore and mounded in October 2009 by contactors acting on behalf of the Authority. | Coal    |                      |
| Adit       | 305204-028 | 305210 204204  |                                                                                                                                                        | Coal    |                      |
| Shaft      | 305204-029 | 305298 204089  |                                                                                                                                                        | Coal    |                      |
| Shaft      | 305204-030 | 305420 204053  | Information provided to the Coal Authority by British Coal indicates th is shaft is filled                                                             | Coal    |                      |
| Shaft      | 305204-031 | 305409 204288  | This shaft was grouted and capped in 1977.                                                                                                             | Coal    |                      |
| Shaft      | 305204-036 | 305409 204083  | This shaft was filled grouted and capped in 1975.                                                                                                      | Coal    |                      |
| Shaft      | 305204-037 | 305398 204093  | This shaft was filled grouted and capped in 1975.                                                                                                      | Coal    |                      |
| Shaft      | 305204-038 | 305409 204091  | This shaft was filled grouted and capped in 1975.                                                                                                      | Coal    |                      |
| Adit       | 305204-060 | 305393 204114  | Uncovered during road improvements we understand this adit was treated by K Wardell and Partners Consultant Mining Engineers.                          | Coal    |                      |
| Shaft      | 305204-071 | 305244 204268  |                                                                                                                                                        | Coal    |                      |
| Adit       | 305204-073 | 305226 204214  |                                                                                                                                                        | Coal    |                      |
| Shaft      | 305204-107 | 305382 204074  |                                                                                                                                                        | Coal    |                      |

## Abandoned mine plan catalogue numbers

The following abandoned mine plan catalogue numbers intersect with some, or all, of the enquiry boundary:

|         |         |         |
|---------|---------|---------|
| SWR1978 | SWR3141 | SW478   |
| SWR1880 | SWR3146 | SWR3622 |
| SW3612  | SWR1876 | SWR3601 |

Our records show we have more plans than those shown above which could affect the enquiry boundary.

**Please contact us on 0345 762 6848** to determine the exact abandoned mine plans you require based on your needs.

## Outcrops

| Seam name                | Mineral | Seam workable | Distance to outcrop (m) | Direction to outcrop | Bearing of outcrop |
|--------------------------|---------|---------------|-------------------------|----------------------|--------------------|
| 6FT BOTTOM LEAF          | Coal    | Yes           | Within                  | N/A                  | 273                |
| BUTE                     | Coal    | Yes           | Within                  | N/A                  | 91                 |
| LOWER 9FT AND BUTE       | Coal    | Yes           | Within                  | N/A                  | 272                |
| LOWER NINE FOOT TOP LEAF | Coal    | Yes           | Within                  | N/A                  | 272                |
| RED VEIN                 | Coal    | Yes           | Within                  | N/A                  | 272                |
| TWO FOOT NINE            | Coal    | Yes           | Within                  | N/A                  | 99                 |
| UPPER 6FT RIDER          | Coal    | Yes           | Within                  | N/A                  | 100                |
| UPPER 6FT RIDER          | Coal    | Yes           | Within                  | N/A                  | 284                |
| UPPER FOUR FOOT          | Coal    | Yes           | Within                  | N/A                  | 104                |

## Geological faults, fissures and breaklines

Please refer to the 'Summary of findings' map (on separate sheet) for details of any geological faults, fissures or breaklines either within or intersecting the enquiry boundary.

Faults under or close to the property recorded.

## Opencast mines

None recorded within 500 metres of the enquiry boundary.

## Coal Authority managed tips

None recorded within 500 metres of the enquiry boundary.

## Section 2 – Investigative or remedial activity

Please refer to the 'Summary of findings' map (on separate sheet) for details of any activity within the area of the site boundary.

### Site investigations

| Distance to site investigation (m) | Direction  |
|------------------------------------|------------|
| 2.4                                | North      |
| 16.1                               | South-West |

See Section 4 for further information.

### Remediated sites

None recorded within 50 metres of the enquiry boundary.

### Coal mining subsidence

The Coal Authority has not received a damage notice or claim for the subject property, or any property within 50 metres of the enquiry boundary, since 31 October 1994.

There is no current Stop Notice delaying the start of remedial works or repairs to the property.

The Coal Authority is not aware of any request having been made to carry out preventive works before coal is worked under section 33 of the Coal Mining Subsidence Act 1991.

### Mine gas

None recorded within 500 metres of the enquiry boundary.

### Mine water treatment schemes

None recorded within 500 metres of the enquiry boundary.

## Section 3 – Licensing and future mining activity

### Future underground mining

None recorded.

### Coal mining licensing

None recorded within 200 metres of the enquiry boundary.

### Court orders

None recorded.

### Section 46 notices

No notices have been given, under section 46 of the Coal Mining Subsidence Act 1991, stating that the land is at risk of subsidence.

### Withdrawal of support notices

The property is not in an area where a notice to withdraw support has been given.

The property is not in an area where a notice has been given under section 41 of the Coal Industry Act 1994, cancelling the entitlement to withdraw support.

### Payments to owners of former copyhold land

The property is not in an area where a relevant notice has been published under the Coal Industry Act 1975/Coal Industry Act 1994.

## Section 4 – Further information

The following potential risks have been identified and as part of your risk assessment should be investigated further.

### Future development

If development proposals are being considered, technical advice relating to both the investigation of coal and former coal mines and their treatment should be obtained before beginning work on site. All proposals should apply specialist engineering practice required for former mining areas. No development should be undertaken that intersects, disturbs or interferes with any coal or coal mines without first obtaining the permission of the Coal Authority.

**MINE GAS:** Please note, if there are no recorded instances of mine gas within 500m of the enquiry boundary, this does not mean that mine gas is not present within the vicinity. The Coal Authority Mine Gas data is limited to only those sites where a Mine Gas incident has been recorded. Developers should be aware that the investigation of coal seams, mine workings or mine entries may have the potential to generate and/or displace underground gases. Associated risks both to the development site and any neighbouring land or properties should be fully considered when undertaking any ground works. The need for effective measures to prevent gases migrating onto any land or into any properties, either during investigation or remediation work, or after development must also be assessed and properly addressed. In these instances, the Coal Authority recommends that a more detailed Gas Risk Assessment is undertaken by a competent assessor.

### Development advice

The site is within an area of historical coal mining activity. Should you require advice and/or support on understanding the mining legacy, its risks to your development or what next steps you need to take, please contact us.

### Site investigations

The site is within an area of previous interest. It is close to where the Coal Authority has received information relating to past site investigations.

The site requires further investigation and may influence how you approach your risk assessment.

**For further information on specific site or ground investigations in relation to any issues raised in Section 4, please call us on 0345 762 6848 or email us at [groundstability@coal.gov.uk](mailto:groundstability@coal.gov.uk).**

## Section 5 – Data definitions

The datasets used in this report have limitations and assumptions within their results. For more guidance on the data and the results specific to the enquiry boundary, please **call us on 0345 762 6848** or **email us at [groundstability@coal.gov.uk](mailto:groundstability@coal.gov.uk)**.

### Past underground coal mining

Details of all recorded underground mining relative to the enquiry boundary. Only past underground workings where the enquiry boundary is within 0.7 times the depth of the workings (zone of likely physical influence) allowing for seam inclination, will be included.

### Probable unrecorded shallow workings

Areas where the Coal Authority believes there to be unrecorded coal workings that exist at or close to the surface (less than 30 metres deep).

### Spine roadways at shallow depth

Connecting roadways either, working to working, or, surface to working, both in-seam and cross measures that exist at or close to the surface (less than 30 metres deep), either within or within 10 metres of the enquiry boundary.

### Mine entries

Details of any shaft or adit either within, or within 100 metres of the enquiry boundary including approximate location, brief treatment details where known, the mineral worked from the mine entry and conveyance details where the mine entry has previously been sold by the Authority or its predecessors British Coal or the National Coal Board.

### Abandoned mine plan catalogue numbers

Plan numbers extracted from the abandoned mines catalogue containing details of coal and other mineral abandonment plans deposited via the Mines Inspectorate in accordance with the Coal Mines Regulation Act and Metalliferous Mines Regulation Act 1872. A maximum of 9 plan extents that intersect with the enquiry boundary will be included. This does not infer that the workings and/or mine entries shown on the abandonment plan will be relevant to the site/property boundary.

### Outcrops

Details of seam outcrops will be included where the enquiry boundary intersects with a conjectured or actual seam outcrop location (derived by either the British Geological Survey or the Coal Authority) or intersects with a defined 50 metres buffer on the coal (dip) side of the outcrop. An indication of whether the Coal Authority believes the seam to be of sufficient thickness and/or quality to have been worked will also be included.

### Geological faults, fissures and breaklines

Geological disturbances or fractures in the bedrock. Surface fault lines (British Geological Survey derived data) and fissures and breaklines (Coal Authority derived data) intersecting with the enquiry boundary will be included. In some circumstances faults, fissures or breaklines have been known to contribute to surface subsidence damage as a consequence of underground coal mining.



### **Opencast mines**

Opencast coal sites from which coal has been removed in the past by opencast (surface) methods and where the enquiry boundary is within 500 metres of either the licence area, site boundary, excavation area (high wall) or coaling area.

### **Coal Authority managed tips**

Locations of disused colliery tip sites owned and managed by the Coal Authority, located within 500 metres of the enquiry boundary.

### **Site investigations**

Details of site investigations within 50 metres of the enquiry boundary where the Coal Authority has received information relating to coal mining risk investigation and/or remediation by third parties.

### **Remediated sites**

Sites where the Coal Authority has undertaken remedial works either within or within 50 metres of the enquiry boundary following report of a hazard relating to coal mining under the Coal Authority's Emergency Surface Hazard Call Out procedures.

### **Coal mining subsidence**

Details of alleged coal mining subsidence claims made since 31 October 1994 either within or within 50 metres of the enquiry boundary. Where the claim relates to the enquiry boundary confirmation of whether the claim was accepted, rejected or whether liability is still being determined will be given. Where the claim has been discharged, whether this was by repair, payment of compensation or a combination of both, the value of the claim, where known, will also be given.

Details of any current 'Stop Notice' deferring remedial works or repairs affecting the property/site, and if so the date of the notice.

Details of any request made to execute preventative works before coal is worked under section 33 of the Coal Mining Subsidence Act 1991. If yes, whether any person withheld consent or failed to comply with any request to execute preventative works.

### **Mine gas**

Reports of alleged mine gas emissions received by the Coal Authority, either within or within 500 metres of the enquiry boundary that subsequently required investigation and action by the Coal Authority to mitigate the effects of the mine gas emission. Please note, if there are no recorded instances of mine gas reported, this does not mean that mine gas is not present within the vicinity. The Coal Authority Mine Gas data is limited to only those sites where a Mine Gas incident has been recorded.

### **Mine water treatment schemes**

Locations where the Coal Authority has constructed or operates assets that remove pollutants from mine water prior to the treated mine water being discharged into the receiving water body.

These schemes are part of the UK's strategy to meet the requirements of the Water Framework Directive. Schemes fall into 2 basic categories: Remedial – mitigating the impact of existing pollution or Preventative – preventing a future pollution incident.

Mine water treatment schemes generally consist of one or more primary settlement lagoons and one or more reed beds for secondary treatment. A small number are more specialised process treatment plants.

### **Future underground mining**

Details of all planned underground mining relative to the enquiry boundary. Only those future workings where the enquiry boundary is within 0.7 times the depth of the workings (zone of likely physical influence) allowing for seam inclination will be included.

### **Coal mining licensing**

Details of all licenses issued by the Coal Authority either within or within 200 metres of the enquiry boundary in relation to the under taking of surface coal mining, underground coal mining or underground coal gasification.

### **Court orders**

Orders in respect of the working of coal under the Mines (Working Facilities and Support) Acts of 1923 and 1966 or any statutory modification or amendment thereof.

### **Section 46 notices**

Notice of proposals relating to underground coal mining operations that have been given under section 46 of the Coal Mining Subsidence Act 1991.

### **Withdrawal of support notices**

Published notices of entitlement to withdraw support and the date of the notice. Details of any revocation notice withdrawing the entitlement to withdraw support given under Section 41 of the Coal Industry Act 1994.

### **Payment to owners of former copyhold land**

Relevant notices which may affect the property and any subsequent notice of retained interests in coal and coal mines, acceptance or rejection notices and whether any compensation has been paid to a claimant.



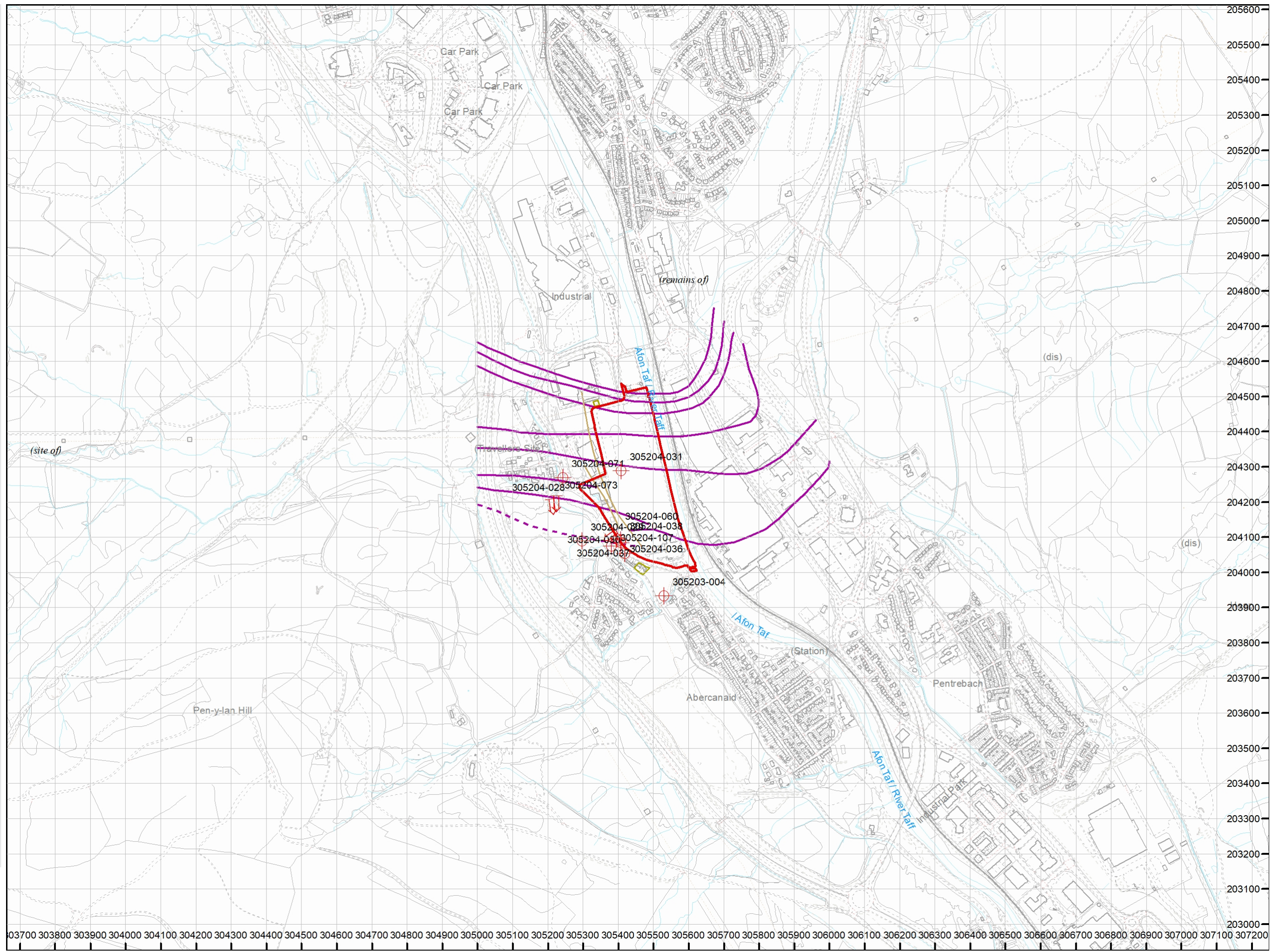
The map highlights any specific surface or subsurface features within or near to the boundary of the site.

### Key

- Approximate position of the enquiry boundary shown 
- Disused mine shaft 
- Disused adit 
- Outcrop (Proven) 
- Outcrop (Conjectured) 
- Geological faults 
- Site investigations 

### How to contact us

0345 762 6848 (UK)  
+44 (0)1623 637 000 (International)  
[www.groundstability.com](http://www.groundstability.com)



## **APPENDIX B**

### **MINE ABANDONMENT PLAN EXTRACTS**









Appendix B: Extract of Georeferenced Ab Plan 4357 Sheet 7 of 7 (Nine Feet Seam)

Project: Land at Dragon Parc, Abercanaid, Merthyr Tydfil

Job No.: 12888

Client: Davies Homes

Scale: 1:1,500 at A3

**Intégral**  
Géotechnique

Integral House,  
7 Beddau Way,  
Castlegate Business Park,  
Caerphilly,  
CF83 2AX.  
Tel: 029 2080 7991





|                                                                                     |                      |                                                                                                                                                                             |
|-------------------------------------------------------------------------------------|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Appendix B: Extract of Georeferenced Ab Plan SWR1882 Sheet 2 of 3 (Seven Feet Seam) |                      |                                                                                                                                                                             |
| Project: Land at Dragon Parc, Abercanaid, Merthyr Tydfil                            | Job No.: 12888       | <div>Intégral</div> <div>Géotechnique</div> <div>Integral House,<br/>7 Beddau Way,<br/>Castlegate Business Park,<br/>Caerphilly,<br/>CF83 2AX.<br/>Tel: 029 2080 7991</div> |
| Client: Davies Homes                                                                | Scale: 1:1,500 at A3 |                                                                                                                                                                             |



## **APPENDIX C**

### **MINE ENTRY PLAN AND DATA SHEETS REPORT**



# Summary of findings

The map highlights any specific surface or subsurface features within or near to the boundary of the site.

**Legend**

**TYPE**



Adit



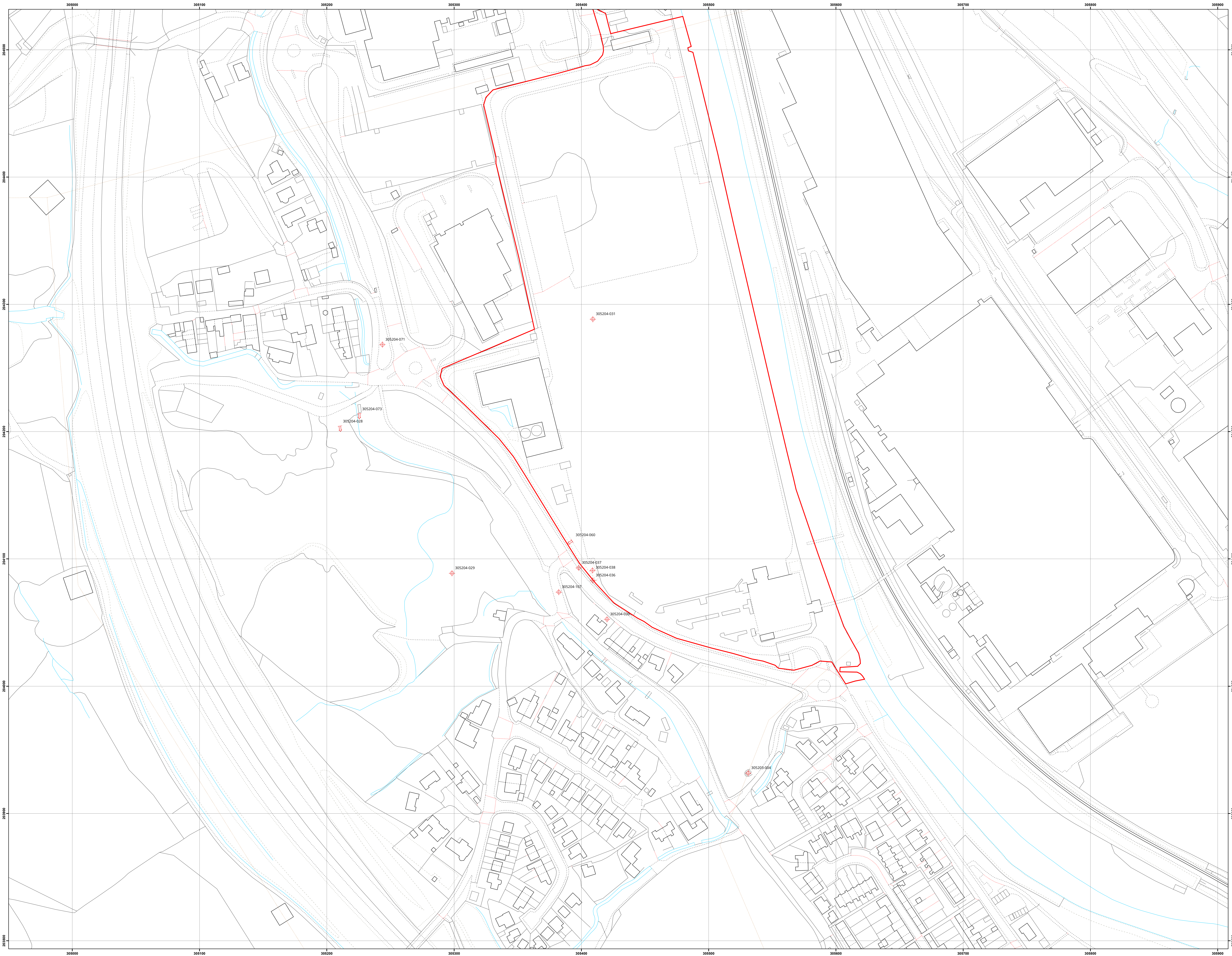
Gutter Pit



Shaft



51003338915001 Enquiry Boundary



[How to contact us](#)



### ***Mine Entry Data***

|                                    |                                                                                                                                                   |
|------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| Shaft/adit:                        | Shaft                                                                                                                                             |
| Reference:                         | 305204-038                                                                                                                                        |
| Source:                            | 1/2500 O.S Sheet 1870 1920 Ed Ab plans 4357 SW478 SW479<br>SWR2059 SWR1879 SWR1882 SWR1880 SWR1881<br>Geological Sheet Other: 49M 55A 60Q 62C (Y) |
| Colliery name:                     | Unknown                                                                                                                                           |
| Entry name:                        | Upper Abercanaid No.1 (East)                                                                                                                      |
| Date abandoned:                    | Unknown                                                                                                                                           |
| Depth of superficial deposits (m): | Unknown                                                                                                                                           |
| Depth of shaft (m):                | Unknown                                                                                                                                           |
| Diameter of shaft (m):             | Unknown                                                                                                                                           |
| Probable adit azimuth:             | Not Applicable                                                                                                                                    |
| Treatment details:                 | This shaft was filled grouted and capped in 1975.                                                                                                 |
| Conveyance:                        | Not Applicable                                                                                                                                    |
| Easting:                           | 305409                                                                                                                                            |
| Northing:                          | 204091                                                                                                                                            |
| Other information:                 | None                                                                                                                                              |

### **Mine Entry Data (continued)**

|                                    |                                                                                                                                               |
|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Shaft/adit:                        | Shaft                                                                                                                                         |
| Reference:                         | 305204-031                                                                                                                                    |
| Source:                            | 1/2500 O.S Sheet 1870 1920 Ed Ab plans 3596 3595 3653<br>4357 SW479 SWR2059 SWR1879 SWR1882 SWR1880<br>Geological Sheet Other: 55A 60Q 62C(Y) |
| Colliery name:                     | Unknown                                                                                                                                       |
| Entry name:                        | Willows Shaft                                                                                                                                 |
| Date abandoned:                    | Unknown                                                                                                                                       |
| Depth of superficial deposits (m): | Unknown                                                                                                                                       |
| Depth of shaft (m):                | Unknown                                                                                                                                       |
| Diameter of shaft (m):             | Unknown                                                                                                                                       |
| Probable adit azimuth:             | Not Applicable                                                                                                                                |
| Treatment details:                 | This shaft was grouted and capped in 1977.                                                                                                    |
| Conveyance:                        | Not Applicable                                                                                                                                |
| Easting:                           | 305409                                                                                                                                        |
| Northing:                          | 204288                                                                                                                                        |
| Other information:                 | None                                                                                                                                          |

### ***Mine Entry Data***

|                                    |                                                                                                                                             |
|------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| Shaft/adit:                        | Shaft                                                                                                                                       |
| Reference:                         | 305204-036                                                                                                                                  |
| Source:                            | 1/2500 O.S Sheet 1920 Ed Ab plans 4357 SW478 SW479<br>SWR2059 SWR1879 WR1882 SWR1880 SWR1881<br>Geological Sheet Other: 49M 55A 60Q 62C (Y) |
| Colliery name:                     | Unknown                                                                                                                                     |
| Entry name:                        | Upper Abercanaid South                                                                                                                      |
| Date abandoned:                    | Unknown                                                                                                                                     |
| Depth of superficial deposits (m): | Unknown                                                                                                                                     |
| Depth of shaft (m):                | Unknown                                                                                                                                     |
| Diameter of shaft (m):             | Unknown                                                                                                                                     |
| Probable adit azimuth:             | Not Applicable                                                                                                                              |
| Treatment details:                 | This shaft was filled grouted and capped in 1975.                                                                                           |
| Conveyance:                        | Not Applicable                                                                                                                              |
| Easting:                           | 305409                                                                                                                                      |
| Northing:                          | 204083                                                                                                                                      |
| Other information:                 | None                                                                                                                                        |

**Mine Entry Data (continued)**

|                                    |                                                                                                                               |
|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Shaft/adit:                        | Adit                                                                                                                          |
| Reference:                         | 305204-060                                                                                                                    |
| Source:                            | Other: 46E 50A(Y)                                                                                                             |
| Colliery name:                     | Unknown                                                                                                                       |
| Entry name:                        | No.2 Level                                                                                                                    |
| Date abandoned:                    | Unknown                                                                                                                       |
| Depth of superficial deposits (m): | Unknown                                                                                                                       |
| Depth of shaft (m):                | Unknown                                                                                                                       |
| Diameter of shaft (m):             | Unknown                                                                                                                       |
| Probable adit azimuth:             | 235                                                                                                                           |
| Treatment details:                 | Uncovered during road improvements we understand this adit was treated by K Wardell and Partners Consultant Mining Engineers. |
| Conveyance:                        | Not Applicable                                                                                                                |
| Easting:                           | 305393                                                                                                                        |
| Northing:                          | 204114                                                                                                                        |
| Other information:                 | None                                                                                                                          |



### **Mine Entry Data (continued)**

|                                    |                                                                                                                                                          |
|------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Shaft/adit:                        | Shaft                                                                                                                                                    |
| Reference:                         | 305204-037                                                                                                                                               |
| Source:                            | 1/2500 O.S Sheet 1870 1920 Ed Ab plans 3596 3595 3653<br>4357 SW478 SW479 SWR2059 SWR1879 SWR1882<br>SWR1880 Geological Sheet Other: 49M 55A 60Q 62C (Y) |
| Colliery name:                     | Unknown                                                                                                                                                  |
| Entry name:                        | Upper Abercanaid No.2 (West)                                                                                                                             |
| Date abandoned:                    | Unknown                                                                                                                                                  |
| Depth of superficial deposits (m): | Unknown                                                                                                                                                  |
| Depth of shaft (m):                | Unknown                                                                                                                                                  |
| Diameter of shaft (m):             | Unknown                                                                                                                                                  |
| Probable adit azimuth:             | Not Applicable                                                                                                                                           |
| Treatment details:                 | This shaft was filled grouted and capped in 1975.                                                                                                        |
| Conveyance:                        | Not Applicable                                                                                                                                           |
| Easting:                           | 305398                                                                                                                                                   |
| Northing:                          | 204093                                                                                                                                                   |
| Other information:                 | None                                                                                                                                                     |

## **APPENDIX D**

### **ROTARY PROBEHOLE LOGS**

|                                                                                                                                                                                                                                       |  |                                         |  |                                            |  |                                             |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------|--|--------------------------------------------|--|---------------------------------------------|--|
|  Intégral House, 7 Beddau Way<br>Castlegate Business Park<br>Caerphilly CF83 2AX<br>Tel. 029 20807991<br>Fax. 029 20862176<br>mail@integralgeotec.com |  | Project Name:<br><b>Dragon Parc</b>     |  | Project No.:<br><b>12392</b>               |  | Borehole No.:<br><b>PH1</b><br>Sheet 1 of 1 |  |
| Location:<br><b>Merthyr Tydfil</b>                                                                                                                                                                                                    |  | Client: <b>Huntley Wood Investments</b> |  | Coordinates:<br>305481.00mE<br>204058.00mN |  | Hole Type:<br><b>RO</b>                     |  |
| Equipment: <b>Klemm 802</b>                                                                                                                                                                                                           |  | Diameter of Casing: <b>150mm</b>        |  | Level: <b>153.00mAOD</b>                   |  | Scale<br><b>1:200</b>                       |  |
| Diameter of Boring: <b>142mm</b>                                                                                                                                                                                                      |  | Depth of Casing: <b>10.00m</b>          |  | Dates<br>25/03/2019 - 26/03/2019           |  | Logged By:<br><b>DT</b>                     |  |

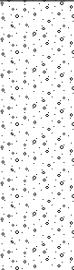
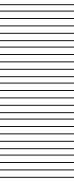
| Well                                                                               | Water Strikes | Rotary Coring |     |     |     |    | Depth (m) | Level (m AOD) | N Value | Legend | Stratum Description                                   |                            |
|------------------------------------------------------------------------------------|---------------|---------------|-----|-----|-----|----|-----------|---------------|---------|--------|-------------------------------------------------------|----------------------------|
|                                                                                    |               | Depth (m)     | TCR | SCR | RQD | FI |           |               |         |        |                                                       |                            |
|  |               |               |     |     |     |    |           |               |         |        | MADE GROUND (Driller's Description)                   | 1                          |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                                       | 2                          |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                                       | 3                          |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                                       | 4                          |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                                       | 5                          |
|                                                                                    |               |               |     |     |     |    | 5.60      | 147.40        |         |        | TILL (Driller's Description)                          | 6                          |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                                       | 7                          |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                                       | 8                          |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                                       | 9                          |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                                       | 10                         |
|                                                                                    |               |               |     |     |     |    | 10.20     | 142.80        |         |        | SANDSTONE (Driller's Description)                     | 11                         |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                                       | 12                         |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                                       | 13                         |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                                       | 14                         |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                                       | 15                         |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                                       | 16                         |
|                                                                                    |               |               |     |     |     |    | 17.00     | 136.00        |         |        | COAL (Driller's Description)                          | 17                         |
|                                                                                    |               |               |     |     |     |    | 18.40     | 134.60        |         |        | SANDSTONE with mudstone bands (Driller's Description) | 18                         |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                                       | 19                         |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                                       | 20                         |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                                       | 21                         |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                                       | 22                         |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                                       | 23                         |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                                       | 24                         |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                                       | 25                         |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                                       | 26                         |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                                       | 27                         |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                                       | 28                         |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                                       | 29                         |
|                                                                                    |               |               |     |     |     |    | 30.00     | 123.00        |         |        |                                                       | End of Borehole at 30.00 m |
|                                                                                    |               |               |     |     |     |    |           |               |         |        | 31                                                    |                            |
|                                                                                    |               |               |     |     |     |    |           |               |         |        | 32                                                    |                            |
|                                                                                    |               |               |     |     |     |    |           |               |         |        | 33                                                    |                            |
|                                                                                    |               |               |     |     |     |    |           |               |         |        | 34                                                    |                            |
|                                                                                    |               |               |     |     |     |    |           |               |         |        | 35                                                    |                            |
|                                                                                    |               |               |     |     |     |    |           |               |         |        | 36                                                    |                            |
|                                                                                    |               |               |     |     |     |    |           |               |         |        | 37                                                    |                            |
|                                                                                    |               |               |     |     |     |    |           |               |         |        | 38                                                    |                            |
|                                                                                    |               |               |     |     |     |    |           |               |         |        | 39                                                    |                            |
|                                                                                    |               |               |     |     |     |    |           |               |         |        | 40                                                    |                            |

|                                                                                                                               |  |                                                                                                                                                                                                           |  |                                                                                                                                        |  |                                                                                       |
|-------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|
| <b>Remarks:</b><br>1. Rotary open probehole from GL to 30.0m<br>2. Probehole noted as wet<br>3. Gas monitoring well installed |  | <b>Key:</b><br>D - Small disturbed sample<br>B - Bulk disturbed sample<br>ES - Environmental soil sample<br>SPT - Standard Penetration Test (split spoon)<br>CPT - Standard Penetration Test (solid cone) |  | W - Water sample<br>U - Undisturbed sample<br>TCR - Total Core Recovery<br>SCR - Solid Core Recovery<br>RQD - Rock Quality Designation |  |  |
|-------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|

|                                                                                  |  |                                                                                                                                                      |  |                                         |  |  |  |                                            |  |                                             |  |
|----------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------|--|--|--|--------------------------------------------|--|---------------------------------------------|--|
|  |  | Integral House, 7 Beddau Way<br>Castlegate Business Park<br>Caerphilly CF83 2AX<br>Tel. 029 20807991<br>Fax. 029 20862176<br>mail@integralgeotec.com |  | Project Name:<br><b>Dragon Parc</b>     |  |  |  | Project No.:<br><b>12392</b>               |  | Borehole No.:<br><b>PH2</b><br>Sheet 1 of 1 |  |
| Location:<br><b>Merthyr Tydfil</b>                                               |  |                                                                                                                                                      |  | Client: <b>Huntley Wood Investments</b> |  |  |  | Coordinates:<br>305534.00mE<br>204125.00mN |  | Hole Type:<br>RO                            |  |
| Equipment: <b>Klemm 802</b>                                                      |  |                                                                                                                                                      |  | Diameter of Casing: <b>150mm</b>        |  |  |  | Level: <b>155.00m AOD</b>                  |  | Scale<br>1:200                              |  |
| Diameter of Boring: <b>142mm</b>                                                 |  |                                                                                                                                                      |  | Depth of Casing: <b>18.00m</b>          |  |  |  | Dates<br>25/03/2019 - 25/03/2019           |  | Logged By:<br>DT                            |  |

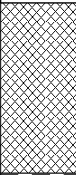
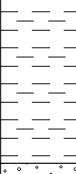
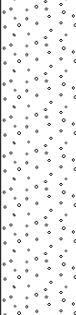
| Well                                                                               | Water Strikes | Rotary Coring |     |     |     |       | Depth (m) | Level (m AOD) | N Value | Legend                     | Stratum Description                                                                 |                                                        |    |
|------------------------------------------------------------------------------------|---------------|---------------|-----|-----|-----|-------|-----------|---------------|---------|----------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------|----|
|                                                                                    |               | Depth (m)     | TCR | SCR | RQD | FI    |           |               |         |                            |                                                                                     |                                                        |    |
|  |               |               |     |     |     |       |           |               |         |                            | FILL (Driller's Description)                                                        | 1                                                      |    |
|                                                                                    |               |               |     |     |     |       |           |               |         |                            |                                                                                     | 2                                                      |    |
|                                                                                    |               |               |     |     |     |       |           |               |         |                            |                                                                                     |                                                        | 3  |
|                                                                                    |               |               |     |     |     |       |           |               |         |                            |                                                                                     |                                                        | 4  |
|                                                                                    |               |               |     |     |     |       |           |               |         |                            |                                                                                     |                                                        | 5  |
|                                                                                    |               |               |     |     |     |       |           |               |         |                            |                                                                                     |                                                        | 6  |
|                                                                                    |               |               |     |     |     |       |           |               |         |                            |                                                                                     |                                                        | 7  |
|                                                                                    |               |               |     |     |     |       |           | 7.30          | 147.70  |                            |    | TILL (Driller's Description)                           | 8  |
|                                                                                    |               |               |     |     |     |       |           | 9.70          | 145.30  |                            |   | SAND and GRAVEL (wet)(Driller's Description)           | 9  |
|                                                                                    |               |               |     |     |     |       |           |               |         |                            |                                                                                     |                                                        | 11 |
|                                                                                    |               |               |     |     |     |       |           |               |         |                            |                                                                                     |                                                        | 12 |
|                                                                                    |               |               |     |     |     |       |           |               |         |                            |                                                                                     |                                                        | 13 |
|                                                                                    |               |               |     |     |     |       |           |               |         |                            |                                                                                     |                                                        | 14 |
|                                                                                    |               |               |     |     |     |       |           |               |         |                            |                                                                                     |                                                        | 15 |
|                                                                                    |               |               |     |     |     |       |           |               |         |                            |                                                                                     |                                                        | 16 |
|                                                                                    |               |               |     |     |     |       |           | 16.90         | 138.10  |                            |  | Weathered MUDSTONE (Broken) (Driller's Description)    | 17 |
|                                                                                    |               |               |     |     |     |       |           |               |         |                            |                                                                                     |                                                        | 18 |
|                                                                                    |               |               |     |     |     |       |           |               |         |                            |                                                                                     |                                                        | 19 |
|                                                                                    |               |               |     |     |     |       |           |               |         |                            |                                                                                     |                                                        | 20 |
|                                                                                    |               |               |     |     |     |       |           |               |         |                            |                                                                                     |                                                        | 21 |
|                                                                                    |               |               |     |     |     |       |           | 21.80         | 133.20  |                            |  | COAL (Driller's Description)                           | 22 |
|                                                                                    |               |               |     |     |     |       |           | 22.50         | 132.50  |                            |  | MUDSTONE (Driller's Description)                       | 23 |
|                                                                                    |               |               |     |     |     |       |           | 23.00         | 132.00  |                            |  | Dark MUDSTONE with coal traces (Driller's Description) | 24 |
|                                                                                    |               |               |     |     |     |       |           | 24.00         | 131.00  |                            |  | MUDSTONE with sandstone bands (Driller's Description)  | 25 |
|                                                                                    |               |               |     |     |     |       |           |               |         |                            | 26                                                                                  |                                                        |    |
|                                                                                    |               |               |     |     |     |       |           |               |         |                            | 27                                                                                  |                                                        |    |
|                                                                                    |               |               |     |     |     |       |           |               |         |                            | 28                                                                                  |                                                        |    |
|                                                                                    |               |               |     |     |     |       |           |               |         |                            | 29                                                                                  |                                                        |    |
|                                                                                    |               |               |     |     |     | 30.00 | 125.00    |               |         | End of Borehole at 30.00 m | 30                                                                                  |                                                        |    |
|                                                                                    |               |               |     |     |     |       |           |               |         |                            | 31                                                                                  |                                                        |    |
|                                                                                    |               |               |     |     |     |       |           |               |         |                            | 32                                                                                  |                                                        |    |
|                                                                                    |               |               |     |     |     |       |           |               |         |                            | 33                                                                                  |                                                        |    |
|                                                                                    |               |               |     |     |     |       |           |               |         |                            | 34                                                                                  |                                                        |    |
|                                                                                    |               |               |     |     |     |       |           |               |         |                            | 35                                                                                  |                                                        |    |
|                                                                                    |               |               |     |     |     |       |           |               |         |                            | 36                                                                                  |                                                        |    |
|                                                                                    |               |               |     |     |     |       |           |               |         |                            | 37                                                                                  |                                                        |    |
|                                                                                    |               |               |     |     |     |       |           |               |         |                            | 38                                                                                  |                                                        |    |
|                                                                                    |               |               |     |     |     |       |           |               |         |                            | 39                                                                                  |                                                        |    |
|                                                                                    |               |               |     |     |     |       |           |               |         |                            | 40                                                                                  |                                                        |    |

|                                                                                           |  |  |  |                                                                                                                                                                                                           |  |  |  |                                                                                                                                        |  |  |  |                                                                                       |  |
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| <b>Remarks:</b><br>1. Rotary open probehole from GL to 30.0m<br>2. Probehole noted as wet |  |  |  | <b>Key:</b><br>D - Small disturbed sample<br>B - Bulk disturbed sample<br>ES - Environmental soil sample<br>SPT - Standard Penetration Test (split spoon)<br>CPT - Standard Penetration Test (solid cone) |  |  |  | W - Water sample<br>U - Undisturbed sample<br>TCR - Total Core Recovery<br>SCR - Solid Core Recovery<br>RQD - Rock Quality Designation |  |  |  |  |  |
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|                                                                                  |  |                                                                                                                                                      |  |                                         |  |  |  |                                            |  |                                             |  |
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|  |  | Integral House, 7 Beddau Way<br>Castlegate Business Park<br>Caerphilly CF83 2AX<br>Tel. 029 20807991<br>Fax. 029 20862176<br>mail@integralgeotec.com |  | Project Name:<br><b>Dragon Parc</b>     |  |  |  | Project No.:<br><b>12392</b>               |  | Borehole No.:<br><b>PH3</b><br>Sheet 1 of 1 |  |
| Location:<br><b>Merthyr Tydfil</b>                                               |  |                                                                                                                                                      |  | Client: <b>Huntley Wood Investments</b> |  |  |  | Coordinates:<br>305492.00mE<br>204121.00mN |  | Hole Type:<br><b>RO</b>                     |  |
| Equipment: <b>Klemm 802</b>                                                      |  |                                                                                                                                                      |  | Diameter of Casing: <b>150mm</b>        |  |  |  | Level: <b>157.00mAOD</b>                   |  | Scale<br><b>1:200</b>                       |  |
| Diameter of Boring: <b>142mm</b>                                                 |  |                                                                                                                                                      |  | Depth of Casing: <b>30.00m</b>          |  |  |  | Dates<br>22/03/2019 - 25/03/2019           |  | Logged By:<br><b>ND</b>                     |  |

| Well | Water Strikes | Rotary Coring |     |     |     |    | Depth (m) | Level (m AOD) | N Value | Legend                                                                            | Stratum Description                                                                 |                                   |    |
|------|---------------|---------------|-----|-----|-----|----|-----------|---------------|---------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----------------------------------|----|
|      |               | Depth (m)     | TCR | SCR | RQD | FI |           |               |         |                                                                                   |                                                                                     |                                   |    |
|      |               |               |     |     |     |    | 4.50      | 152.50        |         |  | FILL (Driller's Description)                                                        | 1                                 |    |
|      |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 2                                 |    |
|      |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 3                                 |    |
|      |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 4                                 |    |
|      |               |               |     |     |     |    |           | 9.00          | 148.00  |                                                                                   |    | CLAY (Driller's Description)      | 5  |
|      |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 6                                 |    |
|      |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 7                                 |    |
|      |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 8                                 |    |
|      |               |               |     |     |     |    |           | 17.80         | 139.20  |                                                                                   |   | GRAVELS (Driller's Description)   | 9  |
|      |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 10                                |    |
|      |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 11                                |    |
|      |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 12                                |    |
|      |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 13                                |    |
|      |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 14                                |    |
|      |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 15                                |    |
|      |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 16                                |    |
|      |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 17                                |    |
|      |               |               |     |     |     |    |           | 19.70         | 137.30  |                                                                                   |  | MUDSTONE (Driller's Description)  | 18 |
|      |               |               |     |     |     |    |           | 21.10         | 135.90  |                                                                                   |  | COAL (Driller's Description)      | 20 |
|      |               |               |     |     |     |    |           |               |         |                                                                                   |  | MUDSTONE (Driller's Description)  | 21 |
|      |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 22                                |    |
|      |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 23                                |    |
|      |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 24                                |    |
|      |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 25                                |    |
|      |               |               |     |     |     |    |           | 26.40         | 130.60  |                                                                                   |  | SANDSTONE (Driller's Description) | 26 |
|      |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 27                                |    |
|      |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 28                                |    |
|      |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 29                                |    |
|      |               |               |     |     |     |    |           | 30.00         | 127.00  |                                                                                   |                                                                                     | End of Borehole at 30.00 m        | 30 |
|      |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 31                                |    |
|      |               |               |     |     |     |    |           |               |         | 32                                                                                |                                                                                     |                                   |    |
|      |               |               |     |     |     |    |           |               |         | 33                                                                                |                                                                                     |                                   |    |
|      |               |               |     |     |     |    |           |               |         | 34                                                                                |                                                                                     |                                   |    |
|      |               |               |     |     |     |    |           |               |         | 35                                                                                |                                                                                     |                                   |    |
|      |               |               |     |     |     |    |           |               |         | 36                                                                                |                                                                                     |                                   |    |
|      |               |               |     |     |     |    |           |               |         | 37                                                                                |                                                                                     |                                   |    |
|      |               |               |     |     |     |    |           |               |         | 38                                                                                |                                                                                     |                                   |    |
|      |               |               |     |     |     |    |           |               |         | 39                                                                                |                                                                                     |                                   |    |
|      |               |               |     |     |     |    |           |               |         | 40                                                                                |                                                                                     |                                   |    |

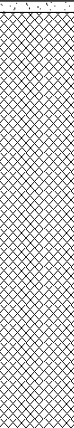
  

|                                                                                           |  |  |  |                                                                                                                                                                                                           |  |  |  |                                                                                                                                        |  |  |  |                                                                                       |  |
|-------------------------------------------------------------------------------------------|--|--|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|----------------------------------------------------------------------------------------------------------------------------------------|--|--|--|---------------------------------------------------------------------------------------|--|
| <b>Remarks:</b><br>1. Rotary open probehole from GL to 30.0m<br>2. Probehole noted as wet |  |  |  | <b>Key:</b><br>D - Small disturbed sample<br>B - Bulk disturbed sample<br>ES - Environmental soil sample<br>SPT - Standard Penetration Test (split spoon)<br>CPT - Standard Penetration Test (solid cone) |  |  |  | W - Water sample<br>U - Undisturbed sample<br>TCR - Total Core Recovery<br>SCR - Solid Core Recovery<br>RQD - Rock Quality Designation |  |  |  |  |  |
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|                                                                                  |  |                                                                                                                                                      |  |                                         |  |  |                                            |  |                                             |  |
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|  |  | Integral House, 7 Beddau Way<br>Castlegate Business Park<br>Caerphilly CF83 2AX<br>Tel. 029 20807991<br>Fax. 029 20862176<br>mail@integralgeotec.com |  | Project Name:<br><b>Dragon Parc</b>     |  |  | Project No.:<br><b>12392</b>               |  | Borehole No.:<br><b>PH4</b><br>Sheet 1 of 1 |  |
| Location:<br><b>Merthyr Tydfil</b>                                               |  |                                                                                                                                                      |  | Client: <b>Huntley Wood Investments</b> |  |  | Coordinates:<br>305411.00mE<br>204122.00mN |  | Hole Type:<br>RO                            |  |
| Equipment: <b>Klemm 802</b>                                                      |  |                                                                                                                                                      |  | Diameter of Casing: <b>150mm</b>        |  |  | Level: <b>157.00mAOD</b>                   |  | Scale<br>1:200                              |  |
| Diameter of Boring: <b>142mm</b>                                                 |  |                                                                                                                                                      |  | Depth of Casing: <b>12.00m</b>          |  |  | Dates<br>21/03/2019 - 21/03/2019           |  | Logged By:<br>ND                            |  |

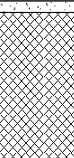
| Well                                                                               | Water Strikes | Rotary Coring |     |     |     |       | Depth (m) | Level (m AOD) | N Value                                                                           | Legend                                      | Stratum Description |  |  |  |                              |                                      |    |
|------------------------------------------------------------------------------------|---------------|---------------|-----|-----|-----|-------|-----------|---------------|-----------------------------------------------------------------------------------|---------------------------------------------|---------------------|--|--|--|------------------------------|--------------------------------------|----|
|                                                                                    |               | Depth (m)     | TCR | SCR | RQD | FI    |           |               |                                                                                   |                                             |                     |  |  |  |                              |                                      |    |
|  |               |               |     |     |     | 0.30  | 156.70    |               |  | TARMAC and CONCRETE (Driller's Description) | 1                   |  |  |  |                              |                                      |    |
|                                                                                    |               |               |     |     |     |       |           |               |                                                                                   |                                             |                     |  |  |  | FILL (Driller's Description) | 2                                    |    |
|                                                                                    |               |               |     |     |     |       |           |               |                                                                                   |                                             |                     |  |  |  |                              | 3                                    |    |
|                                                                                    |               |               |     |     |     |       |           |               |                                                                                   |                                             |                     |  |  |  |                              | 4                                    |    |
|                                                                                    |               |               |     |     |     |       |           |               |                                                                                   |                                             |                     |  |  |  |                              | 5                                    |    |
|                                                                                    |               |               |     |     |     |       |           |               |                                                                                   |                                             |                     |  |  |  |                              | 6                                    |    |
|                                                                                    |               |               |     |     |     |       |           |               |                                                                                   |                                             |                     |  |  |  |                              | 7                                    |    |
|                                                                                    |               |               |     |     |     |       |           |               |                                                                                   |                                             |                     |  |  |  |                              | 8                                    |    |
|                                                                                    |               |               |     |     |     |       |           |               |                                                                                   |                                             |                     |  |  |  |                              | 9                                    |    |
|                                                                                    |               |               |     |     |     |       |           |               |                                                                                   |                                             |                     |  |  |  |                              | 10                                   |    |
|                                                                                    |               |               |     |     |     |       |           |               |                                                                                   |                                             |                     |  |  |  |                              | 11                                   |    |
|                                                                                    |               |               |     |     |     | 11.50 | 145.50    |               |                                                                                   |                                             |                     |  |  |  |                              | MUDSTONE (Driller's Description)     | 12 |
|                                                                                    |               |               |     |     |     |       |           |               |                                                                                   |                                             |                     |  |  |  |                              | 13                                   |    |
|                                                                                    |               |               |     |     |     |       |           |               |                                                                                   |                                             |                     |  |  |  |                              | 14                                   |    |
|                                                                                    |               |               |     |     |     |       |           |               |                                                                                   |                                             |                     |  |  |  |                              | 15                                   |    |
|                                                                                    |               |               |     |     |     |       |           |               |                                                                                   |                                             |                     |  |  |  |                              | 16                                   |    |
|                                                                                    |               |               |     |     |     |       |           |               |                                                                                   |                                             |                     |  |  |  |                              | 17                                   |    |
|                                                                                    |               |               |     |     |     | 17.50 | 139.50    |               |                                                                                   |                                             |                     |  |  |  |                              | OLD WORKINGS (Driller's Description) | 18 |
|                                                                                    |               |               |     |     |     | 19.10 | 137.90    |               |                                                                                   |                                             |                     |  |  |  |                              | MUDSTONE (Driller's Description)     | 19 |
|                                                                                    |               |               |     |     |     |       |           |               |                                                                                   |                                             |                     |  |  |  |                              | 20                                   |    |
|                                                                                    |               |               |     |     |     |       |           |               |                                                                                   |                                             |                     |  |  |  |                              | 21                                   |    |
|                                                                                    |               |               |     |     |     |       |           |               |                                                                                   |                                             |                     |  |  |  |                              | 22                                   |    |
|                                                                                    |               |               |     |     |     |       |           |               |                                                                                   |                                             |                     |  |  |  |                              | 23                                   |    |
|                                                                                    |               |               |     |     |     | 24.10 | 132.90    |               |                                                                                   |                                             |                     |  |  |  |                              | SANDSTONE (Driller's Description)    | 24 |
|                                                                                    |               |               |     |     |     |       |           |               |                                                                                   |                                             |                     |  |  |  |                              | 25                                   |    |
|                                                                                    |               |               |     |     |     |       |           |               |                                                                                   |                                             |                     |  |  |  |                              | 26                                   |    |
|                                                                                    |               |               |     |     |     |       |           |               |                                                                                   |                                             |                     |  |  |  |                              | 27                                   |    |
|                                                                                    |               |               |     |     |     |       |           |               |                                                                                   |                                             |                     |  |  |  |                              | 28                                   |    |
|                                                                                    |               |               |     |     |     |       |           |               |                                                                                   |                                             |                     |  |  |  |                              | 29                                   |    |
|                                                                                    |               |               |     |     |     | 30.00 | 127.00    |               |                                                                                   |                                             |                     |  |  |  |                              |                                      | 30 |
|                                                                                    |               |               |     |     |     |       |           | 31            |                                                                                   |                                             |                     |  |  |  |                              |                                      |    |
|                                                                                    |               |               |     |     |     |       |           | 32            |                                                                                   |                                             |                     |  |  |  |                              |                                      |    |
|                                                                                    |               |               |     |     |     |       |           | 33            |                                                                                   |                                             |                     |  |  |  |                              |                                      |    |
|                                                                                    |               |               |     |     |     |       |           | 34            |                                                                                   |                                             |                     |  |  |  |                              |                                      |    |
|                                                                                    |               |               |     |     |     |       |           | 35            |                                                                                   |                                             |                     |  |  |  |                              |                                      |    |
|                                                                                    |               |               |     |     |     |       |           | 36            |                                                                                   |                                             |                     |  |  |  |                              |                                      |    |
|                                                                                    |               |               |     |     |     |       |           | 37            |                                                                                   |                                             |                     |  |  |  |                              |                                      |    |
|                                                                                    |               |               |     |     |     |       |           | 38            |                                                                                   |                                             |                     |  |  |  |                              |                                      |    |
|                                                                                    |               |               |     |     |     |       |           | 39            |                                                                                   |                                             |                     |  |  |  |                              |                                      |    |
|                                                                                    |               |               |     |     |     |       |           | 40            |                                                                                   |                                             |                     |  |  |  |                              |                                      |    |

|                                                                                                  |  |  |  |                                                                                                                                                                                                           |  |  |  |                                                                                                                                        |  |  |  |                                                                                       |  |
|--------------------------------------------------------------------------------------------------|--|--|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|----------------------------------------------------------------------------------------------------------------------------------------|--|--|--|---------------------------------------------------------------------------------------|--|
| <b>Remarks:</b><br>1. Rotary open probehole from GL to 30.0m<br>2. Probehole noted as wet at 12m |  |  |  | <b>Key:</b><br>D - Small disturbed sample<br>B - Bulk disturbed sample<br>ES - Environmental soil sample<br>SPT - Standard Penetration Test (split spoon)<br>CPT - Standard Penetration Test (solid cone) |  |  |  | W - Water sample<br>U - Undisturbed sample<br>TCR - Total Core Recovery<br>SCR - Solid Core Recovery<br>RQD - Rock Quality Designation |  |  |  |  |  |
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|                                                                                  |  |                                                                                                                                                      |  |                                         |  |  |                                            |  |                                             |  |
|----------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------|--|--|--------------------------------------------|--|---------------------------------------------|--|
|  |  | Intégral House, 7 Beddau Way<br>Castlegate Business Park<br>Caerphilly CF83 2AX<br>Tel. 029 20807991<br>Fax. 029 20862176<br>mail@integralgeotec.com |  | Project Name:<br><b>Dragon Parc</b>     |  |  | Project No.:<br><b>12392</b>               |  | Borehole No.:<br><b>PH5</b><br>Sheet 1 of 1 |  |
| Location:<br><b>Merthyr Tydfil</b>                                               |  |                                                                                                                                                      |  | Client: <b>Huntley Wood Investments</b> |  |  | Coordinates:<br>305402.00mE<br>204157.00mN |  | Hole Type:<br><b>RO</b>                     |  |
| Equipment: <b>Klemm 802</b>                                                      |  |                                                                                                                                                      |  | Diameter of Casing: <b>150mm</b>        |  |  | Level: <b>158.00mAOD</b>                   |  | Scale<br><b>1:200</b>                       |  |
| Diameter of Boring: <b>142mm</b>                                                 |  |                                                                                                                                                      |  | Depth of Casing: <b>12.00m</b>          |  |  | Dates<br>22/03/2019 - 22/03/2019           |  | Logged By:<br><b>ND</b>                     |  |

| Well                                                                               | Water Strikes | Rotary Coring |     |     |     |    | Depth (m) | Level (m AOD) | N Value | Legend                                                                              | Stratum Description                             |    |
|------------------------------------------------------------------------------------|---------------|---------------|-----|-----|-----|----|-----------|---------------|---------|-------------------------------------------------------------------------------------|-------------------------------------------------|----|
|                                                                                    |               | Depth (m)     | TCR | SCR | RQD | FI |           |               |         |                                                                                     |                                                 |    |
|  |               |               |     |     |     |    | 0.30      | 157.70        |         |    | TARMAC and CONCRETE (Driller's Description)     | 1  |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                     | FILL (Driller's Description)                    | 2  |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                     |                                                 | 3  |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                     |                                                 | 4  |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                     |                                                 | 5  |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                     |                                                 | 6  |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                     |                                                 | 7  |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                     |                                                 | 8  |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                     |                                                 | 9  |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                     |                                                 |    |
|                                                                                    |               |               |     |     |     |    | 4.20      | 153.80        |         |    | CLAY (Driller's Description)                    | 11 |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                     | 12                                              |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                     | 13                                              |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                     | 14                                              |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                     | 15                                              |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                     | 16                                              |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                     | 17                                              |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                     | 18                                              |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                     | 19                                              |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                     | 20                                              |    |
|                                                                                    |               |               |     |     |     |    | 7.40      | 150.60        |         |    | GRAVELS (Driller's Description)                 | 21 |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                     |                                                 | 22 |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                     |                                                 | 23 |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                     |                                                 | 24 |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                     |                                                 | 25 |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                     |                                                 | 26 |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                     |                                                 | 27 |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                     |                                                 | 28 |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                     |                                                 | 29 |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                     |                                                 | 30 |
|                                                                                    |               |               |     |     |     |    | 11.60     | 146.40        |         |   | MUDSTONE (Driller's Description)                | 31 |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                     |                                                 | 32 |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                     |                                                 | 33 |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                     |                                                 | 34 |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                     |                                                 | 35 |
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|                                                                                    |               |               |     |     |     |    | 30.00     | 128.00        |         |                                                                                     | End of Borehole at 30.00 m                      | 81 |

|                                                                                                    |  |  |  |                                                                                                                                                                                                           |  |  |  |                                                                                                                                        |  |  |  |                                                                                       |  |
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| <b>Remarks:</b><br>1. Rotary open probehole from GL to 30.0m<br>2. Probehole noted as wet at 16.0m |  |  |  | <b>Key:</b><br>D - Small disturbed sample<br>B - Bulk disturbed sample<br>ES - Environmental soil sample<br>SPT - Standard Penetration Test (split spoon)<br>CPT - Standard Penetration Test (solid cone) |  |  |  | W - Water sample<br>U - Undisturbed sample<br>TCR - Total Core Recovery<br>SCR - Solid Core Recovery<br>RQD - Rock Quality Designation |  |  |  |  |  |
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|  |  | Integral House, 7 Beddau Way<br>Castlegate Business Park<br>Caerphilly CF83 2AX<br>Tel. 029 20807991<br>Fax. 029 20862176<br>mail@integralgeotec.com |  | Project Name:<br><b>Dragon Parc</b>     |  |  |  | Project No.:<br><b>12392</b>               |  | Borehole No.:<br><b>PH6</b><br>Sheet 1 of 1 |  |
| Location:<br><b>Merthyr Tydfil</b>                                               |  |                                                                                                                                                      |  | Client: <b>Huntley Wood Investments</b> |  |  |  | Coordinates:<br>305497.00mE<br>204204.00mN |  | Hole Type:<br>RO                            |  |
| Equipment: <b>Klemm 802</b>                                                      |  |                                                                                                                                                      |  | Diameter of Casing: <b>150mm</b>        |  |  |  | Level: <b>159.00mAOD</b>                   |  | Scale<br>1:200                              |  |
| Diameter of Boring: <b>142mm</b>                                                 |  |                                                                                                                                                      |  | Depth of Casing: <b>27.00m</b>          |  |  |  | Dates<br>02/04/2019 - 02/04/2019           |  | Logged By:<br>ND                            |  |

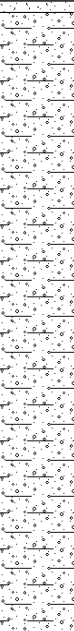
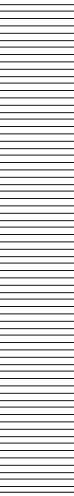
| Well                                                                               | Water Strikes | Rotary Coring |     |     |     |    | Depth (m) | Level (m AOD) | N Value | Legend | Stratum Description          |                                            |    |
|------------------------------------------------------------------------------------|---------------|---------------|-----|-----|-----|----|-----------|---------------|---------|--------|------------------------------|--------------------------------------------|----|
|                                                                                    |               | Depth (m)     | TCR | SCR | RQD | FI |           |               |         |        |                              |                                            |    |
|  |               |               |     |     |     |    |           |               |         |        | FILL (Driller's Description) | 1                                          |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                              | 2                                          |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                              | 3                                          |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                              | 4                                          |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                              | 5                                          |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                              | 6                                          |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                              | 7                                          |    |
|                                                                                    |               |               |     |     |     |    |           | 7.40          | 151.60  |        |                              | SILTY SANDY GRAVEL (Driller's Description) | 8  |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                              | 9                                          |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                              | 10                                         |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                              | 11                                         |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                              | 12                                         |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                              | 13                                         |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                              | 14                                         |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                              | 15                                         |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                              | 16                                         |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                              | 17                                         |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                              | 18                                         |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                              | 19                                         |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                              | 20                                         |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                              | 21                                         |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                              | 22                                         |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                              | 23                                         |    |
|                                                                                    |               |               |     |     |     |    |           | 23.40         | 135.60  |        |                              | MUDSTONE (Driller's Description)           | 24 |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                              | 25                                         |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                              | 26                                         |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                              | 27                                         |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                              | 28                                         |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                              | 29                                         |    |
|                                                                                    |               |               |     |     |     |    |           | 30.00         | 129.00  |        |                              |                                            | 30 |
| End of Borehole at 30.00 m                                                         |               |               |     |     |     |    |           |               |         |        | 31                           |                                            |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        | 32                           |                                            |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        | 33                           |                                            |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        | 34                           |                                            |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        | 35                           |                                            |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        | 36                           |                                            |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        | 37                           |                                            |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        | 38                           |                                            |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        | 39                           |                                            |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        | 40                           |                                            |    |

|                                                                                                                             |  |  |  |                                                                                                                                                                                                           |  |  |  |                                                                                                                                        |  |  |  |                                                                                       |
|-----------------------------------------------------------------------------------------------------------------------------|--|--|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|----------------------------------------------------------------------------------------------------------------------------------------|--|--|--|---------------------------------------------------------------------------------------|
| <b>Remarks:</b><br>1. Rotary open probehole from GL to 30.0m<br>2. Excessive water within the sands and gravels below 7.4m. |  |  |  | <b>Key:</b><br>D - Small disturbed sample<br>B - Bulk disturbed sample<br>ES - Environmental soil sample<br>SPT - Standard Penetration Test (split spoon)<br>CPT - Standard Penetration Test (solid cone) |  |  |  | W - Water sample<br>U - Undisturbed sample<br>TCR - Total Core Recovery<br>SCR - Solid Core Recovery<br>RQD - Rock Quality Designation |  |  |  |  |
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|  Integral House, 7 Beddau Way<br>Castlegate Business Park<br>Caerphilly CF83 2AX<br>Tel. 029 20807991<br>Fax. 029 20862176<br>mail@integralgeotec.com |  | Project Name:<br><b>Dragon Parc</b>     |  | Project No.:<br><b>12392</b>               |  | Borehole No.:<br><b>PH7</b><br>Sheet 1 of 1 |  |
| Location:<br><b>Merthyr Tydfil</b>                                                                                                                                                                                                    |  | Client: <b>Huntley Wood Investments</b> |  | Coordinates:<br>305393.00mE<br>204204.00mN |  | Hole Type:<br>RO                            |  |
| Equipment: <b>Klemm 802</b>                                                                                                                                                                                                           |  | Diameter of Casing: <b>150mm</b>        |  | Level: <b>157.00mAOD</b>                   |  | Scale<br>1:200                              |  |
| Diameter of Boring: <b>142mm</b>                                                                                                                                                                                                      |  | Depth of Casing: <b>17.00m</b>          |  | Dates<br>22/03/2019 - 22/03/2019           |  | Logged By:<br>ND                            |  |

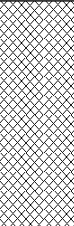
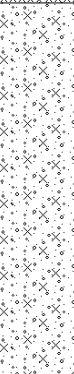
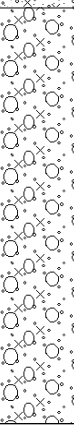
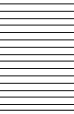
| Well                                                                               | Water Strikes | Rotary Coring |     |     |     |    | Depth (m)                                      | Level (m AOD) | N Value | Legend                                                                             | Stratum Description                                                                 |                                                |
|------------------------------------------------------------------------------------|---------------|---------------|-----|-----|-----|----|------------------------------------------------|---------------|---------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------------|
|                                                                                    |               | Depth (m)     | TCR | SCR | RQD | FI |                                                |               |         |                                                                                    |                                                                                     |                                                |
|  |               |               |     |     |     |    | 0.30                                           | 156.70        |         |  | TARMAC and CONCRETE (Driller's Description)                                         | 1                                              |
|                                                                                    |               |               |     |     |     |    | CLAY, SAND and GRAVELS (Driller's Description) | 2             |         |                                                                                    |                                                                                     |                                                |
|                                                                                    |               |               |     |     |     |    |                                                | 3             |         |                                                                                    |                                                                                     |                                                |
|                                                                                    |               |               |     |     |     |    |                                                | 4             |         |                                                                                    |                                                                                     |                                                |
|                                                                                    |               |               |     |     |     |    |                                                | 5             |         |                                                                                    |                                                                                     |                                                |
|                                                                                    |               |               |     |     |     |    |                                                | 6             |         |                                                                                    |                                                                                     |                                                |
|                                                                                    |               |               |     |     |     |    |                                                | 7             |         |                                                                                    |                                                                                     |                                                |
|                                                                                    |               |               |     |     |     |    |                                                | 8             |         |                                                                                    |                                                                                     |                                                |
|                                                                                    |               |               |     |     |     |    |                                                | 9             |         |                                                                                    |                                                                                     |                                                |
|                                                                                    |               |               |     |     |     |    |                                                | 10            |         |                                                                                    |                                                                                     |                                                |
|                                                                                    |               |               |     |     |     |    |                                                | 11            |         |                                                                                    |                                                                                     |                                                |
|                                                                                    |               |               |     |     |     |    |                                                | 12            |         |                                                                                    |                                                                                     |                                                |
|                                                                                    |               |               |     |     |     |    |                                                | 13            |         |                                                                                    |                                                                                     |                                                |
|                                                                                    |               |               |     |     |     |    |                                                | 14            |         |                                                                                    |                                                                                     |                                                |
|                                                                                    |               |               |     |     |     |    |                                                | 15            |         |                                                                                    |                                                                                     |                                                |
|                                                                                    |               |               |     |     |     |    | 16.80                                          | 140.20        |         |                                                                                    |  | MUDSTONE and SANDSTONE (Driller's Description) |
|                                                                                    |               |               |     |     |     |    |                                                |               |         | 17                                                                                 |                                                                                     |                                                |
|                                                                                    |               |               |     |     |     |    |                                                |               |         | 18                                                                                 |                                                                                     |                                                |
|                                                                                    |               |               |     |     |     |    |                                                |               |         | 19                                                                                 |                                                                                     |                                                |
|                                                                                    |               |               |     |     |     |    |                                                |               |         | 20                                                                                 |                                                                                     |                                                |
|                                                                                    |               |               |     |     |     |    |                                                |               |         | 21                                                                                 |                                                                                     |                                                |
|                                                                                    |               |               |     |     |     |    |                                                |               |         | 22                                                                                 |                                                                                     |                                                |
|                                                                                    |               |               |     |     |     |    |                                                |               |         | 23                                                                                 |                                                                                     |                                                |
|                                                                                    |               |               |     |     |     |    |                                                |               |         | 24                                                                                 |                                                                                     |                                                |
|                                                                                    |               |               |     |     |     |    |                                                |               |         | 25                                                                                 |                                                                                     |                                                |
|                                                                                    |               |               |     |     |     |    |                                                |               |         | 26                                                                                 |                                                                                     |                                                |
|                                                                                    |               |               |     |     |     |    |                                                |               |         | 27                                                                                 |                                                                                     |                                                |
|                                                                                    |               |               |     |     |     |    |                                                |               |         | 28                                                                                 |                                                                                     |                                                |
|                                                                                    |               |               |     |     |     |    |                                                |               |         | 29                                                                                 |                                                                                     |                                                |
|                                                                                    |               |               |     |     |     |    | 30.00                                          | 127.00        |         |                                                                                    | End of Borehole at 30.00 m                                                          | 30                                             |
|                                                                                    |               |               |     | 31  |     |    |                                                |               |         |                                                                                    |                                                                                     |                                                |
|                                                                                    |               |               |     | 32  |     |    |                                                |               |         |                                                                                    |                                                                                     |                                                |
|                                                                                    |               |               |     | 33  |     |    |                                                |               |         |                                                                                    |                                                                                     |                                                |
|                                                                                    |               |               |     | 34  |     |    |                                                |               |         |                                                                                    |                                                                                     |                                                |
|                                                                                    |               |               |     | 35  |     |    |                                                |               |         |                                                                                    |                                                                                     |                                                |
|                                                                                    |               |               |     | 36  |     |    |                                                |               |         |                                                                                    |                                                                                     |                                                |
|                                                                                    |               |               |     | 37  |     |    |                                                |               |         |                                                                                    |                                                                                     |                                                |
|                                                                                    |               |               |     | 38  |     |    |                                                |               |         |                                                                                    |                                                                                     |                                                |
|                                                                                    |               |               |     | 39  |     |    |                                                |               |         |                                                                                    |                                                                                     |                                                |
|                                                                                    |               |               |     | 40  |     |    |                                                |               |         |                                                                                    |                                                                                     |                                                |

|                                                                                                    |  |  |  |                                                                                                                                                                                                           |  |  |  |                                                                                                                                        |  |  |  |                                                                                       |  |
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| <b>Remarks:</b><br>1. Rotary open probehole from GL to 30.0m<br>2. Probehole noted as wet at 16.0m |  |  |  | <b>Key:</b><br>D - Small disturbed sample<br>B - Bulk disturbed sample<br>ES - Environmental soil sample<br>SPT - Standard Penetration Test (split spoon)<br>CPT - Standard Penetration Test (solid cone) |  |  |  | W - Water sample<br>U - Undisturbed sample<br>TCR - Total Core Recovery<br>SCR - Solid Core Recovery<br>RQD - Rock Quality Designation |  |  |  |  |  |
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|  |  | Integral House, 7 Beddau Way<br>Castlegate Business Park<br>Caerphilly CF83 2AX<br>Tel. 029 20807991<br>Fax. 029 20862176<br>mail@integralgeotec.com |  | Project Name:<br><b>Dragon Parc</b>     |  |  |  | Project No.:<br><b>12392</b>               |  | Borehole No.:<br><b>PH8</b><br>Sheet 1 of 1 |  |
| Location:<br><b>Merthyr Tydfil</b>                                               |  |                                                                                                                                                      |  | Client: <b>Huntley Wood Investments</b> |  |  |  | Coordinates:<br>305528.00mE<br>204103.00mN |  | Hole Type:<br>RO                            |  |
| Equipment: <b>Klem 802</b>                                                       |  |                                                                                                                                                      |  | Diameter of Casing: <b>150mm</b>        |  |  |  | Level: <b>156.00mAOD</b>                   |  | Scale<br>1:200                              |  |
| Diameter of Boring: <b>142mm</b>                                                 |  |                                                                                                                                                      |  | Depth of Casing: <b>27.00m</b>          |  |  |  | Dates<br>04/04/2019 - 04/04/2019           |  | Logged By:<br>ND                            |  |

| Well                                                                               | Water Strikes | Rotary Coring |     |     |     |       | Depth (m) | Level (m AOD) | N Value | Legend                                                                            | Stratum Description                                                                 |                                                    |    |
|------------------------------------------------------------------------------------|---------------|---------------|-----|-----|-----|-------|-----------|---------------|---------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------------------------------------------|----|
|                                                                                    |               | Depth (m)     | TCR | SCR | RQD | FI    |           |               |         |                                                                                   |                                                                                     |                                                    |    |
|  |               |               |     |     |     |       | 6.00      | 150.00        |         |  | FILL (Driller's Description)                                                        | 1                                                  |    |
|                                                                                    |               |               |     |     |     |       |           |               |         |                                                                                   | 2                                                                                   |                                                    |    |
|                                                                                    |               |               |     |     |     |       |           |               |         |                                                                                   | 3                                                                                   |                                                    |    |
|                                                                                    |               |               |     |     |     |       |           |               |         |                                                                                   | 4                                                                                   |                                                    |    |
|                                                                                    |               |               |     |     |     |       |           |               |         |                                                                                   | 5                                                                                   |                                                    |    |
|                                                                                    |               |               |     |     |     |       |           |               |         |                                                                                   | 6                                                                                   |                                                    |    |
|                                                                                    |               |               |     |     |     |       |           |               |         |                                                                                   |   | SILTY SANDY GRAVELS (Driller's Description)        | 7  |
|                                                                                    |               |               |     |     |     |       |           |               |         | 8                                                                                 |                                                                                     |                                                    |    |
|                                                                                    |               |               |     |     |     |       |           |               |         | 9                                                                                 |                                                                                     |                                                    |    |
|                                                                                    |               |               |     |     |     |       |           |               |         | 10                                                                                |                                                                                     |                                                    |    |
|                                                                                    |               |               |     |     |     |       |           |               |         | 11                                                                                |                                                                                     |                                                    |    |
|                                                                                    |               |               |     |     |     |       |           |               |         | 12                                                                                |                                                                                     |                                                    |    |
|                                                                                    |               |               |     |     |     |       |           |               |         | 13                                                                                |                                                                                     |                                                    |    |
|                                                                                    |               |               |     |     |     |       |           |               |         | 14                                                                                |                                                                                     |                                                    |    |
|                                                                                    |               |               |     |     |     |       |           |               |         | 15                                                                                |                                                                                     |                                                    |    |
|                                                                                    |               |               |     |     |     |       |           |               |         | 16                                                                                |                                                                                     |                                                    |    |
|                                                                                    |               |               |     |     |     |       |           | 16.00         | 140.00  |                                                                                   |  | SILTY GRAVEL with BOULDERS (Driller's Description) | 17 |
|                                                                                    |               |               |     |     |     |       |           |               |         | 18                                                                                |                                                                                     |                                                    |    |
|                                                                                    |               |               |     |     |     |       |           |               |         | 19                                                                                |                                                                                     |                                                    |    |
|                                                                                    |               |               |     |     |     |       |           |               |         | 20                                                                                |                                                                                     |                                                    |    |
|                                                                                    |               |               |     |     |     |       |           |               |         | 21                                                                                |                                                                                     |                                                    |    |
|                                                                                    |               |               |     |     |     |       |           |               |         | 22                                                                                |                                                                                     |                                                    |    |
|                                                                                    |               |               |     |     |     |       |           |               |         | 23                                                                                |                                                                                     |                                                    |    |
|                                                                                    |               |               |     |     |     |       |           |               |         | 24                                                                                |                                                                                     |                                                    |    |
|                                                                                    |               |               |     |     |     |       |           |               |         | 25                                                                                |                                                                                     |                                                    |    |
|                                                                                    |               |               |     |     |     |       |           |               |         | 26                                                                                |                                                                                     |                                                    |    |
|                                                                                    |               |               |     |     |     |       |           | 27.00         | 129.00  |                                                                                   |  | MUDSTONE (Driller's Description)                   | 27 |
|                                                                                    |               |               |     |     |     |       |           |               |         | 28                                                                                |                                                                                     |                                                    |    |
|                                                                                    |               |               |     |     |     |       |           |               |         | 29                                                                                |                                                                                     |                                                    |    |
|                                                                                    |               |               |     |     |     |       |           |               |         | 30                                                                                |                                                                                     |                                                    |    |
|                                                                                    |               |               |     |     |     | 30.00 | 126.00    |               |         | End of Borehole at 30.00 m                                                        |                                                                                     | 30                                                 |    |
|                                                                                    |               |               |     |     |     |       |           |               |         |                                                                                   | 31                                                                                  |                                                    |    |
|                                                                                    |               |               |     |     |     |       |           |               |         |                                                                                   | 32                                                                                  |                                                    |    |
|                                                                                    |               |               |     |     |     |       |           |               |         |                                                                                   | 33                                                                                  |                                                    |    |
|                                                                                    |               |               |     |     |     |       |           |               |         |                                                                                   | 34                                                                                  |                                                    |    |
|                                                                                    |               |               |     |     |     |       |           |               |         |                                                                                   | 35                                                                                  |                                                    |    |
|                                                                                    |               |               |     |     |     |       |           |               |         |                                                                                   | 36                                                                                  |                                                    |    |
|                                                                                    |               |               |     |     |     |       |           |               |         |                                                                                   | 37                                                                                  |                                                    |    |
|                                                                                    |               |               |     |     |     |       |           |               |         |                                                                                   | 38                                                                                  |                                                    |    |
|                                                                                    |               |               |     |     |     |       |           |               |         |                                                                                   | 39                                                                                  |                                                    |    |
|                                                                                    |               |               |     |     |     |       |           |               |         |                                                                                   | 40                                                                                  |                                                    |    |

|                                                                                                                               |  |  |  |                                                                                                                                                                                                           |  |  |  |                                                                                                                                        |  |  |  |                                                                                       |  |
|-------------------------------------------------------------------------------------------------------------------------------|--|--|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|----------------------------------------------------------------------------------------------------------------------------------------|--|--|--|---------------------------------------------------------------------------------------|--|
| <b>Remarks:</b><br>1. Rotary open probehole from GL to 30.0m<br>2. Excessive water within the silt and sands below 6.0m depth |  |  |  | <b>Key:</b><br>D - Small disturbed sample<br>B - Bulk disturbed sample<br>ES - Environmental soil sample<br>SPT - Standard Penetration Test (split spoon)<br>CPT - Standard Penetration Test (solid cone) |  |  |  | W - Water sample<br>U - Undisturbed sample<br>TCR - Total Core Recovery<br>SCR - Solid Core Recovery<br>RQD - Rock Quality Designation |  |  |  |  |  |
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|                                                                                  |  |                                                                                                                                                      |  |                                         |  |  |  |                                            |  |                                             |  |
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|  |  | Intégral House, 7 Beddau Way<br>Castlegate Business Park<br>Caerphilly CF83 2AX<br>Tel. 029 20807991<br>Fax. 029 20862176<br>mail@integralgeotec.com |  | Project Name:<br><b>Dragon Parc</b>     |  |  |  | Project No.:<br><b>12392</b>               |  | Borehole No.:<br><b>PH9</b><br>Sheet 1 of 1 |  |
| Location:<br><b>Merthyr Tydfil</b>                                               |  |                                                                                                                                                      |  | Client: <b>Huntley Wood Investments</b> |  |  |  | Coordinates:<br>305537.00mE<br>204233.00mN |  | Hole Type:<br>RO                            |  |
| Equipment: <b>Klemm 802</b>                                                      |  |                                                                                                                                                      |  | Diameter of Casing: <b>150mm</b>        |  |  |  | Level: <b>158.00mAOD</b>                   |  | Scale<br>1:200                              |  |
| Diameter of Boring: <b>142mm</b>                                                 |  |                                                                                                                                                      |  | Depth of Casing: <b>15.00m</b>          |  |  |  | Dates<br>03/04/2019 - 03/04/2019           |  | Logged By:<br>ND                            |  |

| Well                                                                               | Water Strikes | Rotary Coring |     |     |     |    | Depth (m) | Level (m AOD) | N Value | Legend | Stratum Description                                         |                                      |    |
|------------------------------------------------------------------------------------|---------------|---------------|-----|-----|-----|----|-----------|---------------|---------|--------|-------------------------------------------------------------|--------------------------------------|----|
|                                                                                    |               | Depth (m)     | TCR | SCR | RQD | FI |           |               |         |        |                                                             |                                      |    |
|  |               |               |     |     |     |    |           |               |         |        | FILL (Driller's Description)                                | 1                                    |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                                             |                                      | 2  |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                                             | TILL (Driller's Description)         | 3  |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                                             |                                      | 4  |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                                             | SANDY GRAVEL (Driller's Description) | 5  |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                                             |                                      | 6  |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                                             |                                      | 7  |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                                             |                                      | 8  |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                                             |                                      | 9  |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                                             |                                      | 10 |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                                             |                                      | 11 |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                                             |                                      | 12 |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                                             |                                      | 13 |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                                             |                                      | 14 |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                                             |                                      | 15 |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                                             |                                      | 16 |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                                             |                                      | 17 |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                                             |                                      | 18 |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                                             |                                      | 19 |
|                                                                                    |               |               |     |     |     |    | 19.00     | 139.00        |         |        | GRAVEL and BOULDERS with soft bands (Driller's Description) | 20                                   |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                                             | 21                                   |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                                             | 22                                   |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                                             | 23                                   |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                                             | 24                                   |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                                             | 25                                   |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                                             | 26                                   |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                                             | 27                                   |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                                             | 28                                   |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                                             | 29                                   |    |
|                                                                                    |               |               |     |     |     |    | 30.00     | 128.00        |         |        | End of Borehole at 30.00 m                                  | 30                                   |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                                             | 31                                   |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                                             | 32                                   |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                                             | 33                                   |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                                             | 34                                   |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                                             | 35                                   |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                                             | 36                                   |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                                             | 37                                   |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                                             | 38                                   |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                                             | 39                                   |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                                             | 40                                   |    |

|                                                                                          |  |  |  |                                                                                                                                                                                                           |  |  |  |                                                                                                                                        |  |  |  |                                                                                       |  |
|------------------------------------------------------------------------------------------|--|--|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|----------------------------------------------------------------------------------------------------------------------------------------|--|--|--|---------------------------------------------------------------------------------------|--|
| <b>Remarks:</b><br>1. Rotary open probehole from GL to 30.0m<br>2. Groundwater at 10.0m. |  |  |  | <b>Key:</b><br>D - Small disturbed sample<br>B - Bulk disturbed sample<br>ES - Environmental soil sample<br>SPT - Standard Penetration Test (split spoon)<br>CPT - Standard Penetration Test (solid cone) |  |  |  | W - Water sample<br>U - Undisturbed sample<br>TCR - Total Core Recovery<br>SCR - Solid Core Recovery<br>RQD - Rock Quality Designation |  |  |  |  |  |
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|                                                                                  |  |                                                                                                                                                      |  |                                         |  |  |  |                                            |  |                                              |  |
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|  |  | Intégral House, 7 Beddau Way<br>Castlegate Business Park<br>Caerphilly CF83 2AX<br>Tel. 029 20807991<br>Fax. 029 20862176<br>mail@integralgeotec.com |  | Project Name:<br><b>Dragon Parc</b>     |  |  |  | Project No.:<br><b>12392</b>               |  | Borehole No.:<br><b>PH10</b><br>Sheet 1 of 1 |  |
| Location:<br><b>Merthyr Tydfil</b>                                               |  |                                                                                                                                                      |  | Client: <b>Huntley Wood Investments</b> |  |  |  | Coordinates:<br>305351.00mE<br>204233.00mN |  | Hole Type:<br>RO                             |  |
| Equipment: <b>Klemm 802</b>                                                      |  |                                                                                                                                                      |  | Diameter of Casing: <b>150mm</b>        |  |  |  | Level: <b>157.00mAOD</b>                   |  | Scale<br>1:200                               |  |
| Diameter of Boring: <b>142mm</b>                                                 |  |                                                                                                                                                      |  | Depth of Casing: <b>13.50m</b>          |  |  |  | Dates<br>26/03/2019 - 26/03/2019           |  | Logged By:<br>DT                             |  |

| Well                                                                               | Water Strikes | Rotary Coring |     |     |     |        | Depth (m) | Level (m AOD) | N Value | Legend                                                | Stratum Description                 |    |
|------------------------------------------------------------------------------------|---------------|---------------|-----|-----|-----|--------|-----------|---------------|---------|-------------------------------------------------------|-------------------------------------|----|
|                                                                                    |               | Depth (m)     | TCR | SCR | RQD | FI     |           |               |         |                                                       |                                     |    |
|  |               |               |     |     |     |        |           |               |         |                                                       | MADE GROUND (Driller's Description) | 1  |
|                                                                                    |               |               |     |     |     |        |           |               |         |                                                       |                                     | 2  |
|                                                                                    |               |               |     |     |     |        |           |               |         |                                                       |                                     | 3  |
|                                                                                    |               |               |     |     |     |        |           |               |         |                                                       |                                     | 4  |
|                                                                                    |               | 4.80          |     |     |     |        |           | 152.20        |         |                                                       | TILL (wet) (Driller's Description)  | 5  |
|                                                                                    |               |               |     |     |     |        |           |               |         |                                                       |                                     | 6  |
|                                                                                    |               |               |     |     |     |        |           |               |         |                                                       |                                     | 7  |
|                                                                                    |               |               |     |     |     |        |           |               |         |                                                       |                                     | 8  |
|                                                                                    |               |               |     |     |     |        |           |               |         |                                                       |                                     | 9  |
|                                                                                    |               |               |     |     |     |        |           |               |         |                                                       |                                     | 10 |
| 13.70                                                                              |               |               |     |     |     | 143.30 |           |               |         | CLAY/MUDSTONE (Driller's Description)                 | 13                                  |    |
| 15.50                                                                              |               |               |     |     |     | 141.50 |           |               |         | SANDSTONE (Driller's Description)                     | 15                                  |    |
| 19.70                                                                              |               |               |     |     |     | 137.30 |           |               |         | COAL (Driller's Description)                          | 19                                  |    |
| 21.00                                                                              |               |               |     |     |     | 136.00 |           |               |         | MUDSTONE (Driller's Description)                      | 21                                  |    |
| 25.20                                                                              |               |               |     |     |     | 131.80 |           |               |         | Dark MUDSTONE with coal bands (Driller's Description) | 25                                  |    |
| 26.00                                                                              |               |               |     |     |     | 131.00 |           |               |         | MUDSTONE (Driller's Description)                      | 26                                  |    |
| 30.00                                                                              |               |               |     |     |     | 127.00 |           |               |         | End of Borehole at 30.00 m                            | 30                                  |    |
|                                                                                    |               |               |     |     |     |        |           |               |         |                                                       | 31                                  |    |
|                                                                                    |               |               |     |     |     |        |           |               |         |                                                       | 32                                  |    |
|                                                                                    |               |               |     |     |     |        |           |               |         |                                                       | 33                                  |    |
|                                                                                    |               |               |     |     |     |        |           |               |         |                                                       | 34                                  |    |
|                                                                                    |               |               |     |     |     |        |           |               |         |                                                       | 35                                  |    |
|                                                                                    |               |               |     |     |     |        |           |               |         |                                                       | 36                                  |    |
|                                                                                    |               |               |     |     |     |        |           |               |         |                                                       | 37                                  |    |
|                                                                                    |               |               |     |     |     |        |           |               |         |                                                       | 38                                  |    |
|                                                                                    |               |               |     |     |     |        |           |               |         |                                                       | 39                                  |    |
|                                                                                    |               |               |     |     |     |        |           |               |         |                                                       | 40                                  |    |

|                                                                                                                               |  |  |  |                                                                                                                                                                                                           |  |  |  |                                                                                                                                        |  |  |  |                                                                                       |  |
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| <b>Remarks:</b><br>1. Rotary open probehole from GL to 30.0m<br>2. Probehole noted as wet<br>3. Gas monitoring well installed |  |  |  | <b>Key:</b><br>D - Small disturbed sample<br>B - Bulk disturbed sample<br>ES - Environmental soil sample<br>SPT - Standard Penetration Test (split spoon)<br>CPT - Standard Penetration Test (solid cone) |  |  |  | W - Water sample<br>U - Undisturbed sample<br>TCR - Total Core Recovery<br>SCR - Solid Core Recovery<br>RQD - Rock Quality Designation |  |  |  |  |  |
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|  |  | Intégral House, 7 Beddau Way<br>Castlegate Business Park<br>Caerphilly CF83 2AX<br>Tel. 029 20807991<br>Fax. 029 20862176<br>mail@integralgeotec.com |  | Project Name:<br><b>Dragon Parc</b>     |  |  |  | Project No.:<br><b>12392</b>               |  | Borehole No.:<br><b>PH11</b><br>Sheet 1 of 1 |  |
| Location:<br><b>Merthyr Tydfil</b>                                               |  |                                                                                                                                                      |  | Client: <b>Huntley Wood Investments</b> |  |  |  | Coordinates:<br>305420.00mE<br>204231.00mN |  | Hole Type:<br>RO                             |  |
| Equipment: <b>Klemm 802</b>                                                      |  |                                                                                                                                                      |  | Diameter of Casing: <b>150mm</b>        |  |  |  | Level: <b>157.00mAOD</b>                   |  | Scale<br>1:200                               |  |
| Diameter of Boring: <b>142mm</b>                                                 |  |                                                                                                                                                      |  | Depth of Casing: <b>15.00m</b>          |  |  |  | Dates<br>26/03/2019 - 27/03/2019           |  | Logged By:<br>DT                             |  |

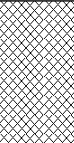
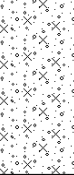
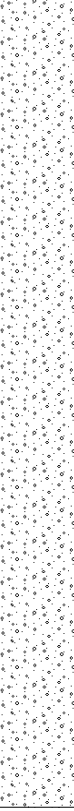
| Well | Water Strikes | Rotary Coring |     |     |     |       | Depth (m) | Level (m AOD) | N Value | Legend                                      | Stratum Description                 |    |
|------|---------------|---------------|-----|-----|-----|-------|-----------|---------------|---------|---------------------------------------------|-------------------------------------|----|
|      |               | Depth (m)     | TCR | SCR | RQD | FI    |           |               |         |                                             |                                     |    |
|      |               |               |     |     |     |       | 7.10      | 149.90        |         |                                             | MADE GROUND (Driller's Description) | 1  |
|      |               |               |     |     |     |       |           |               |         |                                             |                                     | 2  |
|      |               |               |     |     |     |       |           |               |         |                                             |                                     | 3  |
|      |               |               |     |     |     |       |           |               |         |                                             |                                     | 4  |
|      |               |               |     |     |     |       |           |               |         |                                             |                                     | 5  |
|      |               |               |     |     |     |       |           |               |         |                                             |                                     | 6  |
|      |               |               |     |     |     |       |           |               |         |                                             |                                     | 7  |
|      |               |               |     |     |     |       |           |               |         |                                             |                                     | 8  |
|      |               |               |     |     |     |       |           |               |         |                                             |                                     | 9  |
|      |               |               |     |     |     |       |           |               |         |                                             |                                     | 10 |
|      |               |               |     |     |     |       |           |               |         |                                             |                                     | 11 |
|      |               |               |     |     |     |       |           |               |         |                                             |                                     | 12 |
|      |               |               |     |     |     |       |           |               |         |                                             |                                     | 13 |
|      |               |               |     |     |     |       |           |               |         |                                             |                                     | 14 |
|      |               |               |     |     |     |       |           |               |         |                                             |                                     | 15 |
|      |               |               |     |     |     | 14.40 | 142.60    |               |         | CLAY/MUDSTONE (Driller's Description)       | 16                                  |    |
|      |               |               |     |     |     | 15.00 | 142.00    |               |         | SANDSTONE (Driller's Description)           | 17                                  |    |
|      |               |               |     |     |     |       |           |               |         |                                             | 18                                  |    |
|      |               |               |     |     |     | 18.90 | 138.10    |               |         | BROKEN GROUND (wet) (Driller's Description) | 19                                  |    |
|      |               |               |     |     |     | 19.90 | 137.10    |               |         | SANDSTONE (Driller's Description)           | 20                                  |    |
|      |               |               |     |     |     |       |           |               |         |                                             | 21                                  |    |
|      |               |               |     |     |     |       |           |               |         |                                             | 22                                  |    |
|      |               |               |     |     |     | 23.20 | 133.80    |               |         | COAL (Driller's Description)                | 23                                  |    |
|      |               |               |     |     |     | 24.40 | 132.60    |               |         | MUDSTONE (Driller's Description)            | 24                                  |    |
|      |               |               |     |     |     |       |           |               |         |                                             | 25                                  |    |
|      |               |               |     |     |     |       |           |               |         |                                             | 26                                  |    |
|      |               |               |     |     |     |       |           |               |         |                                             | 27                                  |    |
|      |               |               |     |     |     | 28.00 | 129.00    |               |         | SANDSTONE (Driller's Description)           | 28                                  |    |
|      |               |               |     |     |     |       |           |               |         |                                             | 29                                  |    |
|      |               |               |     |     |     | 30.00 | 127.00    |               |         | End of Borehole at 30.00 m                  | 30                                  |    |
|      |               |               |     |     |     |       |           |               |         |                                             | 31                                  |    |
|      |               |               |     |     |     |       |           |               |         |                                             | 32                                  |    |
|      |               |               |     |     |     |       |           |               |         |                                             | 33                                  |    |
|      |               |               |     |     |     |       |           |               |         |                                             | 34                                  |    |
|      |               |               |     |     |     |       |           |               |         |                                             | 35                                  |    |
|      |               |               |     |     |     |       |           |               |         |                                             | 36                                  |    |
|      |               |               |     |     |     |       |           |               |         |                                             | 37                                  |    |
|      |               |               |     |     |     |       |           |               |         |                                             | 38                                  |    |
|      |               |               |     |     |     |       |           |               |         |                                             | 39                                  |    |
|      |               |               |     |     |     |       |           |               |         |                                             | 40                                  |    |

|                                                                                           |  |                                                                                                                                                                                                           |  |                                                                                                                                        |  |                                                                                       |
|-------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|
| <b>Remarks:</b><br>1. Rotary open probehole from GL to 30.0m<br>2. Probehole noted as wet |  | <b>Key:</b><br>D - Small disturbed sample<br>B - Bulk disturbed sample<br>ES - Environmental soil sample<br>SPT - Standard Penetration Test (split spoon)<br>CPT - Standard Penetration Test (solid cone) |  | W - Water sample<br>U - Undisturbed sample<br>TCR - Total Core Recovery<br>SCR - Solid Core Recovery<br>RQD - Rock Quality Designation |  |  |
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|                                                                                  |  |                                                                                                                                                      |  |                                         |  |  |  |                                            |  |                                              |  |
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|  |  | Integral House, 7 Beddau Way<br>Castlegate Business Park<br>Caerphilly CF83 2AX<br>Tel. 029 20807991<br>Fax. 029 20862176<br>mail@integralgeotec.com |  | Project Name:<br><b>Dragon Parc</b>     |  |  |  | Project No.:<br><b>12392</b>               |  | Borehole No.:<br><b>PH12</b><br>Sheet 1 of 1 |  |
| Location:<br><b>Merthyr Tydfil</b>                                               |  |                                                                                                                                                      |  | Client: <b>Huntley Wood Investments</b> |  |  |  | Coordinates:<br>305507.00mE<br>204231.00mN |  | Hole Type:<br>RO                             |  |
| Equipment: <b>Klemm 802</b>                                                      |  |                                                                                                                                                      |  | Diameter of Casing: <b>150mm</b>        |  |  |  | Level: <b>157.00mAOD</b>                   |  | Scale<br>1:200                               |  |
| Diameter of Boring: <b>142mm</b>                                                 |  |                                                                                                                                                      |  | Depth of Casing: <b>18.00m</b>          |  |  |  | Dates<br>03/04/2019 - 03/04/2019           |  | Logged By:<br>DT                             |  |

| Well                                                                               | Water Strikes | Rotary Coring |     |     |     |    | Depth (m) | Level (m AOD) | N Value | Legend                                                                            | Stratum Description                                                                |                                      |                            |
|------------------------------------------------------------------------------------|---------------|---------------|-----|-----|-----|----|-----------|---------------|---------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------------------|----------------------------|
|                                                                                    |               | Depth (m)     | TCR | SCR | RQD | FI |           |               |         |                                                                                   |                                                                                    |                                      |                            |
|  |               |               |     |     |     |    | 3.80      | 153.20        |         |  | FILL (Driller's Description)                                                       | 1                                    |                            |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    | 2                                    |                            |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    | 3                                    |                            |
|                                                                                    |               |               |     |     |     |    |           |               |         |  | Till (Driller's Description)                                                       | 4                                    |                            |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 5                                                                                  |                                      |                            |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 6                                                                                  |                                      |                            |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 7                                                                                  |                                      |                            |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 8                                                                                  |                                      |                            |
|                                                                                    |               |               |     |     |     |    |           | 8.50          | 148.50  |                                                                                   |  | SANDY GRAVEL (Driller's Description) | 9                          |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    | 10                                   |                            |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    | 11                                   |                            |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    | 12                                   |                            |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    | 13                                   |                            |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    | 14                                   |                            |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    | 15                                   |                            |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    | 16                                   |                            |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    | 17                                   |                            |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    | 18                                   |                            |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    | 19                                   |                            |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    | 20                                   |                            |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    | 21                                   |                            |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    | 22                                   |                            |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    | 23                                   |                            |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    | 24                                   |                            |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    | 25                                   |                            |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    | 26                                   |                            |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 27                                                                                 |                                      |                            |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 28                                                                                 |                                      |                            |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 29                                                                                 |                                      |                            |
|                                                                                    |               |               |     |     |     |    |           | 30.00         | 127.00  |                                                                                   |                                                                                    |                                      | End of Borehole at 30.00 m |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 31                                                                                 |                                      |                            |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 32                                                                                 |                                      |                            |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 33                                                                                 |                                      |                            |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 34                                                                                 |                                      |                            |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 35                                                                                 |                                      |                            |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 36                                                                                 |                                      |                            |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 37                                                                                 |                                      |                            |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 38                                                                                 |                                      |                            |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 39                                                                                 |                                      |                            |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 40                                                                                 |                                      |                            |

|                                                                                        |  |                                                                                                                                                                                                           |  |                                                                                                                                        |  |                                                                                       |
|----------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|
| <b>Remarks:</b><br>1. Rotary open probehole from GL to 30.0m<br>2. Groundwater at 9.0m |  | <b>Key:</b><br>D - Small disturbed sample<br>B - Bulk disturbed sample<br>ES - Environmental soil sample<br>SPT - Standard Penetration Test (split spoon)<br>CPT - Standard Penetration Test (solid cone) |  | W - Water sample<br>U - Undisturbed sample<br>TCR - Total Core Recovery<br>SCR - Solid Core Recovery<br>RQD - Rock Quality Designation |  |  |
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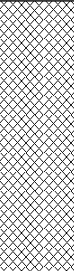
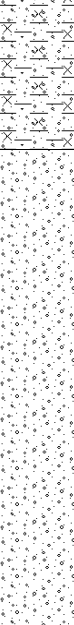
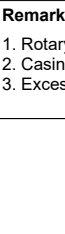
|                                                                                                                                                                                                           |                  |                                         |     |     |       |                                            |                  |                                              |                                                        |                                     |                                                |    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|-----------------------------------------|-----|-----|-------|--------------------------------------------|------------------|----------------------------------------------|--------------------------------------------------------|-------------------------------------|------------------------------------------------|----|
| <div>Intégral<br/>Géotechnique</div> <div>Intégral House, 7 Beddau Way<br/>Castlegate Business Park<br/>Caerphilly CF83 2AX<br/>Tel. 029 20807991<br/>Fax. 029 20862176<br/>mail@integralgeotec.com</div> |                  | Project Name:<br><b>Dragon Parc</b>     |     |     |       | Project No.:<br><b>12392</b>               |                  | Borehole No.:<br><b>PH13</b><br>Sheet 1 of 1 |                                                        |                                     |                                                |    |
| Location:<br><b>Merthyr Tydfil</b>                                                                                                                                                                        |                  | Client: <b>Huntley Wood Investments</b> |     |     |       | Coordinates:<br>305405.00mE<br>204329.00mN |                  | Hole Type:<br><b>RO</b>                      |                                                        |                                     |                                                |    |
| Equipment: <b>Klemm 802</b>                                                                                                                                                                               |                  | Diameter of Casing: <b>150mm</b>        |     |     |       | Level: <b>157.00mAOD</b>                   |                  | Scale<br><b>1:200</b>                        |                                                        |                                     |                                                |    |
| Diameter of Boring: <b>142mm</b>                                                                                                                                                                          |                  | Depth of Casing: <b>30.00m</b>          |     |     |       | Dates<br>27/03/2019 - 27/03/2019           |                  | Logged By:<br><b>DT</b>                      |                                                        |                                     |                                                |    |
| Well                                                                                                                                                                                                      | Water<br>Strikes | Rotary Coring                           |     |     |       | Depth<br>(m)                               | Level<br>(m AOD) | N<br>Value                                   | Legend                                                 | Stratum Description                 |                                                |    |
|                                                                                                                                                                                                           |                  | Depth (m)                               | TCR | SCR | RQD   |                                            |                  |                                              |                                                        |                                     |                                                | FI |
|                                                                                                                                                                                                           |                  |                                         |     |     |       |                                            |                  |                                              |                                                        | MADE GROUND (Driller's Description) | 1                                              |    |
|                                                                                                                                                                                                           |                  |                                         |     |     |       |                                            |                  |                                              |                                                        |                                     |                                                | 2  |
|                                                                                                                                                                                                           |                  |                                         |     |     |       |                                            |                  |                                              |                                                        |                                     |                                                | 3  |
|                                                                                                                                                                                                           |                  |                                         |     |     |       |                                            |                  |                                              |                                                        |                                     |                                                | 4  |
|                                                                                                                                                                                                           |                  |                                         |     |     |       |                                            |                  |                                              |                                                        |                                     |                                                | 5  |
|                                                                                                                                                                                                           |                  |                                         |     |     |       |                                            | 6.40             | 150.60                                       |                                                        |                                     |                                                | 6  |
|                                                                                                                                                                                                           |                  |                                         |     |     |       |                                            | 8.00             | 149.00                                       |                                                        |                                     | TILL (Driller's Description)                   | 7  |
|                                                                                                                                                                                                           |                  |                                         |     |     |       |                                            |                  |                                              |                                                        |                                     | SANDS and GRAVEL (wet) (Driller's Description) | 8  |
|                                                                                                                                                                                                           |                  |                                         |     |     |       |                                            |                  |                                              |                                                        |                                     |                                                | 9  |
|                                                                                                                                                                                                           |                  |                                         |     |     |       |                                            |                  |                                              |                                                        |                                     |                                                | 10 |
|                                                                                                                                                                                                           |                  |                                         |     |     |       |                                            |                  |                                              |                                                        |                                     |                                                | 11 |
|                                                                                                                                                                                                           |                  |                                         |     |     |       |                                            |                  |                                              |                                                        |                                     |                                                | 12 |
|                                                                                                                                                                                                           |                  |                                         |     |     |       |                                            | 13.20            | 143.80                                       |                                                        |                                     | MUDSTONE(Driller's Description)                | 13 |
|                                                                                                                                                                                                           |                  |                                         |     |     |       |                                            |                  |                                              |                                                        |                                     |                                                | 14 |
|                                                                                                                                                                                                           |                  |                                         |     |     |       |                                            |                  |                                              |                                                        |                                     |                                                | 15 |
|                                                                                                                                                                                                           |                  |                                         |     |     |       |                                            | 16.70            | 140.30                                       |                                                        |                                     |                                                | 16 |
|                                                                                                                                                                                                           |                  |                                         |     |     | 17.90 | 139.10                                     |                  |                                              | COAL (Driller's Description)                           | 17                                  |                                                |    |
|                                                                                                                                                                                                           |                  |                                         |     |     |       |                                            |                  |                                              | MUDSTONE (Driller's Description)                       | 18                                  |                                                |    |
|                                                                                                                                                                                                           |                  |                                         |     |     |       |                                            |                  |                                              |                                                        | 19                                  |                                                |    |
|                                                                                                                                                                                                           |                  |                                         |     |     |       |                                            |                  |                                              |                                                        | 20                                  |                                                |    |
|                                                                                                                                                                                                           |                  |                                         |     |     |       |                                            |                  |                                              |                                                        | 21                                  |                                                |    |
|                                                                                                                                                                                                           |                  |                                         |     |     | 21.70 | 135.30                                     |                  |                                              | Dark MUDSTONE with coal traces (Driller's Description) | 22                                  |                                                |    |
|                                                                                                                                                                                                           |                  |                                         |     |     | 22.50 | 134.50                                     |                  |                                              | MUDSTONE with sandstone bands (Driller's Description)  | 23                                  |                                                |    |
|                                                                                                                                                                                                           |                  |                                         |     |     |       |                                            |                  |                                              |                                                        | 24                                  |                                                |    |
|                                                                                                                                                                                                           |                  |                                         |     |     |       |                                            |                  |                                              |                                                        | 25                                  |                                                |    |
|                                                                                                                                                                                                           |                  |                                         |     |     |       |                                            |                  |                                              |                                                        | 26                                  |                                                |    |
|                                                                                                                                                                                                           |                  |                                         |     |     |       |                                            |                  |                                              |                                                        | 27                                  |                                                |    |
|                                                                                                                                                                                                           |                  |                                         |     |     |       |                                            |                  |                                              |                                                        | 28                                  |                                                |    |
|                                                                                                                                                                                                           |                  |                                         |     |     |       |                                            |                  |                                              |                                                        | 29                                  |                                                |    |
|                                                                                                                                                                                                           |                  |                                         |     |     | 30.00 | 127.00                                     |                  |                                              | End of Borehole at 30.00 m                             | 30                                  |                                                |    |
|                                                                                                                                                                                                           |                  |                                         |     |     |       |                                            |                  |                                              |                                                        | 31                                  |                                                |    |
|                                                                                                                                                                                                           |                  |                                         |     |     |       |                                            |                  |                                              |                                                        | 32                                  |                                                |    |
|                                                                                                                                                                                                           |                  |                                         |     |     |       |                                            |                  |                                              |                                                        | 33                                  |                                                |    |
|                                                                                                                                                                                                           |                  |                                         |     |     |       |                                            |                  |                                              |                                                        | 34                                  |                                                |    |
|                                                                                                                                                                                                           |                  |                                         |     |     |       |                                            |                  |                                              |                                                        | 35                                  |                                                |    |
|                                                                                                                                                                                                           |                  |                                         |     |     |       |                                            |                  |                                              |                                                        | 36                                  |                                                |    |
|                                                                                                                                                                                                           |                  |                                         |     |     |       |                                            |                  |                                              |                                                        | 37                                  |                                                |    |
|                                                                                                                                                                                                           |                  |                                         |     |     |       |                                            |                  |                                              |                                                        | 38                                  |                                                |    |
|                                                                                                                                                                                                           |                  |                                         |     |     |       |                                            |                  |                                              |                                                        | 39                                  |                                                |    |
|                                                                                                                                                                                                           |                  |                                         |     |     |       |                                            |                  |                                              |                                                        | 40                                  |                                                |    |

|                                                                                                                               |  |                                                                                                                                                                                                                                                                                                                                                     |  |  |
|-------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| <b>Remarks:</b><br>1. Rotary open probehole from GL to 30.0m<br>2. Probehole noted as wet<br>3. Gas monitoring well installed |  | <b>Key:</b><br>D - Small disturbed sample<br>B - Bulk disturbed sample<br>ES - Environmental soil sample<br>SPT - Standard Penetration Test (split spoon)<br>CPT - Standard Penetration Test (solid cone)<br>W - Water sample<br>U - Undisturbed sample<br>TCR - Total Core Recovery<br>SCR - Solid Core Recovery<br>RQD - Rock Quality Designation |  |  |
|                                                                                                                               |  |                                                                                                                                                                                                                                                                                                                                                     |  |  |



|                                                                                  |  |                                                                                                                                                      |  |                                         |  |  |  |                                            |  |                                              |  |
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|  |  | Intégral House, 7 Beddau Way<br>Castlegate Business Park<br>Caerphilly CF83 2AX<br>Tel. 029 20807991<br>Fax. 029 20862176<br>mail@integralgeotec.com |  | Project Name:<br><b>Dragon Parc</b>     |  |  |  | Project No.:<br><b>12392</b>               |  | Borehole No.:<br><b>PH14</b><br>Sheet 1 of 1 |  |
| Location:<br><b>Merthyr Tydfil</b>                                               |  |                                                                                                                                                      |  | Client: <b>Huntley Wood Investments</b> |  |  |  | Coordinates:<br>305480.00mE<br>204377.00mN |  | Hole Type:<br><b>RO</b>                      |  |
| Equipment: <b>Klemm 802</b>                                                      |  |                                                                                                                                                      |  | Diameter of Casing: <b>150mm</b>        |  |  |  | Level: <b>157.00mAOD</b>                   |  | Scale<br><b>1:200</b>                        |  |
| Diameter of Boring: <b>142mm</b>                                                 |  |                                                                                                                                                      |  | Depth of Casing: <b>22.00m</b>          |  |  |  | Dates<br>28/03/2019 - 28/03/2019           |  | Logged By:<br><b>DT</b>                      |  |

| Well                                                                                | Water Strikes | Rotary Coring |     |     |     |    | Depth (m) | Level (m AOD) | N Value | Legend                                                                              | Stratum Description                           |    |
|-------------------------------------------------------------------------------------|---------------|---------------|-----|-----|-----|----|-----------|---------------|---------|-------------------------------------------------------------------------------------|-----------------------------------------------|----|
|                                                                                     |               | Depth (m)     | TCR | SCR | RQD | FI |           |               |         |                                                                                     |                                               |    |
|   |               |               |     |     |     |    | 7.20      | 149.80        |         |    | MADE GROUND (Driller's Description)           | 1  |
|                                                                                     |               |               |     |     |     |    |           |               |         |                                                                                     | 2                                             |    |
|                                                                                     |               |               |     |     |     |    |           |               |         |                                                                                     | 3                                             |    |
|                                                                                     |               |               |     |     |     |    |           |               |         |                                                                                     | 4                                             |    |
|                                                                                     |               |               |     |     |     |    |           |               |         |                                                                                     | 5                                             |    |
|                                                                                     |               |               |     |     |     |    |           |               |         |                                                                                     | 6                                             |    |
|                                                                                     |               |               |     |     |     |    |           |               |         |                                                                                     | 7                                             |    |
|                                                                                     |               |               |     |     |     |    |           |               |         |                                                                                     | 8                                             |    |
|                                                                                     |               |               |     |     |     |    |           |               |         |                                                                                     | 9                                             |    |
|                                                                                     |               |               |     |     |     |    |           |               |         |                                                                                     | 10                                            |    |
|  |               |               |     |     |     |    | 11.20     | 145.80        |         |   | TILL (Driller's Description)                  | 11 |
|                                                                                     |               |               |     |     |     |    |           |               |         |                                                                                     | 12                                            |    |
|                                                                                     |               |               |     |     |     |    |           |               |         |                                                                                     | 13                                            |    |
|                                                                                     |               |               |     |     |     |    |           |               |         |                                                                                     | 14                                            |    |
|                                                                                     |               |               |     |     |     |    |           |               |         |                                                                                     | 15                                            |    |
|                                                                                     |               |               |     |     |     |    |           |               |         |                                                                                     | 16                                            |    |
|                                                                                     |               |               |     |     |     |    |           |               |         |                                                                                     | 17                                            |    |
|                                                                                     |               |               |     |     |     |    |           |               |         |                                                                                     | 18                                            |    |
|                                                                                     |               |               |     |     |     |    |           |               |         |                                                                                     | 19                                            |    |
|                                                                                     |               |               |     |     |     |    |           |               |         |                                                                                     | 20                                            |    |
|  |               |               |     |     |     |    | 24.00     | 133.00        |         |  | SANDS and GRAVEL (Driller's Description)      | 21 |
|                                                                                     |               |               |     |     |     |    |           |               |         |                                                                                     | 22                                            |    |
|                                                                                     |               |               |     |     |     |    |           |               |         |                                                                                     | 23                                            |    |
|                                                                                     |               |               |     |     |     |    |           |               |         |                                                                                     | 24                                            |    |
|                                                                                     |               |               |     |     |     |    |           |               |         |                                                                                     | 25                                            |    |
|                                                                                     |               |               |     |     |     |    |           |               |         |                                                                                     | 26                                            |    |
|                                                                                     |               |               |     |     |     |    |           |               |         |                                                                                     | 27                                            |    |
|                                                                                     |               |               |     |     |     |    |           |               |         |                                                                                     | 28                                            |    |
|                                                                                     |               |               |     |     |     |    |           |               |         |                                                                                     | 29                                            |    |
|                                                                                     |               |               |     |     |     |    |           |               |         |                                                                                     | 30                                            |    |
|  |               |               |     |     |     |    | 26.50     | 130.50        |         |  | SILT, SAND and GRAVEL (Driller's Description) | 31 |
|                                                                                     |               |               |     |     |     |    |           |               |         |                                                                                     | 32                                            |    |
|                                                                                     |               |               |     |     |     |    |           |               |         |                                                                                     | 33                                            |    |
|                                                                                     |               |               |     |     |     |    |           |               |         |                                                                                     | 34                                            |    |
|                                                                                     |               |               |     |     |     |    |           |               |         |                                                                                     | 35                                            |    |
|                                                                                     |               |               |     |     |     |    |           |               |         |                                                                                     | 36                                            |    |
|                                                                                     |               |               |     |     |     |    |           |               |         |                                                                                     | 37                                            |    |
|                                                                                     |               |               |     |     |     |    |           |               |         |                                                                                     | 38                                            |    |
|                                                                                     |               |               |     |     |     |    |           |               |         |                                                                                     | 39                                            |    |
|                                                                                     |               |               |     |     |     |    |           |               |         |                                                                                     | 40                                            |    |

|                                                                                                                                                                    |  |  |  |                                                                                                                                                                                                           |  |  |  |                                                                                                                                        |  |  |  |                                                                                       |  |
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| <b>Remarks:</b><br>1. Rotary open probehole from GL to 30.0m<br>2. Casing parted when advancing between 22.0m and 24.0m depth<br>3. Excessive water at 24.0m depth |  |  |  | <b>Key:</b><br>D - Small disturbed sample<br>B - Bulk disturbed sample<br>ES - Environmental soil sample<br>SPT - Standard Penetration Test (split spoon)<br>CPT - Standard Penetration Test (solid cone) |  |  |  | W - Water sample<br>U - Undisturbed sample<br>TCR - Total Core Recovery<br>SCR - Solid Core Recovery<br>RQD - Rock Quality Designation |  |  |  |  |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|----------------------------------------------------------------------------------------------------------------------------------------|--|--|--|---------------------------------------------------------------------------------------|--|

|                                                                                  |  |                                                                                                                                                      |  |                                         |  |  |  |                                            |  |                                              |  |
|----------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------|--|--|--|--------------------------------------------|--|----------------------------------------------|--|
|  |  | Integral House, 7 Beddau Way<br>Castlegate Business Park<br>Caerphilly CF83 2AX<br>Tel. 029 20807991<br>Fax. 029 20862176<br>mail@integralgeotec.com |  | Project Name:<br><b>Dragon Parc</b>     |  |  |  | Project No.:<br><b>12392</b>               |  | Borehole No.:<br><b>PH15</b><br>Sheet 1 of 1 |  |
| Location:<br><b>Merthyr Tydfil</b>                                               |  |                                                                                                                                                      |  | Client: <b>Huntley Wood Investments</b> |  |  |  | Coordinates:<br>305388.00mE<br>204350.00mN |  | Hole Type:<br><b>RO</b>                      |  |
| Equipment: <b>Klemm 802</b>                                                      |  |                                                                                                                                                      |  | Diameter of Casing: <b>150mm</b>        |  |  |  | Level: <b>156.00mAOD</b>                   |  | Scale<br><b>1:200</b>                        |  |
| Diameter of Boring: <b>142mm</b>                                                 |  |                                                                                                                                                      |  | Depth of Casing: <b>15.00m</b>          |  |  |  | Dates<br>27/03/2019 - 27/03/2019           |  | Logged By:<br><b>DT</b>                      |  |

| Well | Water Strikes | Rotary Coring |     |     |     |       | Depth (m) | Level (m AOD) | N Value | Legend                                                | Stratum Description                 |                                                |    |
|------|---------------|---------------|-----|-----|-----|-------|-----------|---------------|---------|-------------------------------------------------------|-------------------------------------|------------------------------------------------|----|
|      |               | Depth (m)     | TCR | SCR | RQD | FI    |           |               |         |                                                       |                                     |                                                |    |
|      |               |               |     |     |     |       |           |               |         |                                                       | MADE GROUND (Driller's Description) | 1                                              |    |
|      |               |               |     |     |     |       |           |               |         |                                                       |                                     | 2                                              |    |
|      |               |               |     |     |     |       |           |               |         |                                                       |                                     |                                                | 3  |
|      |               |               |     |     |     |       |           |               |         |                                                       |                                     |                                                | 4  |
|      |               |               |     |     |     |       |           | 4.80          | 151.20  |                                                       |                                     | SANDS and GRAVEL (wet) (Driller's Description) | 5  |
|      |               |               |     |     |     |       |           |               |         |                                                       |                                     |                                                | 6  |
|      |               |               |     |     |     |       |           |               |         |                                                       |                                     |                                                | 7  |
|      |               |               |     |     |     |       |           |               |         |                                                       |                                     |                                                | 8  |
|      |               |               |     |     |     |       |           |               |         |                                                       |                                     |                                                | 9  |
|      |               |               |     |     |     |       |           |               |         |                                                       |                                     |                                                | 10 |
|      |               |               |     |     |     |       |           |               |         |                                                       |                                     |                                                | 11 |
|      |               |               |     |     |     |       |           |               |         |                                                       |                                     |                                                | 12 |
|      |               |               |     |     |     |       |           |               |         |                                                       |                                     |                                                | 13 |
|      |               |               |     |     |     |       |           |               |         |                                                       |                                     |                                                | 14 |
|      |               |               |     |     |     |       |           | 14.90         | 141.10  |                                                       |                                     | COAL (Driller's Description)                   | 15 |
|      |               |               |     |     |     |       |           | 15.70         | 140.30  |                                                       |                                     | MUDSTONE (Driller's Description)               | 16 |
|      |               |               |     |     |     |       |           |               |         |                                                       |                                     |                                                | 17 |
|      |               |               |     |     |     |       |           | 17.50         | 138.50  |                                                       |                                     | Dark MUDSTONE (Driller's Description)          | 18 |
|      |               |               |     |     |     |       |           | 18.00         | 138.00  |                                                       |                                     | COAL (Driller's Description)                   | 19 |
|      |               |               |     |     |     |       |           | 18.20         | 137.80  |                                                       |                                     | MUDSTONE (Driller's Description)               | 20 |
|      |               |               |     |     |     |       |           | 19.00         | 137.00  |                                                       |                                     | COAL (Driller's Description)                   | 21 |
|      |               |               |     |     |     | 19.30 | 136.70    |               |         | MUDSTONE (Driller's Description)                      | 22                                  |                                                |    |
|      |               |               |     |     |     |       |           |               |         |                                                       | 23                                  |                                                |    |
|      |               |               |     |     |     | 21.10 | 134.90    |               |         | SANDSTONE with mudstone bands (Driller's Description) | 24                                  |                                                |    |
|      |               |               |     |     |     |       |           |               |         |                                                       | 25                                  |                                                |    |
|      |               |               |     |     |     |       |           |               |         |                                                       | 26                                  |                                                |    |
|      |               |               |     |     |     |       |           |               |         |                                                       | 27                                  |                                                |    |
|      |               |               |     |     |     |       |           |               |         |                                                       | 28                                  |                                                |    |
|      |               |               |     |     |     |       |           |               |         |                                                       | 29                                  |                                                |    |
|      |               |               |     |     |     | 30.00 | 126.00    |               |         | End of Borehole at 30.00 m                            | 30                                  |                                                |    |
|      |               |               |     |     |     |       |           |               |         |                                                       | 31                                  |                                                |    |
|      |               |               |     |     |     |       |           |               |         |                                                       | 32                                  |                                                |    |
|      |               |               |     |     |     |       |           |               |         |                                                       | 33                                  |                                                |    |
|      |               |               |     |     |     |       |           |               |         |                                                       | 34                                  |                                                |    |
|      |               |               |     |     |     |       |           |               |         |                                                       | 35                                  |                                                |    |
|      |               |               |     |     |     |       |           |               |         |                                                       | 36                                  |                                                |    |
|      |               |               |     |     |     |       |           |               |         |                                                       | 37                                  |                                                |    |
|      |               |               |     |     |     |       |           |               |         |                                                       | 38                                  |                                                |    |
|      |               |               |     |     |     |       |           |               |         |                                                       | 39                                  |                                                |    |
|      |               |               |     |     |     |       |           |               |         |                                                       | 40                                  |                                                |    |

|                                                                                           |  |  |  |                                                                                                                                                                                                           |  |  |  |                                                                                                                                        |  |  |  |                                                                                       |  |
|-------------------------------------------------------------------------------------------|--|--|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|----------------------------------------------------------------------------------------------------------------------------------------|--|--|--|---------------------------------------------------------------------------------------|--|
| <b>Remarks:</b><br>1. Rotary open probehole from GL to 30.0m<br>2. Probehole noted as wet |  |  |  | <b>Key:</b><br>D - Small disturbed sample<br>B - Bulk disturbed sample<br>ES - Environmental soil sample<br>SPT - Standard Penetration Test (split spoon)<br>CPT - Standard Penetration Test (solid cone) |  |  |  | W - Water sample<br>U - Undisturbed sample<br>TCR - Total Core Recovery<br>SCR - Solid Core Recovery<br>RQD - Rock Quality Designation |  |  |  |  |  |
|-------------------------------------------------------------------------------------------|--|--|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|----------------------------------------------------------------------------------------------------------------------------------------|--|--|--|---------------------------------------------------------------------------------------|--|

|                                                                                  |  |                                                                                                                                                      |  |                                         |  |  |  |                                            |  |                                              |  |
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|  |  | Integral House, 7 Beddau Way<br>Castlegate Business Park<br>Caerphilly CF83 2AX<br>Tel. 029 20807991<br>Fax. 029 20862176<br>mail@integralgeotec.com |  | Project Name:<br><b>Dragon Parc</b>     |  |  |  | Project No.:<br><b>12392</b>               |  | Borehole No.:<br><b>PH16</b><br>Sheet 1 of 1 |  |
| Location:<br><b>Merthyr Tydfil</b>                                               |  |                                                                                                                                                      |  | Client: <b>Huntley Wood Investments</b> |  |  |  | Coordinates:<br>305472.00mE<br>204413.00mN |  | Hole Type:<br><b>RO</b>                      |  |
| Equipment: <b>Klemm 802</b>                                                      |  |                                                                                                                                                      |  | Diameter of Casing: <b>150mm</b>        |  |  |  | Level: <b>157.00mAOD</b>                   |  | Scale<br><b>1:200</b>                        |  |
| Diameter of Boring: <b>142mm</b>                                                 |  |                                                                                                                                                      |  | Depth of Casing: <b>25.50m</b>          |  |  |  | Dates<br>28/03/2019 - 29/03/2019           |  | Logged By:<br><b>DT</b>                      |  |

| Well                                                                               | Water Strikes | Rotary Coring |     |     |     |    | Depth (m) | Level (m AOD) | N Value | Legend | Stratum Description                 |                                                         |    |
|------------------------------------------------------------------------------------|---------------|---------------|-----|-----|-----|----|-----------|---------------|---------|--------|-------------------------------------|---------------------------------------------------------|----|
|                                                                                    |               | Depth (m)     | TCR | SCR | RQD | FI |           |               |         |        |                                     |                                                         |    |
|  |               |               |     |     |     |    |           |               |         |        | MADE GROUND (Driller's Description) | 1                                                       |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                     | 2                                                       |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                     | 3                                                       |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                     | 4                                                       |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                     | 5                                                       |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                     | 6                                                       |    |
|                                                                                    |               | 7.00          |     |     |     |    |           | 150.00        |         |        |                                     | TILL (Driller's Description)                            | 7  |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                     | 8                                                       |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                     | 9                                                       |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                     | 10                                                      |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                     | 11                                                      |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                     | 12                                                      |    |
|                                                                                    |               | 12.50         |     |     |     |    |           | 144.50        |         |        |                                     | SANDS and GRAVEL (silt) (wet) (Driller's Description)   | 13 |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                     | 14                                                      |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                     | 15                                                      |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                     | 16                                                      |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                     | 17                                                      |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                     | 18                                                      |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                     | 19                                                      |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                     | 20                                                      |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                     | 21                                                      |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                     | 22                                                      |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                     | 23                                                      |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                     | 24                                                      |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                     | 25                                                      |    |
|                                                                                    |               | 25.50         |     |     |     |    |           | 131.50        |         |        |                                     | SILT and SAND (excessive water) (Driller's Description) | 26 |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                     | 27                                                      |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                     | 28                                                      |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                     | 29                                                      |    |
|                                                                                    |               | 30.00         |     |     |     |    |           | 127.00        |         |        |                                     | End of Borehole at 30.00 m                              | 30 |
|                                                                                    |               |               |     |     |     |    |           |               |         | 31     |                                     |                                                         |    |
|                                                                                    |               |               |     |     |     |    |           |               |         | 32     |                                     |                                                         |    |
|                                                                                    |               |               |     |     |     |    |           |               |         | 33     |                                     |                                                         |    |
|                                                                                    |               |               |     |     |     |    |           |               |         | 34     |                                     |                                                         |    |
|                                                                                    |               |               |     |     |     |    |           |               |         | 35     |                                     |                                                         |    |
|                                                                                    |               |               |     |     |     |    |           |               |         | 36     |                                     |                                                         |    |
|                                                                                    |               |               |     |     |     |    |           |               |         | 37     |                                     |                                                         |    |
|                                                                                    |               |               |     |     |     |    |           |               |         | 38     |                                     |                                                         |    |
|                                                                                    |               |               |     |     |     |    |           |               |         | 39     |                                     |                                                         |    |
|                                                                                    |               |               |     |     |     |    |           |               |         | 40     |                                     |                                                         |    |

|                                                                                                                                      |  |  |  |                                                                                                                                                                                                           |  |  |  |                                                                                                                                        |  |  |  |                                                                                       |  |
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| <b>Remarks:</b><br>1. Rotary open probehole from GL to 30.0m<br>2. Probehole noted as wet from 12.5m and excessive water from 22.5m. |  |  |  | <b>Key:</b><br>D - Small disturbed sample<br>B - Bulk disturbed sample<br>ES - Environmental soil sample<br>SPT - Standard Penetration Test (split spoon)<br>CPT - Standard Penetration Test (solid cone) |  |  |  | W - Water sample<br>U - Undisturbed sample<br>TCR - Total Core Recovery<br>SCR - Solid Core Recovery<br>RQD - Rock Quality Designation |  |  |  |  |  |
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|                                                                                  |  |                                                                                                                                                      |  |                                         |  |  |  |                                            |  |                                              |  |
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|  |  | Integral House, 7 Beddau Way<br>Castlegate Business Park<br>Caerphilly CF83 2AX<br>Tel. 029 20807991<br>Fax. 029 20862176<br>mail@integralgeotec.com |  | Project Name:<br><b>Dragon Parc</b>     |  |  |  | Project No.:<br><b>12392</b>               |  | Borehole No.:<br><b>PH17</b><br>Sheet 1 of 1 |  |
| Location:<br><b>Merthyr Tydfil</b>                                               |  |                                                                                                                                                      |  | Client: <b>Huntley Wood Investments</b> |  |  |  | Coordinates:<br>305399.00mE<br>204456.00mN |  | Hole Type:<br><b>RO</b>                      |  |
| Equipment: <b>Klemm 802</b>                                                      |  |                                                                                                                                                      |  | Diameter of Casing: <b>150mm</b>        |  |  |  | Level: <b>159.00mAOD</b>                   |  | Scale<br><b>1:200</b>                        |  |
| Diameter of Boring: <b>142mm</b>                                                 |  |                                                                                                                                                      |  | Depth of Casing: <b>15.00m</b>          |  |  |  | Dates<br>01/04/2019 - 01/04/2019           |  | Logged By:<br><b>DT</b>                      |  |

| Well | Water Strikes | Rotary Coring |     |     |     |    | Depth (m) | Level (m AOD) | N Value | Legend | Stratum Description          |        |                                                  |    |
|------|---------------|---------------|-----|-----|-----|----|-----------|---------------|---------|--------|------------------------------|--------|--------------------------------------------------|----|
|      |               | Depth (m)     | TCR | SCR | RQD | FI |           |               |         |        |                              |        |                                                  |    |
|      |               |               |     |     |     |    |           |               |         |        | Fill (Driller's Description) | 1      |                                                  |    |
|      |               |               |     |     |     |    |           |               |         |        | 2                            |        |                                                  |    |
|      |               |               |     |     |     |    |           |               |         |        | 3                            |        |                                                  |    |
|      |               |               |     |     |     |    |           |               |         |        | 4                            |        |                                                  |    |
|      |               |               |     |     |     |    |           |               |         |        | 4.90                         | 154.10 | SILTY SANDY GRAVEL (Driller's Description)       | 5  |
|      |               |               |     |     |     |    |           |               |         |        | 6                            |        |                                                  |    |
|      |               |               |     |     |     |    |           |               |         |        | 7                            |        |                                                  |    |
|      |               |               |     |     |     |    |           |               |         |        | 8                            |        |                                                  |    |
|      |               |               |     |     |     |    |           |               |         |        | 9                            |        |                                                  |    |
|      |               |               |     |     |     |    |           |               |         |        | 10                           |        |                                                  |    |
|      |               |               |     |     |     |    |           |               |         |        | 11                           |        |                                                  |    |
|      |               |               |     |     |     |    |           |               |         |        | 12                           |        |                                                  |    |
|      |               |               |     |     |     |    |           |               |         |        | 13                           |        |                                                  |    |
|      |               |               |     |     |     |    |           |               |         |        | 14                           |        |                                                  |    |
|      |               |               |     |     |     |    |           |               |         |        | 14.80                        | 144.20 | MUDSTONE (Driller's Description)                 | 15 |
|      |               |               |     |     |     |    |           |               |         |        | 16                           |        |                                                  |    |
|      |               |               |     |     |     |    |           |               |         |        | 17                           |        |                                                  |    |
|      |               |               |     |     |     |    |           |               |         |        | 18                           |        |                                                  |    |
|      |               |               |     |     |     |    |           |               |         |        | 19                           |        |                                                  |    |
|      |               |               |     |     |     |    |           |               |         |        | 20                           |        |                                                  |    |
|      |               |               |     |     |     |    |           |               |         |        | 21.00                        | 138.00 | COAL with MUDSTONE bands (Driller's Description) | 21 |
|      |               |               |     |     |     |    |           |               |         |        | 21.80                        | 137.20 | SANDSTONE and MUDSTONE (Driller's Description)   | 22 |
|      |               |               |     |     |     |    |           |               |         |        | 23                           |        |                                                  |    |
|      |               |               |     |     |     |    |           |               |         |        | 24                           |        |                                                  |    |
|      |               |               |     |     |     |    |           |               |         |        | 25                           |        |                                                  |    |
|      |               |               |     |     |     |    |           |               |         |        | 26                           |        |                                                  |    |
|      |               |               |     |     |     |    |           |               |         |        | 27                           |        |                                                  |    |
|      |               |               |     |     |     |    |           |               |         |        | 28                           |        |                                                  |    |
|      |               |               |     |     |     |    |           |               |         |        | 29                           |        |                                                  |    |
|      |               |               |     |     |     |    |           |               |         |        | 30.00                        | 129.00 | End of Borehole at 30.00 m                       | 30 |
| 31   |               |               |     |     |     |    |           |               |         |        |                              |        |                                                  |    |
| 32   |               |               |     |     |     |    |           |               |         |        |                              |        |                                                  |    |
| 33   |               |               |     |     |     |    |           |               |         |        |                              |        |                                                  |    |
| 34   |               |               |     |     |     |    |           |               |         |        |                              |        |                                                  |    |
| 35   |               |               |     |     |     |    |           |               |         |        |                              |        |                                                  |    |
| 36   |               |               |     |     |     |    |           |               |         |        |                              |        |                                                  |    |
| 37   |               |               |     |     |     |    |           |               |         |        |                              |        |                                                  |    |
| 38   |               |               |     |     |     |    |           |               |         |        |                              |        |                                                  |    |
| 39   |               |               |     |     |     |    |           |               |         |        |                              |        |                                                  |    |
| 40   |               |               |     |     |     |    |           |               |         |        |                              |        |                                                  |    |

|                                                              |  |  |  |                                                                                                                                                                                                           |  |  |  |                                                                                                                                        |  |  |  |                                                                                       |  |
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| <b>Remarks:</b><br>1. Rotary open probehole from GL to 30.0m |  |  |  | <b>Key:</b><br>D - Small disturbed sample<br>B - Bulk disturbed sample<br>ES - Environmental soil sample<br>SPT - Standard Penetration Test (split spoon)<br>CPT - Standard Penetration Test (solid cone) |  |  |  | W - Water sample<br>U - Undisturbed sample<br>TCR - Total Core Recovery<br>SCR - Solid Core Recovery<br>RQD - Rock Quality Designation |  |  |  |  |  |
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|                                                                                  |  |                                                                                                                                                      |  |                                         |  |  |  |                                            |  |                                              |  |
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|  |  | Intégral House, 7 Beddau Way<br>Castlegate Business Park<br>Caerphilly CF83 2AX<br>Tel. 029 20807991<br>Fax. 029 20862176<br>mail@integralgeotec.com |  | Project Name:<br><b>Dragon Parc</b>     |  |  |  | Project No.:<br><b>12392</b>               |  | Borehole No.:<br><b>PH18</b><br>Sheet 1 of 1 |  |
| Location:<br><b>Merthyr Tydfil</b>                                               |  |                                                                                                                                                      |  | Client: <b>Huntley Wood Investments</b> |  |  |  | Coordinates:<br>305350.00mE<br>204451.00mN |  | Hole Type:<br><b>RO</b>                      |  |
| Equipment: <b>Klemm 802</b>                                                      |  |                                                                                                                                                      |  | Diameter of Casing: <b>150mm</b>        |  |  |  | Level: <b>157.00mAOD</b>                   |  | Scale<br><b>1:200</b>                        |  |
| Diameter of Boring: <b>142mm</b>                                                 |  |                                                                                                                                                      |  | Depth of Casing: <b>10.00m</b>          |  |  |  | Dates<br>01/04/2019 - 01/04/2019           |  | Logged By:<br><b>DT</b>                      |  |

| Well                                                                               | Water Strikes | Rotary Coring |     |     |     |       | Depth (m) | Level (m AOD) | N Value | Legend | Stratum Description                                    |    |
|------------------------------------------------------------------------------------|---------------|---------------|-----|-----|-----|-------|-----------|---------------|---------|--------|--------------------------------------------------------|----|
|                                                                                    |               | Depth (m)     | TCR | SCR | RQD | FI    |           |               |         |        |                                                        |    |
|  |               |               |     |     |     |       |           |               |         |        | FILL (Driller's Description)                           | 1  |
|                                                                                    |               |               |     |     |     |       |           |               |         |        |                                                        | 2  |
|                                                                                    |               |               |     |     |     |       |           |               |         |        |                                                        | 3  |
|                                                                                    |               |               |     |     |     |       |           |               |         |        |                                                        | 4  |
|                                                                                    |               |               |     |     |     |       | 5.00      | 152.00        |         |        |                                                        | 5  |
|                                                                                    |               |               |     |     |     |       |           |               |         |        |                                                        | 6  |
|                                                                                    |               |               |     |     |     |       |           |               |         |        |                                                        | 7  |
|                                                                                    |               |               |     |     |     |       |           |               |         |        |                                                        | 8  |
|                                                                                    |               |               |     |     |     |       |           |               |         |        |                                                        | 9  |
|                                                                                    |               |               |     |     |     |       | 10.00     | 147.00        |         |        |                                                        | 10 |
|                                                                                    |               |               |     |     |     |       |           |               |         |        |                                                        | 11 |
|                                                                                    |               |               |     |     |     |       |           |               |         |        |                                                        | 12 |
|                                                                                    |               |               |     |     |     |       |           |               |         |        |                                                        | 13 |
|                                                                                    |               |               |     |     |     |       |           |               |         |        |                                                        | 14 |
|                                                                                    |               |               |     |     |     |       |           |               |         |        |                                                        | 15 |
|                                                                                    |               |               |     |     |     |       |           |               |         |        |                                                        | 16 |
|                                                                                    |               |               |     |     |     |       |           |               |         |        |                                                        | 17 |
|                                                                                    |               |               |     |     |     |       |           |               |         |        |                                                        | 18 |
|                                                                                    |               |               |     |     |     |       |           |               |         |        |                                                        | 19 |
|                                                                                    |               |               |     |     |     |       |           |               |         |        |                                                        | 20 |
|                                                                                    |               |               |     |     |     | 20.50 | 136.50    |               |         |        | DARK MUDSTONE with COAL TRACES (Driller's Description) | 21 |
|                                                                                    |               |               |     |     |     | 21.10 | 135.90    |               |         |        | SANDSTONE with MUDSTONE BANDS (Driller's Description)  | 22 |
|                                                                                    |               |               |     |     |     |       |           |               |         |        |                                                        | 23 |
|                                                                                    |               |               |     |     |     |       |           |               |         |        |                                                        | 24 |
|                                                                                    |               |               |     |     |     |       |           |               |         |        |                                                        | 25 |
|                                                                                    |               |               |     |     |     |       |           |               |         |        |                                                        | 26 |
|                                                                                    |               |               |     |     |     |       |           |               |         |        |                                                        | 27 |
|                                                                                    |               |               |     |     |     |       |           |               |         |        |                                                        | 28 |
|                                                                                    |               |               |     |     |     |       |           |               |         |        |                                                        | 29 |
|                                                                                    |               |               |     |     |     | 30.00 | 127.00    |               |         |        | End of Borehole at 30.00 m                             | 30 |
|                                                                                    |               |               |     |     |     |       |           |               |         |        |                                                        | 31 |
|                                                                                    |               |               |     |     |     |       |           |               |         |        |                                                        | 32 |
|                                                                                    |               |               |     |     |     |       |           |               |         |        |                                                        | 33 |
|                                                                                    |               |               |     |     |     |       |           |               |         |        |                                                        | 34 |
|                                                                                    |               |               |     |     |     |       |           |               |         |        |                                                        | 35 |
|                                                                                    |               |               |     |     |     |       |           |               |         |        |                                                        | 36 |
|                                                                                    |               |               |     |     |     |       |           |               |         |        |                                                        | 37 |
|                                                                                    |               |               |     |     |     |       |           |               |         |        |                                                        | 38 |
|                                                                                    |               |               |     |     |     |       |           |               |         |        |                                                        | 39 |
|                                                                                    |               |               |     |     |     |       |           |               |         |        |                                                        | 40 |

|                                                                                                                               |  |  |  |                                                                                                                                                                                                           |  |  |  |                                                                                                                                        |  |  |  |                                                                                       |  |
|-------------------------------------------------------------------------------------------------------------------------------|--|--|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|----------------------------------------------------------------------------------------------------------------------------------------|--|--|--|---------------------------------------------------------------------------------------|--|
| <b>Remarks:</b><br>1. Rotary open probehole from GL to 30.0m<br>2. Probehole noted as wet<br>3. Gas monitoring well installed |  |  |  | <b>Key:</b><br>D - Small disturbed sample<br>B - Bulk disturbed sample<br>ES - Environmental soil sample<br>SPT - Standard Penetration Test (split spoon)<br>CPT - Standard Penetration Test (solid cone) |  |  |  | W - Water sample<br>U - Undisturbed sample<br>TCR - Total Core Recovery<br>SCR - Solid Core Recovery<br>RQD - Rock Quality Designation |  |  |  |  |  |
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|                                                                                  |  |                                                                                                                                                      |  |                                         |  |  |  |                                            |  |                                              |  |
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|  |  | Integral House, 7 Beddau Way<br>Castlegate Business Park<br>Caerphilly CF83 2AX<br>Tel. 029 20807991<br>Fax. 029 20862176<br>mail@integralgeotec.com |  | Project Name:<br><b>Dragon Parc</b>     |  |  |  | Project No.:<br><b>12392</b>               |  | Borehole No.:<br><b>PH19</b><br>Sheet 1 of 1 |  |
| Location:<br><b>Merthyr Tydfil</b>                                               |  |                                                                                                                                                      |  | Client: <b>Huntley Wood Investments</b> |  |  |  | Coordinates:<br>305416.00mE<br>204477.00mN |  | Hole Type:<br><b>RO</b>                      |  |
| Equipment: <b>Klemm 802</b>                                                      |  |                                                                                                                                                      |  | Diameter of Casing: <b>150mm</b>        |  |  |  | Level: <b>160.00mAOD</b>                   |  | Scale<br><b>1:200</b>                        |  |
| Diameter of Boring: <b>142mm</b>                                                 |  |                                                                                                                                                      |  | Depth of Casing: <b>15.00m</b>          |  |  |  | Dates<br>29/03/2019 - 29/03/2019           |  | Logged By:<br><b>DT</b>                      |  |

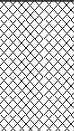
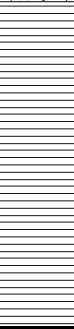
| Well                                                                               | Water Strikes | Rotary Coring |     |     |     |    | Depth (m) | Level (m AOD) | N Value | Legend | Stratum Description                 |                                          |                            |    |
|------------------------------------------------------------------------------------|---------------|---------------|-----|-----|-----|----|-----------|---------------|---------|--------|-------------------------------------|------------------------------------------|----------------------------|----|
|                                                                                    |               | Depth (m)     | TCR | SCR | RQD | FI |           |               |         |        |                                     |                                          |                            |    |
|  |               |               |     |     |     |    |           |               |         |        | MADE GROUND (Driller's Description) | 1                                        |                            |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                     | 2                                        |                            |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                     | 3                                        |                            |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                     | 4                                        |                            |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                     | 5                                        |                            |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                     | 6                                        |                            |    |
|                                                                                    |               | 7.00          |     |     |     |    |           | 153.00        |         |        |                                     | TILL (Driller's Description)             | 7                          |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                     | 8                                        |                            |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                     | 9                                        |                            |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                     | 10                                       |                            |    |
|                                                                                    |               | 11.00         |     |     |     |    |           | 149.00        |         |        |                                     | SANDS and GRAVEL (Driller's Description) | 11                         |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                     | 12                                       |                            |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                     | 13                                       |                            |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                     | 14                                       |                            |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                     | 15                                       |                            |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                     | 16                                       |                            |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                     | 17                                       |                            |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                     | 18                                       |                            |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                     | 19                                       |                            |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                     | 20                                       |                            |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                     | 21                                       |                            |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                     | 22                                       |                            |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                     | 23                                       |                            |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                     | 24                                       |                            |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                     | 25                                       |                            |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                     | 26                                       |                            |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                     | 27                                       |                            |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                     | 28                                       |                            |    |
|                                                                                    |               | 30.00         |     |     |     |    |           | 130.00        |         |        |                                     |                                          | End of Borehole at 30.00 m | 29 |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                     |                                          | 30                         |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        | 31                                  |                                          |                            |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        | 32                                  |                                          |                            |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        | 33                                  |                                          |                            |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        | 34                                  |                                          |                            |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        | 35                                  |                                          |                            |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        | 36                                  |                                          |                            |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        | 37                                  |                                          |                            |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        | 38                                  |                                          |                            |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        | 39                                  |                                          |                            |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |        | 40                                  |                                          |                            |    |

|                                                                                           |  |  |  |                                                                                                                                                                                                           |  |  |  |                                                                                                                                        |  |  |  |                                                                                       |  |
|-------------------------------------------------------------------------------------------|--|--|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|----------------------------------------------------------------------------------------------------------------------------------------|--|--|--|---------------------------------------------------------------------------------------|--|
| <b>Remarks:</b><br>1. Rotary open probehole from GL to 30.0m<br>2. Probehole noted as wet |  |  |  | <b>Key:</b><br>D - Small disturbed sample<br>B - Bulk disturbed sample<br>ES - Environmental soil sample<br>SPT - Standard Penetration Test (split spoon)<br>CPT - Standard Penetration Test (solid cone) |  |  |  | W - Water sample<br>U - Undisturbed sample<br>TCR - Total Core Recovery<br>SCR - Solid Core Recovery<br>RQD - Rock Quality Designation |  |  |  |  |  |
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|                                                                                  |  |                                                                                                                                                      |  |                                                 |  |  |  |                              |  |                                               |  |
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|  |  | Integral House, 7 Beddau Way<br>Castlegate Business Park<br>Caerphilly CF83 2AX<br>Tel. 029 20807991<br>Fax. 029 20862176<br>mail@integralgeotec.com |  | Project Name:<br><b>Dragon Parc, Abercanaid</b> |  |  |  | Project No.:<br><b>12888</b> |  | Borehole No.:<br><b>PH101</b><br>Sheet 1 of 1 |  |
| Location:<br><b>Merthyr Tydfil</b>                                               |  |                                                                                                                                                      |  | Client: <b>Davies Homes</b>                     |  |  |  | Coordinates:                 |  | Hole Type:<br><b>RO</b>                       |  |
| Equipment: <b>Klemm</b>                                                          |  |                                                                                                                                                      |  | Diameter of Casing: <b>115mm</b>                |  |  |  | Level:                       |  | Scale<br><b>1:200</b>                         |  |
| Diameter of Boring: <b>115mm</b>                                                 |  |                                                                                                                                                      |  | Depth of Casing: <b>15.00m</b>                  |  |  |  | Dates<br><b>04/08/2021 -</b> |  | Logged By:<br><b>Apex</b>                     |  |

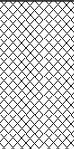
| Well                                                                                | Water Strikes                         | Rotary Coring |     |     |     |    | Depth (m) | Level (m AOD) | N Value | Legend                                                                              | Stratum Description                                                                 |                                                                                     |                                  |
|-------------------------------------------------------------------------------------|---------------------------------------|---------------|-----|-----|-----|----|-----------|---------------|---------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------------------------|
|                                                                                     |                                       | Depth (m)     | TCR | SCR | RQD | FI |           |               |         |                                                                                     |                                                                                     |                                                                                     |                                  |
|   |                                       |               |     |     |     |    | 3.50      |               |         |    | Made Ground (Driller's Description)                                                 | 1                                                                                   |                                  |
|                                                                                     |                                       |               |     |     |     |    |           |               |         |                                                                                     | 2                                                                                   |                                                                                     |                                  |
|                                                                                     |                                       |               |     |     |     |    |           |               |         |                                                                                     | 3                                                                                   |                                                                                     |                                  |
|                                                                                     |                                       |               |     |     |     |    |           |               |         |                                                                                     |   | Sand and Gravel (Driller's Description)                                             | 4                                |
|                                                                                     |                                       |               |     |     |     |    |           |               |         |                                                                                     |                                                                                     | 5                                                                                   |                                  |
|                                                                                     |                                       |               |     |     |     |    |           |               |         |                                                                                     |                                                                                     | 6                                                                                   |                                  |
|                                                                                     |                                       |               |     |     |     |    |           |               |         |                                                                                     |                                                                                     | 7                                                                                   |                                  |
|                                                                                     |                                       |               |     |     |     |    |           |               |         |                                                                                     |                                                                                     | 8                                                                                   |                                  |
|                                                                                     |                                       |               |     |     |     |    |           |               |         |                                                                                     |                                                                                     | 9                                                                                   |                                  |
|                                                                                     |                                       |               |     |     |     |    |           |               |         |                                                                                     |                                                                                     | 10                                                                                  |                                  |
|                                                                                     |                                       |               |     |     |     |    |           |               |         |                                                                                     |                                                                                     | 11                                                                                  |                                  |
|                                                                                     |                                       |               |     |     |     |    |           |               |         |                                                                                     |                                                                                     | 12                                                                                  |                                  |
|                                                                                     |                                       |               |     |     |     |    |           |               |         |                                                                                     |                                                                                     | 13                                                                                  |                                  |
|                                                                                     |                                       |               |     |     |     |    |           |               |         |                                                                                     |                                                                                     | 14                                                                                  |                                  |
|                                                                                     |                                       |               |     |     |     |    |           |               |         |                                                                                     |                                                                                     |  | Mudstone (Driller's Description) |
|                                                                                     |                                       |               |     |     |     |    |           |               |         |                                                                                     | 16                                                                                  |                                                                                     |                                  |
|                                                                                     |                                       |               |     |     |     |    |           |               |         |                                                                                     | 17                                                                                  |                                                                                     |                                  |
|                                                                                     |                                       |               |     |     |     |    |           |               |         |                                                                                     | 18                                                                                  |                                                                                     |                                  |
|                                                                                     |                                       |               |     |     |     |    |           |               |         |                                                                                     | 19                                                                                  |                                                                                     |                                  |
|                                                                                     |                                       |               |     |     |     |    |           |               |         |                                                                                     | 20                                                                                  |                                                                                     |                                  |
|                                                                                     |                                       |               |     |     |     |    |           |               |         |                                                                                     | 21                                                                                  |                                                                                     |                                  |
|                                                                                     |                                       |               |     |     |     |    |           |               |         |                                                                                     | 22                                                                                  |                                                                                     |                                  |
|                                                                                     |                                       |               |     |     |     |    |           |               |         |                                                                                     | 23                                                                                  |                                                                                     |                                  |
|                                                                                     |                                       |               |     |     |     |    |           |               |         |                                                                                     | 24                                                                                  |                                                                                     |                                  |
|                                                                                     |                                       |               |     |     |     |    |           |               |         |                                                                                     | 25                                                                                  |                                                                                     |                                  |
|                                                                                     |                                       |               |     |     |     |    |           |               |         |                                                                                     |  |                                                                                     | Coal (Driller's Description)     |
|                                                                                     |                                       |               |     |     |     |    |           |               |         |                                                                                     |                                                                                     | 24                                                                                  |                                  |
|                                                                                     |                                       |               |     |     |     |    |           |               |         |                                                                                     |                                                                                     | 25                                                                                  |                                  |
|                                                                                     |                                       |               |     |     |     |    |           |               |         |                                                                                     |                                                                                     | 26                                                                                  |                                  |
|                                                                                     |                                       |               |     |     |     |    |           |               |         |                                                                                     |                                                                                     | 27                                                                                  |                                  |
|  | Dark Mudstone (Driller's Description) | 24            |     |     |     |    |           |               |         |                                                                                     |                                                                                     |                                                                                     |                                  |
|                                                                                     | 25                                    |               |     |     |     |    |           |               |         |                                                                                     |                                                                                     |                                                                                     |                                  |
|                                                                                     | 26                                    |               |     |     |     |    |           |               |         |                                                                                     |                                                                                     |                                                                                     |                                  |
|  | Sandstone (Driller's Description)     | 26            |     |     |     |    |           |               |         |                                                                                     |                                                                                     |                                                                                     |                                  |
|                                                                                     | 27                                    |               |     |     |     |    |           |               |         |                                                                                     |                                                                                     |                                                                                     |                                  |
|                                                                                     | 28                                    |               |     |     |     |    |           |               |         |                                                                                     |                                                                                     |                                                                                     |                                  |
|                                                                                     |                                       |               |     |     |     |    | 30.00     |               |         |  | End of Borehole at 30.00 m                                                          | 29                                                                                  |                                  |
|                                                                                     |                                       |               |     |     |     |    |           |               |         |                                                                                     | 30                                                                                  |                                                                                     |                                  |
|                                                                                     |                                       |               |     |     |     |    |           |               |         |                                                                                     | 31                                                                                  |                                                                                     |                                  |
|                                                                                     |                                       |               |     |     |     |    |           |               |         |                                                                                     | 32                                                                                  |                                                                                     |                                  |
|                                                                                     |                                       |               |     |     |     |    |           |               |         |                                                                                     | 33                                                                                  |                                                                                     |                                  |
|                                                                                     |                                       |               |     |     |     |    |           |               |         |                                                                                     | 34                                                                                  |                                                                                     |                                  |
|                                                                                     |                                       |               |     |     |     |    |           |               |         |                                                                                     | 35                                                                                  |                                                                                     |                                  |
|                                                                                     |                                       |               |     |     |     |    |           |               |         |                                                                                     | 36                                                                                  |                                                                                     |                                  |
|                                                                                     |                                       |               |     |     |     |    |           |               |         |                                                                                     | 37                                                                                  |                                                                                     |                                  |
|                                                                                     |                                       |               |     |     |     |    |           |               |         |                                                                                     | 38                                                                                  |                                                                                     |                                  |
|                                                                                     |                                       |               |     |     |     |    |           |               |         |                                                                                     | 39                                                                                  |                                                                                     |                                  |
|                                                                                     |                                       |               |     |     |     |    |           |               |         |                                                                                     | 40                                                                                  |                                                                                     |                                  |

|                                                      |  |                                                                                                                                                                                                           |  |                                                                                                                                        |  |                                                                                       |
|------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|
| <b>Remarks:</b><br>1. Rotary open borehole to 30.0m. |  | <b>Key:</b><br>D - Small disturbed sample<br>B - Bulk disturbed sample<br>ES - Environmental soil sample<br>SPT - Standard Penetration Test (split spoon)<br>CPT - Standard Penetration Test (solid cone) |  | W - Water sample<br>U - Undisturbed sample<br>TCR - Total Core Recovery<br>SCR - Solid Core Recovery<br>RQD - Rock Quality Designation |  |  |
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|                                                                                  |  |                                                                                                                                                      |  |                                                 |  |                             |  |                              |  |                                               |  |
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|  |  | Integral House, 7 Beddau Way<br>Castlegate Business Park<br>Caerphilly CF83 2AX<br>Tel. 029 20807991<br>Fax. 029 20862176<br>mail@integralgeotec.com |  | Project Name:<br><b>Dragon Parc, Abercanaid</b> |  |                             |  | Project No.:<br><b>12888</b> |  | Borehole No.:<br><b>PH102</b><br>Sheet 1 of 1 |  |
|                                                                                  |  | Location:<br><b>Merthyr Tydfil</b>                                                                                                                   |  |                                                 |  | Client: <b>Davies Homes</b> |  |                              |  | Coordinates:                                  |  |
| Equipment: <b>Klemm</b>                                                          |  |                                                                                                                                                      |  | Diameter of Casing: <b>115mm</b>                |  |                             |  | Level:                       |  | Scale<br><b>1:200</b>                         |  |
| Diameter of Boring: <b>115mm</b>                                                 |  |                                                                                                                                                      |  | Depth of Casing: <b>21.00m</b>                  |  |                             |  | Dates<br><b>04/08/2021 -</b> |  | Logged By:<br><b>Apex</b>                     |  |

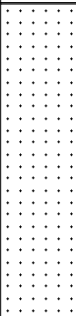
| Well                                                                               | Water Strikes | Rotary Coring |     |     |     |    | Depth (m) | Level (m AOD) | N Value | Legend                                                                            | Stratum Description                 |   |
|------------------------------------------------------------------------------------|---------------|---------------|-----|-----|-----|----|-----------|---------------|---------|-----------------------------------------------------------------------------------|-------------------------------------|---|
|                                                                                    |               | Depth (m)     | TCR | SCR | RQD | FI |           |               |         |                                                                                   |                                     |   |
|  |               |               |     |     |     |    | 4.00      |               |         |  | Made Ground (Driller's Description) | 1 |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 2                                   |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 3                                   |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 4                                   |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 5                                   |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 6                                   |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 7                                   |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 8                                   |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 9                                   |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 10                                  |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 11                                  |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 12                                  |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 13                                  |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 14                                  |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 15                                  |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 16                                  |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 17                                  |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 18                                  |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 19                                  |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 20                                  |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 21                                  |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 22                                  |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 23                                  |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 24                                  |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 25                                  |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 26                                  |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 27                                  |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 28                                  |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 29                                  |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 30                                  |   |
| 31                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                     |   |
| 32                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                     |   |
| 33                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                     |   |
| 34                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                     |   |
| 35                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                     |   |
| 36                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                     |   |
| 37                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                     |   |
| 38                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                     |   |
| 39                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                     |   |
| 40                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                     |   |

|                                              |  |  |  |  |  |                                                                                                                                                                                                    |  |  |  |  |  |                                                                                                                                        |  |  |  |  |  |                                                                                       |  |
|----------------------------------------------|--|--|--|--|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|----------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|---------------------------------------------------------------------------------------|--|
| Remarks:<br>1. Rotary open borehole to 30.0m |  |  |  |  |  | Key:<br>D - Small disturbed sample<br>B - Bulk disturbed sample<br>ES - Environmental soil sample<br>SPT - Standard Penetration Test (split spoon)<br>CPT - Standard Penetration Test (solid cone) |  |  |  |  |  | W - Water sample<br>U - Undisturbed sample<br>TCR - Total Core Recovery<br>SCR - Solid Core Recovery<br>RQD - Rock Quality Designation |  |  |  |  |  |  |  |
|----------------------------------------------|--|--|--|--|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|----------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|---------------------------------------------------------------------------------------|--|

|                                                                                  |  |                                                                                                                                                      |  |                                                 |  |  |  |                              |  |                                               |  |
|----------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------|--|--|--|------------------------------|--|-----------------------------------------------|--|
|  |  | Integral House, 7 Beddau Way<br>Castlegate Business Park<br>Caerphilly CF83 2AX<br>Tel. 029 20807991<br>Fax. 029 20862176<br>mail@integralgeotec.com |  | Project Name:<br><b>Dragon Parc, Abercanaid</b> |  |  |  | Project No.:<br><b>12888</b> |  | Borehole No.:<br><b>PH103</b><br>Sheet 1 of 1 |  |
| Location:<br><b>Merthyr Tydfil</b>                                               |  |                                                                                                                                                      |  | Client: <b>Davies Homes</b>                     |  |  |  | Coordinates:                 |  | Hole Type:<br><b>RO</b>                       |  |
| Equipment: <b>Klemm</b>                                                          |  |                                                                                                                                                      |  | Diameter of Casing: <b>115mm</b>                |  |  |  | Level:                       |  | Scale<br><b>1:200</b>                         |  |
| Diameter of Boring: <b>115mm</b>                                                 |  |                                                                                                                                                      |  | Depth of Casing: <b>12.00m</b>                  |  |  |  | Dates<br><b>04/08/2021 -</b> |  | Logged By:<br><b>Apex</b>                     |  |

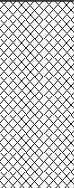
| Well                       | Water Strikes | Rotary Coring |     |     |     |    | Depth (m) | Level (m AOD) | N Value                                                                             | Legend                                                                            | Stratum Description                 |   |
|----------------------------|---------------|---------------|-----|-----|-----|----|-----------|---------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------|---|
|                            |               | Depth (m)     | TCR | SCR | RQD | FI |           |               |                                                                                     |                                                                                   |                                     |   |
|                            |               |               |     |     |     |    | 2.50      |               |                                                                                     |  | Made Ground (Driller's Description) | 1 |
|                            |               |               |     |     |     |    |           |               |                                                                                     |                                                                                   | 2                                   |   |
|                            |               |               |     |     |     |    |           |               |                                                                                     |                                                                                   | 3                                   |   |
|                            |               |               |     |     |     |    |           |               |                                                                                     |                                                                                   | 4                                   |   |
|                            |               |               |     |     |     |    |           |               |                                                                                     |                                                                                   | 5                                   |   |
|                            |               |               |     |     |     |    |           |               |                                                                                     |                                                                                   | 6                                   |   |
|                            |               |               |     |     |     |    |           |               |                                                                                     |                                                                                   | 7                                   |   |
|                            |               |               |     |     |     |    |           |               |                                                                                     |                                                                                   | 8                                   |   |
|                            |               |               |     |     |     |    |           |               |                                                                                     |                                                                                   | 9                                   |   |
|                            |               |               |     |     |     |    |           |               |                                                                                     |                                                                                   | 10                                  |   |
|                            |               |               |     |     |     |    |           |               |                                                                                     |                                                                                   | 11                                  |   |
|                            |               |               |     |     |     |    |           |               |                                                                                     |                                                                                   | 12                                  |   |
|                            |               |               |     |     |     |    |           |               |                                                                                     |                                                                                   | 13                                  |   |
|                            |               |               |     |     |     |    |           |               |                                                                                     |                                                                                   | 14                                  |   |
|                            |               |               |     |     |     |    |           |               |                                                                                     |                                                                                   |                                     |   |
| 16                         |               |               |     |     |     |    |           |               |                                                                                     |                                                                                   |                                     |   |
| 17                         |               |               |     |     |     |    |           |               |                                                                                     |                                                                                   |                                     |   |
| 18                         |               |               |     |     |     |    |           |               |                                                                                     |                                                                                   |                                     |   |
| 19                         |               |               |     |     |     |    |           |               |                                                                                     |                                                                                   |                                     |   |
| 20                         |               |               |     |     |     |    |           |               |                                                                                     |                                                                                   |                                     |   |
| 21                         |               |               |     |     |     |    |           |               |                                                                                     |                                                                                   |                                     |   |
| 22                         |               |               |     |     |     |    |           |               |                                                                                     |                                                                                   |                                     |   |
| 23                         |               |               |     |     |     |    |           |               |                                                                                     |                                                                                   |                                     |   |
| 24                         |               |               |     |     |     |    |           |               |                                                                                     |                                                                                   |                                     |   |
| 25                         |               |               |     |     |     |    |           |               |                                                                                     |                                                                                   |                                     |   |
| 26                         |               |               |     |     |     |    |           |               |                                                                                     |                                                                                   |                                     |   |
| 27                         |               |               |     |     |     |    |           |               |                                                                                     |                                                                                   |                                     |   |
| 28                         |               |               |     |     |     |    |           |               |                                                                                     |                                                                                   |                                     |   |
|                            |               |               |     |     |     |    | 11.80     |               |    | Till (Driller's Description)                                                      |                                     |   |
|                            |               |               |     |     |     |    |           |               |                                                                                     | 30                                                                                |                                     |   |
|                            |               |               |     |     |     |    |           |               |                                                                                     | 31                                                                                |                                     |   |
|                            |               |               |     |     |     |    |           |               |                                                                                     | 32                                                                                |                                     |   |
|                            |               |               |     |     |     |    |           |               |                                                                                     | 33                                                                                |                                     |   |
|                            |               |               |     |     |     |    |           |               |                                                                                     | 34                                                                                |                                     |   |
|                            |               |               |     |     |     |    |           |               |                                                                                     | 35                                                                                |                                     |   |
|                            |               |               |     |     |     |    |           |               |                                                                                     | 36                                                                                |                                     |   |
|                            |               |               |     |     |     |    |           |               |                                                                                     | 37                                                                                |                                     |   |
|                            |               |               |     |     |     |    |           |               |                                                                                     | 38                                                                                |                                     |   |
|                            |               |               |     |     |     |    |           |               |                                                                                     | 39                                                                                |                                     |   |
|                            |               |               |     |     |     |    |           |               |                                                                                     | 40                                                                                |                                     |   |
|                            |               |               |     |     |     |    |           |               |                                                                                     | 41                                                                                |                                     |   |
|                            |               |               |     |     |     |    |           |               |                                                                                     | 42                                                                                |                                     |   |
|                            |               |               |     |     |     |    |           |               |                                                                                     |                                                                                   |                                     |   |
| 44                         |               |               |     |     |     |    |           |               |                                                                                     |                                                                                   |                                     |   |
| 45                         |               |               |     |     |     |    |           |               |                                                                                     |                                                                                   |                                     |   |
| 46                         |               |               |     |     |     |    |           |               |                                                                                     |                                                                                   |                                     |   |
| 47                         |               |               |     |     |     |    |           |               |                                                                                     |                                                                                   |                                     |   |
| 48                         |               |               |     |     |     |    |           |               |                                                                                     |                                                                                   |                                     |   |
| 49                         |               |               |     |     |     |    |           |               |                                                                                     |                                                                                   |                                     |   |
| 50                         |               |               |     |     |     |    |           |               |                                                                                     |                                                                                   |                                     |   |
| 51                         |               |               |     |     |     |    |           |               |                                                                                     |                                                                                   |                                     |   |
| 52                         |               |               |     |     |     |    |           |               |                                                                                     |                                                                                   |                                     |   |
| 53                         |               |               |     |     |     |    |           |               |                                                                                     |                                                                                   |                                     |   |
| 54                         |               |               |     |     |     |    |           |               |                                                                                     |                                                                                   |                                     |   |
| 55                         |               |               |     |     |     |    |           |               |                                                                                     |                                                                                   |                                     |   |
| 56                         |               |               |     |     |     |    |           |               |                                                                                     |                                                                                   |                                     |   |
| 57                         |               |               |     |     |     |    |           |               |                                                                                     |                                                                                   |                                     |   |
|                            |               |               |     |     |     |    | 22.50     |               |   | Sandstone (Driller's Description)                                                 | 59                                  |   |
|                            |               |               |     |     |     |    |           |               |                                                                                     | 60                                                                                |                                     |   |
|                            |               |               |     |     |     |    |           |               |                                                                                     | 61                                                                                |                                     |   |
|                            |               |               |     |     |     |    |           |               |                                                                                     | 62                                                                                |                                     |   |
|                            |               |               |     |     |     |    |           |               |                                                                                     | 63                                                                                |                                     |   |
|                            |               |               |     |     |     |    |           |               |                                                                                     | 64                                                                                |                                     |   |
|                            |               |               |     |     |     |    |           |               |                                                                                     | 65                                                                                |                                     |   |
|                            |               |               |     |     |     |    |           |               |                                                                                     | 66                                                                                |                                     |   |
|                            |               |               |     |     |     |    |           |               |                                                                                     | 67                                                                                |                                     |   |
|                            |               |               |     |     |     |    |           |               |                                                                                     | 68                                                                                |                                     |   |
|                            |               |               |     |     |     |    |           |               |                                                                                     | 69                                                                                |                                     |   |
|                            |               |               |     |     |     |    |           |               |                                                                                     | 70                                                                                |                                     |   |
|                            |               |               |     |     |     |    |           |               |                                                                                     | 71                                                                                |                                     |   |
|                            |               |               |     |     |     |    |           |               |                                                                                     | 72                                                                                |                                     |   |
|                            |               |               |     |     |     |    |           |               |                                                                                     | 73                                                                                |                                     |   |
|                            |               |               |     |     |     |    | 23.50     |               |  | Coal (Driller's Description)                                                      | 75                                  |   |
|                            |               |               |     |     |     |    |           |               |                                                                                     | 76                                                                                |                                     |   |
|                            |               |               |     |     |     |    |           |               |                                                                                     | 77                                                                                |                                     |   |
|                            |               |               |     |     |     |    |           |               |                                                                                     | 78                                                                                |                                     |   |
|                            |               |               |     |     |     |    |           |               |                                                                                     | 79                                                                                |                                     |   |
|                            |               |               |     |     |     |    |           |               |                                                                                     | 80                                                                                |                                     |   |
|                            |               |               |     |     |     |    |           |               |                                                                                     | 81                                                                                |                                     |   |
|                            |               |               |     |     |     |    |           |               |                                                                                     | 82                                                                                |                                     |   |
|                            |               |               |     |     |     |    |           |               |                                                                                     | 83                                                                                |                                     |   |
|                            |               |               |     |     |     |    |           |               |                                                                                     | 84                                                                                |                                     |   |
|                            |               |               |     |     |     |    |           |               |                                                                                     | 85                                                                                |                                     |   |
|                            |               |               |     |     |     |    |           |               |                                                                                     | 86                                                                                |                                     |   |
|                            |               |               |     |     |     |    |           |               |                                                                                     | 87                                                                                |                                     |   |
|                            |               |               |     |     |     |    |           |               |                                                                                     | 88                                                                                |                                     |   |
|                            |               |               |     |     |     |    |           |               |                                                                                     | 89                                                                                |                                     |   |
|                            |               |               |     |     |     |    | 30.00     |               |  | Sandstone interbedded with mudstone                                               | 91                                  |   |
|                            |               |               |     |     |     |    |           |               |                                                                                     | 92                                                                                |                                     |   |
|                            |               |               |     |     |     |    |           |               |                                                                                     | 93                                                                                |                                     |   |
|                            |               |               |     |     |     |    |           |               |                                                                                     | 94                                                                                |                                     |   |
|                            |               |               |     |     |     |    |           |               |                                                                                     | 95                                                                                |                                     |   |
|                            |               |               |     |     |     |    |           |               |                                                                                     | 96                                                                                |                                     |   |
|                            |               |               |     |     |     |    |           |               |                                                                                     | 97                                                                                |                                     |   |
|                            |               |               |     |     |     |    |           |               |                                                                                     | 98                                                                                |                                     |   |
|                            |               |               |     |     |     |    |           |               |                                                                                     | 99                                                                                |                                     |   |
|                            |               |               |     |     |     |    |           |               |                                                                                     | 100                                                                               |                                     |   |
|                            |               |               |     |     |     |    |           |               |                                                                                     | 101                                                                               |                                     |   |
|                            |               |               |     |     |     |    |           |               |                                                                                     | 102                                                                               |                                     |   |
|                            |               |               |     |     |     |    |           |               |                                                                                     | 103                                                                               |                                     |   |
|                            |               |               |     |     |     |    |           |               |                                                                                     | 104                                                                               |                                     |   |
|                            |               |               |     |     |     |    |           |               |                                                                                     | 105                                                                               |                                     |   |
| End of Borehole at 30.00 m |               |               |     |     |     |    |           |               |                                                                                     |                                                                                   | 106                                 |   |

|                                                      |  |  |  |                                                                                                                                                                                                           |  |  |  |                                                                                                                                        |  |  |  |                                                                                       |  |
|------------------------------------------------------|--|--|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|----------------------------------------------------------------------------------------------------------------------------------------|--|--|--|---------------------------------------------------------------------------------------|--|
| <b>Remarks:</b><br>1. Rotary open borehole to 30.0m. |  |  |  | <b>Key:</b><br>D - Small disturbed sample<br>B - Bulk disturbed sample<br>ES - Environmental soil sample<br>SPT - Standard Penetration Test (split spoon)<br>CPT - Standard Penetration Test (solid cone) |  |  |  | W - Water sample<br>U - Undisturbed sample<br>TCR - Total Core Recovery<br>SCR - Solid Core Recovery<br>RQD - Rock Quality Designation |  |  |  |  |  |
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|                                                                                  |  |                                                                                                                                                      |  |                                                 |  |  |  |                              |  |                                               |  |
|----------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------|--|--|--|------------------------------|--|-----------------------------------------------|--|
|  |  | Integral House, 7 Beddau Way<br>Castlegate Business Park<br>Caerphilly CF83 2AX<br>Tel. 029 20807991<br>Fax. 029 20862176<br>mail@integralgeotec.com |  | Project Name:<br><b>Dragon Parc, Abercanaid</b> |  |  |  | Project No.:<br><b>12888</b> |  | Borehole No.:<br><b>PH104</b><br>Sheet 1 of 1 |  |
| Location:<br><b>Merthyr Tydfil</b>                                               |  |                                                                                                                                                      |  | Client: <b>Davies Homes</b>                     |  |  |  | Coordinates:                 |  | Hole Type:<br><b>RO</b>                       |  |
| Equipment: <b>Klemm</b>                                                          |  |                                                                                                                                                      |  | Diameter of Casing: <b>115mm</b>                |  |  |  | Level:                       |  | Scale<br><b>1:200</b>                         |  |
| Diameter of Boring: <b>115mm</b>                                                 |  |                                                                                                                                                      |  | Depth of Casing: <b>19.50m</b>                  |  |  |  | Dates<br><b>03/08/2021 -</b> |  | Logged By:<br><b>Apex</b>                     |  |

| Well                                                                               | Water Strikes | Rotary Coring |     |     |     |    | Depth (m) | Level (m AOD) | N Value | Legend                                                                             | Stratum Description                     |    |
|------------------------------------------------------------------------------------|---------------|---------------|-----|-----|-----|----|-----------|---------------|---------|------------------------------------------------------------------------------------|-----------------------------------------|----|
|                                                                                    |               | Depth (m)     | TCR | SCR | RQD | FI |           |               |         |                                                                                    |                                         |    |
|  |               |               |     |     |     |    |           |               |         |   | Made Ground (Driller's Description)     | 1  |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                    | 2                                       |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                    | 3                                       |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                    | 4                                       |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                    | 5                                       |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                    | 6                                       |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                    | 7                                       |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                    | 8                                       |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                    | 9                                       |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                    | 10                                      |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                    | 11                                      |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                    | 12                                      |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                    | 13                                      |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                    | 14                                      |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                    | 15                                      |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                    | 16                                      |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                    | 17                                      |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                    | 18                                      |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                    | 19                                      |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                    | 20                                      |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                    | 21                                      |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                    | 22                                      |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                    | 23                                      |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                    | 24                                      |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                    | 25                                      |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                    | 26                                      |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                    | 27                                      |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                    | 28                                      |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                    | 29                                      |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                    |                                         |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |  | Sand and Gravel (Driller's Description) | 31 |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                    |                                         | 32 |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                    |                                         | 33 |
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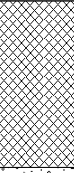
  

|                                                                          |  |  |  |                                                                                                                                                                                                           |  |  |  |                                                                                                                                        |  |  |  |                                                                                       |  |
|--------------------------------------------------------------------------|--|--|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|----------------------------------------------------------------------------------------------------------------------------------------|--|--|--|---------------------------------------------------------------------------------------|--|
| <b>Remarks:</b><br>1. Rotary open borehole to 30.0m.<br>2. Wet at 19.4m. |  |  |  | <b>Key:</b><br>D - Small disturbed sample<br>B - Bulk disturbed sample<br>ES - Environmental soil sample<br>SPT - Standard Penetration Test (split spoon)<br>CPT - Standard Penetration Test (solid cone) |  |  |  | W - Water sample<br>U - Undisturbed sample<br>TCR - Total Core Recovery<br>SCR - Solid Core Recovery<br>RQD - Rock Quality Designation |  |  |  |  |  |
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|                                                                                  |  |                                                                                                                                                      |  |                                                 |  |  |  |                              |  |                                               |  |
|----------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------|--|--|--|------------------------------|--|-----------------------------------------------|--|
|  |  | Integral House, 7 Beddau Way<br>Castlegate Business Park<br>Caerphilly CF83 2AX<br>Tel. 029 20807991<br>Fax. 029 20862176<br>mail@integralgeotec.com |  | Project Name:<br><b>Dragon Parc, Abercanaid</b> |  |  |  | Project No.:<br><b>12888</b> |  | Borehole No.:<br><b>PH105</b><br>Sheet 1 of 1 |  |
| Location:<br><b>Merthyr Tydfil</b>                                               |  |                                                                                                                                                      |  | Client: <b>Davies Homes</b>                     |  |  |  | Coordinates:                 |  | Hole Type:<br><b>RO</b>                       |  |
| Equipment: <b>Klemm</b>                                                          |  |                                                                                                                                                      |  | Diameter of Casing: <b>115mm</b>                |  |  |  | Level:                       |  | Scale<br><b>1:200</b>                         |  |
| Diameter of Boring: <b>115mm</b>                                                 |  |                                                                                                                                                      |  | Depth of Casing: <b>16.50m</b>                  |  |  |  | Dates<br><b>06/08/2021 -</b> |  | Logged By:<br><b>Apex</b>                     |  |

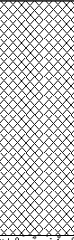
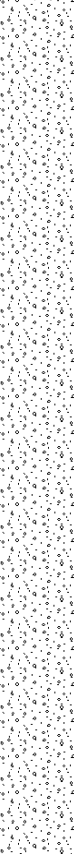
| Well                                                                                | Water Strikes                    | Rotary Coring |     |     |     |    | Depth (m) | Level (m AOD) | N Value | Legend                                                                            | Stratum Description                                                                 |                                         |    |
|-------------------------------------------------------------------------------------|----------------------------------|---------------|-----|-----|-----|----|-----------|---------------|---------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----------------------------------------|----|
|                                                                                     |                                  | Depth (m)     | TCR | SCR | RQD | FI |           |               |         |                                                                                   |                                                                                     |                                         |    |
|   |                                  |               |     |     |     |    | 4.40      |               |         |  | Made Ground (Driller's Description)                                                 | 1                                       |    |
|                                                                                     |                                  |               |     |     |     |    |           |               |         |                                                                                   | 2                                                                                   |                                         |    |
|                                                                                     |                                  |               |     |     |     |    |           |               |         |                                                                                   | 3                                                                                   |                                         |    |
|                                                                                     |                                  |               |     |     |     |    |           |               |         |                                                                                   | 4                                                                                   |                                         |    |
|                                                                                     |                                  |               |     |     |     |    |           |               |         |                                                                                   |   | Sand and Gravel (Driller's Description) | 5  |
|                                                                                     |                                  |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 6                                       |    |
|                                                                                     |                                  |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 7                                       |    |
|                                                                                     |                                  |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 8                                       |    |
|                                                                                     |                                  |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 9                                       |    |
|                                                                                     |                                  |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 10                                      |    |
|                                                                                     |                                  |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 11                                      |    |
|                                                                                     |                                  |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 12                                      |    |
|                                                                                     |                                  |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 13                                      |    |
|                                                                                     |                                  |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 14                                      |    |
|                                                                                     |                                  |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 15                                      |    |
|                                                                                     |                                  |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 16                                      |    |
|                                                                                     |                                  |               |     |     |     |    |           |               |         |                                                                                   |  | Sandstone (Driller's Description)       | 17 |
|                                                                                     |                                  |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 18                                      |    |
|                                                                                     |                                  |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 19                                      |    |
|                                                                                     |                                  |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 20                                      |    |
|                                                                                     |                                  |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 21                                      |    |
|                                                                                     |                                  |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 22                                      |    |
|                                                                                     |                                  |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 23                                      |    |
|                                                                                     |                                  |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 24                                      |    |
|                                                                                     |                                  |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 25                                      |    |
|                                                                                     |                                  |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 26                                      |    |
|                                                                                     |                                  |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 27                                      |    |
|                                                                                     |                                  |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 28                                      |    |
|                                                                                     |                                  |               |     |     |     |    |           |               |         |                                                                                   |  | Coal (Driller's Description)            | 29 |
|                                                                                     |                                  |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     |                                         |    |
|  | Mudstone (Driller's Description) | 30            |     |     |     |    |           |               |         |                                                                                   |                                                                                     |                                         |    |
|                                                                                     |                                  |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     |                                         |    |
|                                                                                     |                                  |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     |                                         |    |
|                                                                                     |                                  |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     |                                         |    |
|                                                                                     |                                  |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     |                                         |    |
|                                                                                     |                                  |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     |                                         |    |
|                                                                                     |                                  |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     |                                         |    |
|                                                                                     |                                  |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     |                                         |    |
|                                                                                     |                                  |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     |                                         |    |
|                                                                                     |                                  |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     |                                         |    |
|                                                                                     |                                  |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     |                                         |    |
|                                                                                     |                                  |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     |                                         |    |

|                                                      |  |  |  |                                                                                                                                                                                                           |  |  |  |                                                                                                                                        |  |  |  |                                                                                       |  |
|------------------------------------------------------|--|--|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|----------------------------------------------------------------------------------------------------------------------------------------|--|--|--|---------------------------------------------------------------------------------------|--|
| <b>Remarks:</b><br>1. Rotary open borehole to 30.0m. |  |  |  | <b>Key:</b><br>D - Small disturbed sample<br>B - Bulk disturbed sample<br>ES - Environmental soil sample<br>SPT - Standard Penetration Test (split spoon)<br>CPT - Standard Penetration Test (solid cone) |  |  |  | W - Water sample<br>U - Undisturbed sample<br>TCR - Total Core Recovery<br>SCR - Solid Core Recovery<br>RQD - Rock Quality Designation |  |  |  |  |  |
|------------------------------------------------------|--|--|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|----------------------------------------------------------------------------------------------------------------------------------------|--|--|--|---------------------------------------------------------------------------------------|--|

|                                                                                  |  |                                                                                                                                                      |  |                                                 |  |  |  |                              |  |                                               |  |
|----------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------|--|--|--|------------------------------|--|-----------------------------------------------|--|
|  |  | Intégral House, 7 Beddau Way<br>Castlegate Business Park<br>Caerphilly CF83 2AX<br>Tel. 029 20807991<br>Fax. 029 20862176<br>mail@integralgeotec.com |  | Project Name:<br><b>Dragon Parc, Abercanaid</b> |  |  |  | Project No.:<br><b>12888</b> |  | Borehole No.:<br><b>PH106</b><br>Sheet 1 of 1 |  |
| Location:<br><b>Merthyr Tydfil</b>                                               |  |                                                                                                                                                      |  | Client: <b>Davies Homes</b>                     |  |  |  | Coordinates:                 |  | Hole Type:<br><b>RO</b>                       |  |
| Equipment: <b>Klemm</b>                                                          |  |                                                                                                                                                      |  | Diameter of Casing: <b>115mm</b>                |  |  |  | Level:                       |  | Scale<br><b>1:200</b>                         |  |
| Diameter of Boring: <b>115mm</b>                                                 |  |                                                                                                                                                      |  | Depth of Casing: <b>28.50m</b>                  |  |  |  | Dates<br><b>05/08/2021 -</b> |  | Logged By:<br><b>Apex</b>                     |  |

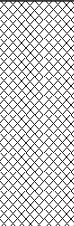
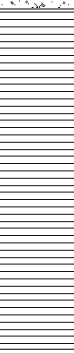
| Well                                                                               | Water Strikes | Rotary Coring |     |     |     |    | Depth (m) | Level (m AOD) | N Value | Legend                                                                            | Stratum Description                 |   |       |                                                                                    |                                                                                     |                                  |    |
|------------------------------------------------------------------------------------|---------------|---------------|-----|-----|-----|----|-----------|---------------|---------|-----------------------------------------------------------------------------------|-------------------------------------|---|-------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------------------------|----|
|                                                                                    |               | Depth (m)     | TCR | SCR | RQD | FI |           |               |         |                                                                                   |                                     |   |       |                                                                                    |                                                                                     |                                  |    |
|  |               |               |     |     |     |    | 6.20      |               |         |  | Made Ground (Driller's Description) | 1 |       |                                                                                    |                                                                                     |                                  |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                     |   |       |                                                                                    | 2                                                                                   |                                  |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                     |   |       |                                                                                    |                                                                                     | 3                                |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                     |   |       |                                                                                    |                                                                                     | 4                                |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                     |   |       |                                                                                    |                                                                                     | 5                                |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                     |   |       |                                                                                    |                                                                                     | 6                                |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                     |   |       |  | Sand and Gravel (Driller's Description)                                             | 7                                |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                     |   |       |                                                                                    |                                                                                     | 8                                |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                     |   |       |                                                                                    |                                                                                     | 9                                |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                     |   |       |                                                                                    |                                                                                     | 10                               |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                     |   |       |                                                                                    |                                                                                     | 11                               |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                     |   |       |                                                                                    |                                                                                     | 12                               |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                     |   |       |                                                                                    |                                                                                     | 13                               |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                     |   |       |                                                                                    |                                                                                     | 14                               |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                     |   |       |                                                                                    |                                                                                     | 15                               |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                     |   |       |                                                                                    |                                                                                     | 16                               |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                     |   |       |                                                                                    |                                                                                     | 17                               |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                     |   |       |                                                                                    |                                                                                     | 18                               |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                     |   |       |                                                                                    |                                                                                     | 19                               |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                     |   |       |                                                                                    |                                                                                     | 20                               |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                     |   |       |                                                                                    |                                                                                     | 21                               |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                     |   |       |                                                                                    |                                                                                     | 22                               |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                     |   |       |                                                                                    |                                                                                     | 23                               |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                     |   |       |                                                                                    |                                                                                     | 24                               |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                     |   |       |                                                                                    |                                                                                     | 25                               |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                     |   |       |                                                                                    |                                                                                     | 26                               |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                     |   |       |                                                                                    |                                                                                     | 27                               |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                     |   |       |                                                                                    |                                                                                     | 28                               |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                     |   | 28.90 |                                                                                    |  | Mudstone (Driller's Description) | 29 |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                     |   | 30.00 |                                                                                    |  | End of Borehole at 30.00 m       | 30 |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 31                                  |   |       |                                                                                    |                                                                                     |                                  |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 32                                  |   |       |                                                                                    |                                                                                     |                                  |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 33                                  |   |       |                                                                                    |                                                                                     |                                  |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 34                                  |   |       |                                                                                    |                                                                                     |                                  |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 35                                  |   |       |                                                                                    |                                                                                     |                                  |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 36                                  |   |       |                                                                                    |                                                                                     |                                  |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 37                                  |   |       |                                                                                    |                                                                                     |                                  |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 38                                  |   |       |                                                                                    |                                                                                     |                                  |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 39                                  |   |       |                                                                                    |                                                                                     |                                  |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 40                                  |   |       |                                                                                    |                                                                                     |                                  |    |

|                                                      |  |                                                                                                                                                                                                           |  |                                                                                                                                        |  |                                                                                       |
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| <b>Remarks:</b><br>1. Rotary open borehole to 30.0m. |  | <b>Key:</b><br>D - Small disturbed sample<br>B - Bulk disturbed sample<br>ES - Environmental soil sample<br>SPT - Standard Penetration Test (split spoon)<br>CPT - Standard Penetration Test (solid cone) |  | W - Water sample<br>U - Undisturbed sample<br>TCR - Total Core Recovery<br>SCR - Solid Core Recovery<br>RQD - Rock Quality Designation |  |  |
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|                                                                                                                                                                                                                                       |  |                                                 |  |  |  |                              |  |                                               |  |
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|  Integral House, 7 Beddau Way<br>Castlegate Business Park<br>Caerphilly CF83 2AX<br>Tel. 029 20807991<br>Fax. 029 20862176<br>mail@integralgeotec.com |  | Project Name:<br><b>Dragon Parc, Abercanaid</b> |  |  |  | Project No.:<br><b>12888</b> |  | Borehole No.:<br><b>PH107</b><br>Sheet 1 of 1 |  |
|                                                                                                                                                                                                                                       |  | Location:<br><b>Merthyr Tydfil</b>              |  |  |  | Client: <b>Davies Homes</b>  |  | Coordinates:                                  |  |
| Equipment: <b>Klemm</b>                                                                                                                                                                                                               |  | Diameter of Casing: <b>115mm</b>                |  |  |  | Level:                       |  | Hole Type:<br><b>RO</b>                       |  |
| Diameter of Boring: <b>115mm</b>                                                                                                                                                                                                      |  | Depth of Casing: <b>21.00m</b>                  |  |  |  | Dates<br><b>06/08/2021 -</b> |  | Logged By:<br><b>Apex</b>                     |  |

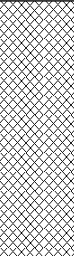
| Well                                                                               | Water Strikes | Rotary Coring |     |     |     |    | Depth (m) | Level (m AOD) | N Value | Legend                                                                            | Stratum Description                                                                 |                                                                                     |                              |
|------------------------------------------------------------------------------------|---------------|---------------|-----|-----|-----|----|-----------|---------------|---------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------|
|                                                                                    |               | Depth (m)     | TCR | SCR | RQD | FI |           |               |         |                                                                                   |                                                                                     |                                                                                     |                              |
|  |               |               |     |     |     |    | 6.00      |               |         |  | Made Ground (Driller's Description)                                                 | 1                                                                                   |                              |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 2                                                                                   |                                                                                     |                              |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 3                                                                                   |                                                                                     |                              |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 4                                                                                   |                                                                                     |                              |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 5                                                                                   |                                                                                     |                              |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 6                                                                                   |                                                                                     |                              |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |   | Sand and Gravel (Driller's Description)                                             | 7                            |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 8                                                                                   |                              |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 9                                                                                   |                              |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 10                                                                                  |                              |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 11                                                                                  |                              |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 12                                                                                  |                              |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 13                                                                                  |                              |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 14                                                                                  |                              |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 15                                                                                  |                              |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 16                                                                                  |                              |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 17                                                                                  |                              |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 18                                                                                  |                              |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 19                                                                                  |                              |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     |  | Till (Driller's Description) |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 21                                                                                  |                                                                                     |                              |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |  | Mudstone (Driller's Description)                                                    | 22                           |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 23                                                                                  |                              |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 24                                                                                  |                              |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 25                                                                                  |                              |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 26                                                                                  |                              |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 27                                                                                  |                              |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 28                                                                                  |                              |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 29                                                                                  |                              |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 30                                                                                  |                              |
| 31                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     |                                                                                     |                              |
| 32                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     |                                                                                     |                              |
| 33                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     |                                                                                     |                              |
| 34                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     |                                                                                     |                              |
| 35                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     |                                                                                     |                              |
| 36                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     |                                                                                     |                              |
| 37                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     |                                                                                     |                              |
| 38                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     |                                                                                     |                              |
| 39                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     |                                                                                     |                              |
| 40                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     |                                                                                     |                              |

|                                                      |  |                                                                                                                                                                                                           |  |                                                                                                                                        |  |                                                                                       |
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| <b>Remarks:</b><br>1. Rotary open borehole to 30.0m. |  | <b>Key:</b><br>D - Small disturbed sample<br>B - Bulk disturbed sample<br>ES - Environmental soil sample<br>SPT - Standard Penetration Test (split spoon)<br>CPT - Standard Penetration Test (solid cone) |  | W - Water sample<br>U - Undisturbed sample<br>TCR - Total Core Recovery<br>SCR - Solid Core Recovery<br>RQD - Rock Quality Designation |  |  |
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|                                                                                  |  |                                                                                                                                                      |  |                                                 |  |  |  |                              |  |                                               |  |
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|  |  | Integral House, 7 Beddau Way<br>Castlegate Business Park<br>Caerphilly CF83 2AX<br>Tel. 029 20807991<br>Fax. 029 20862176<br>mail@integralgeotec.com |  | Project Name:<br><b>Dragon Parc, Abercanaid</b> |  |  |  | Project No.:<br><b>12888</b> |  | Borehole No.:<br><b>PH108</b><br>Sheet 1 of 1 |  |
| Location:<br><b>Merthyr Tydfil</b>                                               |  |                                                                                                                                                      |  | Client: <b>Davies Homes</b>                     |  |  |  | Coordinates:                 |  | Hole Type:<br><b>RO</b>                       |  |
| Equipment: <b>Klemm</b>                                                          |  |                                                                                                                                                      |  | Diameter of Casing:                             |  |  |  | Level:                       |  | Scale<br><b>1:200</b>                         |  |
| Diameter of Boring:                                                              |  |                                                                                                                                                      |  | Depth of Casing:                                |  |  |  | Dates<br><b>05/08/2021 -</b> |  | Logged By:<br><b>Apex</b>                     |  |

| Well                                                                               | Water Strikes | Rotary Coring |     |     |     |    | Depth (m) | Level (m AOD) | N Value | Legend                                                                            | Stratum Description                                                                |                                         |   |
|------------------------------------------------------------------------------------|---------------|---------------|-----|-----|-----|----|-----------|---------------|---------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-----------------------------------------|---|
|                                                                                    |               | Depth (m)     | TCR | SCR | RQD | FI |           |               |         |                                                                                   |                                                                                    |                                         |   |
|  |               |               |     |     |     |    | 6.80      |               |         |  | Made Ground (Driller's Description)                                                | 1                                       |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 2                                                                                  |                                         |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 3                                                                                  |                                         |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 4                                                                                  |                                         |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 5                                                                                  |                                         |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 6                                                                                  |                                         |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |  | Sand and Gravel (Driller's Description) | 7 |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    | 8                                       |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    | 9                                       |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    | 10                                      |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    | 11                                      |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    | 12                                      |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    | 13                                      |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    | 14                                      |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    | 15                                      |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    | 16                                      |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    | 17                                      |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    | 18                                      |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    | 19                                      |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    | 20                                      |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    | 21                                      |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    | 22                                      |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    | 23                                      |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    | 24                                      |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    | 25                                      |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    | 26                                      |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 27                                                                                 |                                         |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 28                                                                                 |                                         |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 29                                                                                 |                                         |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    |                                         |   |
| 31                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    |                                         |   |
| 32                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    |                                         |   |
| 33                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    |                                         |   |
| 34                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    |                                         |   |
| 35                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    |                                         |   |
| 36                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    |                                         |   |
| 37                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    |                                         |   |
| 38                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    |                                         |   |
| 39                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    |                                         |   |
| 40                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    |                                         |   |

|                                                     |  |  |  |                                                                                                                                                                                                           |  |  |  |                                                                                                                                        |  |  |  |                                                                                       |  |
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| <b>Remarks:</b><br>1. Rotary open borehole to 30.0m |  |  |  | <b>Key:</b><br>D - Small disturbed sample<br>B - Bulk disturbed sample<br>ES - Environmental soil sample<br>SPT - Standard Penetration Test (split spoon)<br>CPT - Standard Penetration Test (solid cone) |  |  |  | W - Water sample<br>U - Undisturbed sample<br>TCR - Total Core Recovery<br>SCR - Solid Core Recovery<br>RQD - Rock Quality Designation |  |  |  |  |  |
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|                                                                                  |  |                                                                                                                                                      |  |                                                 |  |  |                              |  |                                               |  |
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|  |  | Integral House, 7 Beddau Way<br>Castlegate Business Park<br>Caerphilly CF83 2AX<br>Tel. 029 20807991<br>Fax. 029 20862176<br>mail@integralgeotec.com |  | Project Name:<br><b>Dragon Parc, Abercanaid</b> |  |  | Project No.:<br><b>12888</b> |  | Borehole No.:<br><b>PH109</b><br>Sheet 1 of 1 |  |
| Location:<br><b>Merthyr Tydfil</b>                                               |  |                                                                                                                                                      |  | Client: <b>Davies Homes</b>                     |  |  | Coordinates:                 |  | Hole Type:<br><b>RO</b>                       |  |
| Equipment: <b>Klemm</b>                                                          |  |                                                                                                                                                      |  | Diameter of Casing:                             |  |  | Level:                       |  | Scale<br><b>1:200</b>                         |  |
| Diameter of Boring:                                                              |  |                                                                                                                                                      |  | Depth of Casing:                                |  |  | Dates<br><b>03/08/2021 -</b> |  | Logged By:<br><b>Apex</b>                     |  |

| Well  | Water Strikes | Rotary Coring |     |     |     |    | Depth (m) | Level (m AOD) | N Value | Legend | Stratum Description                 |    |
|-------|---------------|---------------|-----|-----|-----|----|-----------|---------------|---------|--------|-------------------------------------|----|
|       |               | Depth (m)     | TCR | SCR | RQD | FI |           |               |         |        |                                     |    |
|       |               |               |     |     |     |    |           |               |         |        | Made Ground (Driller's Description) | 1  |
|       |               |               |     |     |     |    |           |               |         |        | 2                                   |    |
|       |               |               |     |     |     |    |           |               |         |        | 3                                   |    |
|       |               |               |     |     |     |    |           |               |         |        | 4                                   |    |
|       |               |               |     |     |     |    |           |               |         |        | 4.70                                |    |
|       |               |               |     |     |     |    |           |               |         |        | 5                                   |    |
|       |               |               |     |     |     |    |           |               |         |        | 6                                   |    |
|       |               |               |     |     |     |    |           |               |         |        | 7                                   |    |
|       |               |               |     |     |     |    |           |               |         |        | 8                                   |    |
|       |               |               |     |     |     |    |           |               |         |        | 9                                   |    |
|       |               |               |     |     |     |    |           |               |         |        | 9.00                                |    |
|       |               |               |     |     |     |    |           |               |         |        | 10                                  |    |
|       |               |               |     |     |     |    |           |               |         |        | 11                                  |    |
|       |               |               |     |     |     |    |           |               |         |        | 12                                  |    |
|       |               |               |     |     |     |    |           |               |         |        | 13                                  |    |
|       |               |               |     |     |     |    |           |               |         |        | 13.10                               |    |
|       |               |               |     |     |     |    |           |               |         |        | 14                                  |    |
|       |               |               |     |     |     |    |           |               |         |        | 14.70                               |    |
|       |               |               |     |     |     |    |           |               |         |        | 15                                  |    |
|       |               |               |     |     |     |    |           |               |         |        | 16                                  |    |
|       |               |               |     |     |     |    |           |               |         |        | 16.10                               |    |
|       |               |               |     |     |     |    |           |               |         |        | 17                                  |    |
|       |               |               |     |     |     |    |           |               |         |        | 18                                  |    |
|       |               |               |     |     |     |    |           |               |         |        | 19                                  |    |
|       |               |               |     |     |     |    |           |               |         |        | 20                                  |    |
|       |               |               |     |     |     |    |           |               |         |        | 20.00                               |    |
|       |               |               |     |     |     |    |           |               |         |        | 21                                  |    |
|       |               |               |     |     |     |    |           |               |         |        | 21.40                               |    |
|       |               |               |     |     |     |    |           |               |         |        | 22                                  |    |
|       |               |               |     |     |     |    |           |               |         |        | 23                                  |    |
| 24    |               |               |     |     |     |    |           |               |         |        |                                     |    |
| 24.80 |               |               |     |     |     |    |           |               |         |        |                                     |    |
| 25    |               |               |     |     |     |    |           |               |         |        |                                     |    |
| 26    |               |               |     |     |     |    |           |               |         |        |                                     |    |
| 26.30 |               |               |     |     |     |    |           |               |         |        |                                     |    |
| 27    |               |               |     |     |     |    |           |               |         |        |                                     |    |
| 28    |               |               |     |     |     |    |           |               |         |        |                                     |    |
| 29    |               |               |     |     |     |    |           |               |         |        |                                     |    |
| 30.00 |               |               |     |     |     |    |           |               |         |        |                                     |    |
|       |               |               |     |     |     |    |           |               |         |        | End of Borehole at 30.00 m          | 30 |
| 31    |               |               |     |     |     |    |           |               |         |        |                                     |    |
| 32    |               |               |     |     |     |    |           |               |         |        |                                     |    |
| 33    |               |               |     |     |     |    |           |               |         |        |                                     |    |
| 34    |               |               |     |     |     |    |           |               |         |        |                                     |    |
| 35    |               |               |     |     |     |    |           |               |         |        |                                     |    |
| 36    |               |               |     |     |     |    |           |               |         |        |                                     |    |
| 37    |               |               |     |     |     |    |           |               |         |        |                                     |    |
| 38    |               |               |     |     |     |    |           |               |         |        |                                     |    |
| 39    |               |               |     |     |     |    |           |               |         |        |                                     |    |
| 40    |               |               |     |     |     |    |           |               |         |        |                                     |    |

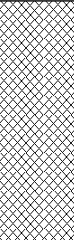
  

|                                                      |  |                                                                                                                                                                                                           |  |                                                                                                                                        |  |                                                                                       |
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| <b>Remarks:</b><br>1. Rotary open borehole to 30.0m. |  | <b>Key:</b><br>D - Small disturbed sample<br>B - Bulk disturbed sample<br>ES - Environmental soil sample<br>SPT - Standard Penetration Test (split spoon)<br>CPT - Standard Penetration Test (solid cone) |  | W - Water sample<br>U - Undisturbed sample<br>TCR - Total Core Recovery<br>SCR - Solid Core Recovery<br>RQD - Rock Quality Designation |  |  |
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|                                                                                  |  |                                                                                                                                                      |  |                                                 |  |  |  |                              |  |                                               |  |
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|  |  | Integral House, 7 Beddau Way<br>Castlegate Business Park<br>Caerphilly CF83 2AX<br>Tel. 029 20807991<br>Fax. 029 20862176<br>mail@integralgeotec.com |  | Project Name:<br><b>Dragon Parc, Abercanaid</b> |  |  |  | Project No.:<br><b>12888</b> |  | Borehole No.:<br><b>PH110</b><br>Sheet 1 of 1 |  |
| Location:<br><b>Merthyr Tydfil</b>                                               |  |                                                                                                                                                      |  | Client: <b>Davies Homes</b>                     |  |  |  | Coordinates:                 |  | Hole Type:<br><b>RO</b>                       |  |
| Equipment: <b>Klemm</b>                                                          |  |                                                                                                                                                      |  | Diameter of Casing: <b>115mm</b>                |  |  |  | Level:                       |  | Scale<br><b>1:200</b>                         |  |
| Diameter of Boring: <b>115mm</b>                                                 |  |                                                                                                                                                      |  | Depth of Casing: <b>28.00m</b>                  |  |  |  | Dates<br><b>10/08/2021 -</b> |  | Logged By:<br><b>Apex</b>                     |  |

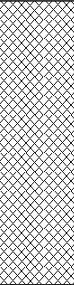
| Well                                                                               | Water Strikes | Rotary Coring |     |     |     |    | Depth (m) | Level (m AOD) | N Value | Legend                                                                            | Stratum Description                                                                |                                         |   |
|------------------------------------------------------------------------------------|---------------|---------------|-----|-----|-----|----|-----------|---------------|---------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-----------------------------------------|---|
|                                                                                    |               | Depth (m)     | TCR | SCR | RQD | FI |           |               |         |                                                                                   |                                                                                    |                                         |   |
|  |               |               |     |     |     |    | 6.40      |               |         |  | Made Ground (Drillers's Description)                                               | 1                                       |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 2                                                                                  |                                         |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 3                                                                                  |                                         |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 4                                                                                  |                                         |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 5                                                                                  |                                         |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 6                                                                                  |                                         |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |  | Sand and Gravel (Driller's Description) | 7 |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    | 8                                       |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    | 9                                       |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    | 10                                      |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    | 11                                      |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    | 12                                      |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    | 13                                      |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    | 14                                      |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    | 15                                      |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    | 16                                      |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    | 17                                      |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    | 18                                      |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    | 19                                      |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    | 20                                      |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    | 21                                      |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    | 22                                      |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    | 23                                      |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    | 24                                      |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    | 25                                      |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    | 26                                      |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    | 27                                      |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    | 28                                      |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    | 29                                      |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    |                                         |   |
| 31                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    |                                         |   |
| 32                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    |                                         |   |
| 33                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    |                                         |   |
| 34                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    |                                         |   |
| 35                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    |                                         |   |
| 36                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    |                                         |   |
| 37                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    |                                         |   |
| 38                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    |                                         |   |
| 39                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    |                                         |   |
| 40                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    |                                         |   |

|                                                     |  |                                                                                                                                                                                                           |  |                                                                                                                                        |  |                                                                                       |
|-----------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|
| <b>Remarks:</b><br>1. Rotary open borehole to 30.0m |  | <b>Key:</b><br>D - Small disturbed sample<br>B - Bulk disturbed sample<br>ES - Environmental soil sample<br>SPT - Standard Penetration Test (split spoon)<br>CPT - Standard Penetration Test (solid cone) |  | W - Water sample<br>U - Undisturbed sample<br>TCR - Total Core Recovery<br>SCR - Solid Core Recovery<br>RQD - Rock Quality Designation |  |  |
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|                                                                                  |  |                                                                                                                                                      |  |                                                 |  |  |  |                              |  |                                               |  |
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|  |  | Intégral House, 7 Beddau Way<br>Castlegate Business Park<br>Caerphilly CF83 2AX<br>Tel. 029 20807991<br>Fax. 029 20862176<br>mail@integralgeotec.com |  | Project Name:<br><b>Dragon Parc, Abercanaid</b> |  |  |  | Project No.:<br><b>12888</b> |  | Borehole No.:<br><b>PH111</b><br>Sheet 1 of 1 |  |
| Location:<br><b>Merthyr Tydfil</b>                                               |  |                                                                                                                                                      |  | Client: <b>Davies Homes</b>                     |  |  |  | Coordinates:                 |  | Hole Type:<br><b>RO</b>                       |  |
| Equipment: <b>Klemm</b>                                                          |  |                                                                                                                                                      |  | Diameter of Casing: <b>115mm</b>                |  |  |  | Level:                       |  | Scale<br><b>1:200</b>                         |  |
| Diameter of Boring: <b>115mm</b>                                                 |  |                                                                                                                                                      |  | Depth of Casing: <b>27.00m</b>                  |  |  |  | Dates<br><b>11/08/2021 -</b> |  | Logged By:<br><b>Apex</b>                     |  |

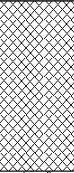
| Well                                                                               | Water Strikes                                                                          | Rotary Coring |     |     |     |       | Depth (m) | Level (m AOD)              | N Value | Legend                                                                             | Stratum Description                                                                 |                                                  |    |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|---------------|-----|-----|-----|-------|-----------|----------------------------|---------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------|----|
|                                                                                    |                                                                                        | Depth (m)     | TCR | SCR | RQD | FI    |           |                            |         |                                                                                    |                                                                                     |                                                  |    |
|  | 8.00  |               |     |     |     |       | 7.50      |                            |         |   | Made Ground (Driller's Description)                                                 | 1                                                |    |
|                                                                                    |                                                                                        |               |     |     |     |       |           |                            |         |                                                                                    | 2                                                                                   |                                                  |    |
|                                                                                    |                                                                                        |               |     |     |     |       |           |                            |         |                                                                                    | 3                                                                                   |                                                  |    |
|                                                                                    |                                                                                        |               |     |     |     |       |           |                            |         |                                                                                    | 4                                                                                   |                                                  |    |
|                                                                                    |                                                                                        |               |     |     |     |       |           |                            |         |                                                                                    | 5                                                                                   |                                                  |    |
|                                                                                    |                                                                                        |               |     |     |     |       |           |                            |         |                                                                                    | 6                                                                                   |                                                  |    |
|                                                                                    |                                                                                        |               |     |     |     |       |           |                            |         |                                                                                    | 7                                                                                   |                                                  |    |
|                                                                                    |                                                                                        |               |     |     |     |       |           |                            |         |  | Sand and Gravel (Driller's Description)                                             | 8                                                |    |
|                                                                                    |                                                                                        |               |     |     |     |       |           |                            |         |                                                                                    | 9                                                                                   |                                                  |    |
|                                                                                    |                                                                                        |               |     |     |     |       |           |                            |         |                                                                                    | 10                                                                                  |                                                  |    |
|                                                                                    |                                                                                        |               |     |     |     |       |           |                            |         |                                                                                    | 11                                                                                  |                                                  |    |
|                                                                                    |                                                                                        |               |     |     |     |       |           |                            |         |                                                                                    | 12                                                                                  |                                                  |    |
|                                                                                    |                                                                                        |               |     |     |     |       |           |                            |         |                                                                                    | 13                                                                                  |                                                  |    |
|                                                                                    |                                                                                        |               |     |     |     |       |           |                            |         |                                                                                    | 14                                                                                  |                                                  |    |
|                                                                                    |                                                                                        |               |     |     |     |       |           |                            |         |                                                                                    | 15                                                                                  |                                                  |    |
|                                                                                    |                                                                                        |               |     |     |     |       |           |                            |         |                                                                                    | 16                                                                                  |                                                  |    |
|                                                                                    |                                                                                        |               |     |     |     |       |           |                            |         |                                                                                    | 17                                                                                  |                                                  |    |
|                                                                                    |                                                                                        |               |     |     |     |       |           |                            |         |                                                                                    | 18                                                                                  |                                                  |    |
|                                                                                    |                                                                                        |               |     |     |     |       |           |                            |         |                                                                                    | 19                                                                                  |                                                  |    |
|                                                                                    |                                                                                        |               |     |     |     |       |           |                            |         |                                                                                    | 20                                                                                  |                                                  |    |
|                                                                                    |                                                                                        |               |     |     |     |       |           |                            |         |                                                                                    | 21                                                                                  |                                                  |    |
|                                                                                    |                                                                                        |               |     |     |     |       |           |                            |         |                                                                                    | 22                                                                                  |                                                  |    |
|                                                                                    |                                                                                        |               |     |     |     |       |           |                            |         |                                                                                    | 23                                                                                  |                                                  |    |
|                                                                                    |                                                                                        |               |     |     |     |       |           |                            |         |                                                                                    | 24                                                                                  |                                                  |    |
|                                                                                    |                                                                                        |               |     |     |     |       |           |                            |         |                                                                                    | 25                                                                                  |                                                  |    |
|                                                                                    |                                                                                        |               |     |     |     |       |           |                            |         |                                                                                    | 26                                                                                  |                                                  |    |
|                                                                                    |                                                                                        |               |     |     |     |       |           |                            | 27.00   |                                                                                    |  | Mudstone with coal bands (Driller's Description) | 27 |
|                                                                                    |                                                                                        |               |     |     |     |       |           |                            |         |                                                                                    |                                                                                     | 28                                               |    |
|                                                                                    |                                                                                        |               |     |     |     |       |           |                            |         |                                                                                    |                                                                                     | 29                                               |    |
|                                                                                    |                                                                                        |               |     |     |     |       |           |                            |         |                                                                                    |                                                                                     | 30                                               |    |
|                                                                                    |                                                                                        |               |     |     |     | 30.00 |           | End of Borehole at 30.00 m | 30      |                                                                                    |                                                                                     |                                                  |    |
|                                                                                    |                                                                                        |               |     |     |     |       | 31        |                            |         |                                                                                    |                                                                                     |                                                  |    |
|                                                                                    |                                                                                        |               |     |     |     |       | 32        |                            |         |                                                                                    |                                                                                     |                                                  |    |
|                                                                                    |                                                                                        |               |     |     |     |       | 33        |                            |         |                                                                                    |                                                                                     |                                                  |    |
|                                                                                    |                                                                                        |               |     |     |     |       | 34        |                            |         |                                                                                    |                                                                                     |                                                  |    |
|                                                                                    |                                                                                        |               |     |     |     |       | 35        |                            |         |                                                                                    |                                                                                     |                                                  |    |
|                                                                                    |                                                                                        |               |     |     |     |       | 36        |                            |         |                                                                                    |                                                                                     |                                                  |    |
|                                                                                    |                                                                                        |               |     |     |     |       | 37        |                            |         |                                                                                    |                                                                                     |                                                  |    |
|                                                                                    |                                                                                        |               |     |     |     |       | 38        |                            |         |                                                                                    |                                                                                     |                                                  |    |
|                                                                                    |                                                                                        |               |     |     |     |       | 39        |                            |         |                                                                                    |                                                                                     |                                                  |    |
|                                                                                    |                                                                                        |               |     |     |     | 40    |           |                            |         |                                                                                    |                                                                                     |                                                  |    |

|                                                                                             |  |  |  |                                                                                                                                                                                                           |  |  |  |                                                                                                                                        |  |  |  |                                                                                       |  |
|---------------------------------------------------------------------------------------------|--|--|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|----------------------------------------------------------------------------------------------------------------------------------------|--|--|--|---------------------------------------------------------------------------------------|--|
| <b>Remarks:</b><br>1. Rotary open borehole to 30.0m.<br>2. Groundwater encountered at 8.0m. |  |  |  | <b>Key:</b><br>D - Small disturbed sample<br>B - Bulk disturbed sample<br>ES - Environmental soil sample<br>SPT - Standard Penetration Test (split spoon)<br>CPT - Standard Penetration Test (solid cone) |  |  |  | W - Water sample<br>U - Undisturbed sample<br>TCR - Total Core Recovery<br>SCR - Solid Core Recovery<br>RQD - Rock Quality Designation |  |  |  |  |  |
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|                                                                                  |  |                                                                                                                                                      |  |                                                 |  |  |  |                              |  |                                               |  |
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|  |  | Intégral House, 7 Beddau Way<br>Castlegate Business Park<br>Caerphilly CF83 2AX<br>Tel. 029 20807991<br>Fax. 029 20862176<br>mail@integralgeotec.com |  | Project Name:<br><b>Dragon Parc, Abercanaid</b> |  |  |  | Project No.:<br><b>12888</b> |  | Borehole No.:<br><b>PH112</b><br>Sheet 1 of 1 |  |
| Location:<br><b>Merthyr Tydfil</b>                                               |  |                                                                                                                                                      |  | Client: <b>Davies Homes</b>                     |  |  |  | Coordinates:                 |  | Hole Type:<br><b>RO</b>                       |  |
| Equipment: <b>Klemm</b>                                                          |  |                                                                                                                                                      |  | Diameter of Casing: <b>115mm</b>                |  |  |  | Level:                       |  | Scale<br><b>1:200</b>                         |  |
| Diameter of Boring: <b>115mm</b>                                                 |  |                                                                                                                                                      |  | Depth of Casing: <b>28.00m</b>                  |  |  |  | Dates<br><b>09/08/2021 -</b> |  | Logged By:<br><b>Apex</b>                     |  |

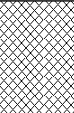
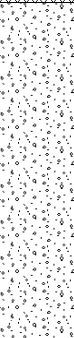
| Well                                                                               | Water Strikes | Rotary Coring |     |     |     |    | Depth (m) | Level (m AOD) | N Value | Legend                                                                            | Stratum Description                                                                |    |  |  |  |  |  |  |  |  |                                                                                    |                                                                                     |   |
|------------------------------------------------------------------------------------|---------------|---------------|-----|-----|-----|----|-----------|---------------|---------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|----|--|--|--|--|--|--|--|--|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---|
|                                                                                    |               | Depth (m)     | TCR | SCR | RQD | FI |           |               |         |                                                                                   |                                                                                    |    |  |  |  |  |  |  |  |  |                                                                                    |                                                                                     |   |
|  |               |               |     |     |     |    | 4.50      |               |         |  | Made Ground (Driller's Description)                                                | 1  |  |  |  |  |  |  |  |  |                                                                                    |                                                                                     |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 2                                                                                  |    |  |  |  |  |  |  |  |  |                                                                                    |                                                                                     |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 3                                                                                  |    |  |  |  |  |  |  |  |  |                                                                                    |                                                                                     |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 4                                                                                  |    |  |  |  |  |  |  |  |  |                                                                                    |                                                                                     |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |  |    |  |  |  |  |  |  |  |  |  | Sand and Gravel (Driller's Description)                                             | 5 |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    |    |  |  |  |  |  |  |  |  |                                                                                    | 6                                                                                   |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    |    |  |  |  |  |  |  |  |  |                                                                                    | 7                                                                                   |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    |    |  |  |  |  |  |  |  |  |                                                                                    | 8                                                                                   |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    |    |  |  |  |  |  |  |  |  |                                                                                    | 9                                                                                   |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    |    |  |  |  |  |  |  |  |  |                                                                                    | 10                                                                                  |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    |    |  |  |  |  |  |  |  |  |                                                                                    | 11                                                                                  |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    |    |  |  |  |  |  |  |  |  |                                                                                    | 12                                                                                  |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    |    |  |  |  |  |  |  |  |  |                                                                                    | 13                                                                                  |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    |    |  |  |  |  |  |  |  |  |                                                                                    | 14                                                                                  |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    |    |  |  |  |  |  |  |  |  |                                                                                    | 15                                                                                  |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    |    |  |  |  |  |  |  |  |  |                                                                                    | 16                                                                                  |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    |    |  |  |  |  |  |  |  |  |                                                                                    | 17                                                                                  |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    |    |  |  |  |  |  |  |  |  |                                                                                    | 18                                                                                  |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    |    |  |  |  |  |  |  |  |  |                                                                                    | 19                                                                                  |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    |    |  |  |  |  |  |  |  |  |                                                                                    | 20                                                                                  |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    |    |  |  |  |  |  |  |  |  |                                                                                    | 21                                                                                  |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    |    |  |  |  |  |  |  |  |  |                                                                                    | 22                                                                                  |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    |    |  |  |  |  |  |  |  |  |                                                                                    | 23                                                                                  |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    |    |  |  |  |  |  |  |  |  |                                                                                    | 24                                                                                  |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    |    |  |  |  |  |  |  |  |  |                                                                                    | 25                                                                                  |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    |    |  |  |  |  |  |  |  |  |                                                                                    | 26                                                                                  |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    |    |  |  |  |  |  |  |  |  |                                                                                    |  |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 28                                                                                 |    |  |  |  |  |  |  |  |  |                                                                                    |                                                                                     |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 29                                                                                 |    |  |  |  |  |  |  |  |  |                                                                                    |                                                                                     |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 30                                                                                 |    |  |  |  |  |  |  |  |  |                                                                                    |                                                                                     |   |
|                                                                                    |               |               |     |     |     |    | 30.00     |               |         |                                                                                   | End of Borehole at 30.00 m                                                         | 30 |  |  |  |  |  |  |  |  |                                                                                    |                                                                                     |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 31                                                                                 |    |  |  |  |  |  |  |  |  |                                                                                    |                                                                                     |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 32                                                                                 |    |  |  |  |  |  |  |  |  |                                                                                    |                                                                                     |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 33                                                                                 |    |  |  |  |  |  |  |  |  |                                                                                    |                                                                                     |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 34                                                                                 |    |  |  |  |  |  |  |  |  |                                                                                    |                                                                                     |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 35                                                                                 |    |  |  |  |  |  |  |  |  |                                                                                    |                                                                                     |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 36                                                                                 |    |  |  |  |  |  |  |  |  |                                                                                    |                                                                                     |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 37                                                                                 |    |  |  |  |  |  |  |  |  |                                                                                    |                                                                                     |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 38                                                                                 |    |  |  |  |  |  |  |  |  |                                                                                    |                                                                                     |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 39                                                                                 |    |  |  |  |  |  |  |  |  |                                                                                    |                                                                                     |   |
| 40                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    |    |  |  |  |  |  |  |  |  |                                                                                    |                                                                                     |   |

|                                                     |  |  |  |                                                                                                                                                                                                           |  |  |  |                                                                                                                                        |  |  |  |                                                                                       |  |
|-----------------------------------------------------|--|--|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|----------------------------------------------------------------------------------------------------------------------------------------|--|--|--|---------------------------------------------------------------------------------------|--|
| <b>Remarks:</b><br>1. Rotary open borehole to 30.0m |  |  |  | <b>Key:</b><br>D - Small disturbed sample<br>B - Bulk disturbed sample<br>ES - Environmental soil sample<br>SPT - Standard Penetration Test (split spoon)<br>CPT - Standard Penetration Test (solid cone) |  |  |  | W - Water sample<br>U - Undisturbed sample<br>TCR - Total Core Recovery<br>SCR - Solid Core Recovery<br>RQD - Rock Quality Designation |  |  |  |  |  |
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|                                                                                  |  |                                                                                                                                                      |  |                                                 |  |  |  |                              |  |                                               |  |
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|  |  | Integral House, 7 Beddau Way<br>Castlegate Business Park<br>Caerphilly CF83 2AX<br>Tel. 029 20807991<br>Fax. 029 20862176<br>mail@integralgeotec.com |  | Project Name:<br><b>Dragon Parc, Abercanaid</b> |  |  |  | Project No.:<br><b>12888</b> |  | Borehole No.:<br><b>PH113</b><br>Sheet 1 of 1 |  |
| Location:<br><b>Merthyr Tydfil</b>                                               |  |                                                                                                                                                      |  | Client: <b>Davies Homes</b>                     |  |  |  | Coordinates:                 |  | Hole Type:<br><b>RO</b>                       |  |
| Equipment: <b>Klemm</b>                                                          |  |                                                                                                                                                      |  | Diameter of Casing: <b>115mm</b>                |  |  |  | Level:                       |  | Scale<br><b>1:200</b>                         |  |
| Diameter of Boring: <b>115mm</b>                                                 |  |                                                                                                                                                      |  | Depth of Casing: <b>12.00m</b>                  |  |  |  | Dates<br><b>02/08/2021 -</b> |  | Logged By:<br><b>Apex</b>                     |  |

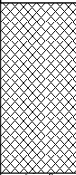
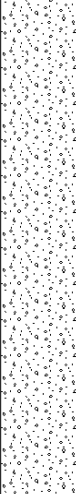
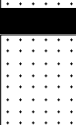
| Well                                                                                | Water Strikes                     | Rotary Coring |     |     |     |    | Depth (m) | Level (m AOD) | N Value | Legend                                                                            | Stratum Description                                                                 |                                         |    |
|-------------------------------------------------------------------------------------|-----------------------------------|---------------|-----|-----|-----|----|-----------|---------------|---------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----------------------------------------|----|
|                                                                                     |                                   | Depth (m)     | TCR | SCR | RQD | FI |           |               |         |                                                                                   |                                                                                     |                                         |    |
|   |                                   |               |     |     |     |    | 3.00      |               |         |  | Made Ground (Driller's Description)                                                 | 1                                       |    |
|                                                                                     |                                   |               |     |     |     |    |           |               |         |                                                                                   | 2                                                                                   |                                         |    |
|                                                                                     |                                   |               |     |     |     |    |           |               |         |                                                                                   |    | Sand and Gravel (Driller's Description) | 3  |
|                                                                                     |                                   |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 4                                       |    |
|                                                                                     |                                   |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 5                                       |    |
|                                                                                     |                                   |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 6                                       |    |
|                                                                                     |                                   |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 7                                       |    |
|                                                                                     |                                   |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 8                                       |    |
|                                                                                     |                                   |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 9                                       |    |
|                                                                                     |                                   |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 10                                      |    |
|                                                                                     |                                   |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 11                                      |    |
|                                                                                     |                                   |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 12                                      |    |
|                                                                                     |                                   |               |     |     |     |    |           |               |         |                                                                                   |   | Sandstone (Driller's Description)       | 12 |
|                                                                                     |                                   |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 13                                      |    |
|                                                                                     |                                   |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 14                                      |    |
|                                                                                     |                                   |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 15                                      |    |
|                                                                                     |                                   |               |     |     |     |    |           |               |         |                                                                                   |  | Coal (Driller's Description)            | 15 |
|                                                                                     |                                   |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 16                                      |    |
|                                                                                     |                                   |               |     |     |     |    |           |               |         |                                                                                   |  | Mudstone (Driller's Description)        | 16 |
|                                                                                     |                                   |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 17                                      |    |
|                                                                                     |                                   |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 18                                      |    |
|                                                                                     |                                   |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 19                                      |    |
|                                                                                     |                                   |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 20                                      |    |
|                                                                                     |                                   |               |     |     |     |    |           |               |         |                                                                                   |  | Coal (Driller's Description)            | 21 |
|                                                                                     |                                   |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 22                                      |    |
|                                                                                     |                                   |               |     |     |     |    |           |               |         |                                                                                   |  | Sandstone (Driller's Description)       | 22 |
| 23                                                                                  |                                   |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     |                                         |    |
| 24                                                                                  |                                   |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     |                                         |    |
| 25                                                                                  |                                   |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     |                                         |    |
|  | Coal (Driller's Description)      | 25            |     |     |     |    |           |               |         |                                                                                   |                                                                                     |                                         |    |
|                                                                                     | 26                                |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     |                                         |    |
|  | Sandstone (Driller's Description) | 26            |     |     |     |    |           |               |         |                                                                                   |                                                                                     |                                         |    |
|                                                                                     | 27                                |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     |                                         |    |
|                                                                                     | 28                                |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     |                                         |    |
|                                                                                     | 29                                |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     |                                         |    |
|                                                                                     | 30                                |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     |                                         |    |
|                                                                                     | 31                                |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     |                                         |    |
|                                                                                     | 32                                |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     |                                         |    |
|                                                                                     | 33                                |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     |                                         |    |
|                                                                                     | 34                                |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     |                                         |    |
|                                                                                     | 35                                |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     |                                         |    |
|                                                                                     | 36                                |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     |                                         |    |
|                                                                                     | 37                                |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     |                                         |    |
|                                                                                     | 38                                |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     |                                         |    |
|                                                                                     | 39                                |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     |                                         |    |
| 40                                                                                  |                                   |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     |                                         |    |

|                                                      |  |  |  |                                                                                                                                                                                                           |  |  |  |                                                                                                                                        |  |  |  |                                                                                       |  |
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| <b>Remarks:</b><br>1. Rotary open borehole to 30.0m. |  |  |  | <b>Key:</b><br>D - Small disturbed sample<br>B - Bulk disturbed sample<br>ES - Environmental soil sample<br>SPT - Standard Penetration Test (split spoon)<br>CPT - Standard Penetration Test (solid cone) |  |  |  | W - Water sample<br>U - Undisturbed sample<br>TCR - Total Core Recovery<br>SCR - Solid Core Recovery<br>RQD - Rock Quality Designation |  |  |  |  |  |
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|                                                                                  |  |                                                                                                                                                      |  |                                                 |  |  |  |                              |  |                                               |  |
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|  |  | Integral House, 7 Beddau Way<br>Castlegate Business Park<br>Caerphilly CF83 2AX<br>Tel. 029 20807991<br>Fax. 029 20862176<br>mail@integralgeotec.com |  | Project Name:<br><b>Dragon Parc, Abercanaid</b> |  |  |  | Project No.:<br><b>12888</b> |  | Borehole No.:<br><b>PH114</b><br>Sheet 1 of 1 |  |
| Location:<br><b>Merthyr Tydfil</b>                                               |  |                                                                                                                                                      |  | Client: <b>Davies Homes</b>                     |  |  |  | Coordinates:                 |  | Hole Type:<br><b>RO</b>                       |  |
| Equipment: <b>Klemm</b>                                                          |  |                                                                                                                                                      |  | Diameter of Casing: <b>115mm</b>                |  |  |  | Level:                       |  | Scale<br><b>1:200</b>                         |  |
| Diameter of Boring: <b>115mm</b>                                                 |  |                                                                                                                                                      |  | Depth of Casing: <b>18.00m</b>                  |  |  |  | Dates<br><b>02/08/2021 -</b> |  | Logged By:<br><b>Apex</b>                     |  |

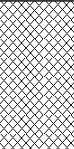
| Well                                                                                | Water Strikes                     | Rotary Coring |     |     |     |       | Depth (m) | Level (m AOD) | N Value | Legend                                                                             | Stratum Description                     |   |
|-------------------------------------------------------------------------------------|-----------------------------------|---------------|-----|-----|-----|-------|-----------|---------------|---------|------------------------------------------------------------------------------------|-----------------------------------------|---|
|                                                                                     |                                   | Depth (m)     | TCR | SCR | RQD | FI    |           |               |         |                                                                                    |                                         |   |
|                                                                                     |                                   |               |     |     |     |       | 4.50      |               |         |   | Made Ground (Driller's Description)     | 1 |
|                                                                                     |                                   |               |     |     |     |       |           |               |         |                                                                                    | 2                                       |   |
|                                                                                     |                                   |               |     |     |     |       |           |               |         |                                                                                    | 3                                       |   |
|                                                                                     |                                   |               |     |     |     |       |           |               |         |                                                                                    | 4                                       |   |
|                                                                                     |                                   |               |     |     |     |       |           |               |         |  | Sand and Gravel (Driller's Description) | 5 |
|                                                                                     |                                   |               |     |     |     |       |           |               |         |                                                                                    | 6                                       |   |
|                                                                                     |                                   |               |     |     |     |       |           |               |         |                                                                                    | 7                                       |   |
|                                                                                     |                                   |               |     |     |     |       |           |               |         |                                                                                    | 8                                       |   |
|                                                                                     |                                   |               |     |     |     |       |           |               |         |                                                                                    | 9                                       |   |
|                                                                                     |                                   |               |     |     |     |       |           |               |         |                                                                                    | 10                                      |   |
|                                                                                     |                                   |               |     |     |     |       |           |               |         |                                                                                    | 11                                      |   |
|                                                                                     |                                   |               |     |     |     |       |           |               |         |                                                                                    | 12                                      |   |
|                                                                                     |                                   |               |     |     |     |       |           |               |         |                                                                                    | 13                                      |   |
|                                                                                     |                                   |               |     |     |     |       |           |               |         |                                                                                    | 14                                      |   |
|                                                                                     |                                   |               |     |     |     |       |           |               |         |                                                                                    | 15                                      |   |
|  | Sandstone (Driller's Description) | 18            |     |     |     |       |           |               |         |                                                                                    |                                         |   |
|                                                                                     | 19                                |               |     |     |     |       |           |               |         |                                                                                    |                                         |   |
|                                                                                     | 20                                |               |     |     |     |       |           |               |         |                                                                                    |                                         |   |
|                                                                                     | 21                                |               |     |     |     |       |           |               |         |                                                                                    |                                         |   |
|                                                                                     | 22                                |               |     |     |     |       |           |               |         |                                                                                    |                                         |   |
|                                                                                     | 23                                |               |     |     |     |       |           |               |         |                                                                                    |                                         |   |
|                                                                                     | 24                                |               |     |     |     |       |           |               |         |                                                                                    |                                         |   |
|                                                                                     | 25                                |               |     |     |     |       |           |               |         |                                                                                    |                                         |   |
|                                                                                     | 26                                |               |     |     |     |       |           |               |         |                                                                                    |                                         |   |
|                                                                                     | 27                                |               |     |     |     |       |           |               |         |                                                                                    |                                         |   |
|  | Coal (Driller's Description)      | 23            |     |     |     |       |           |               |         |                                                                                    |                                         |   |
|                                                                                     | 24                                |               |     |     |     |       |           |               |         |                                                                                    |                                         |   |
|                                                                                     | 25                                |               |     |     |     |       |           |               |         |                                                                                    |                                         |   |
|  | Sandstone (Driller's Description) | 24            |     |     |     |       |           |               |         |                                                                                    |                                         |   |
|                                                                                     | 25                                |               |     |     |     |       |           |               |         |                                                                                    |                                         |   |
|                                                                                     | 26                                |               |     |     |     |       |           |               |         |                                                                                    |                                         |   |
|  | Coal (Driller's Description)      | 27            |     |     |     |       |           |               |         |                                                                                    |                                         |   |
|                                                                                     | 28                                |               |     |     |     |       |           |               |         |                                                                                    |                                         |   |
|  | Sandstone (Driller's Description) | 28            |     |     |     |       |           |               |         |                                                                                    |                                         |   |
|                                                                                     | 29                                |               |     |     |     |       |           |               |         |                                                                                    |                                         |   |
|                                                                                     |                                   |               |     |     |     | 30.00 |           |               |         | End of Borehole at 30.00 m                                                         | 30                                      |   |
|                                                                                     |                                   |               |     |     |     |       |           |               |         | 31                                                                                 |                                         |   |
|                                                                                     |                                   |               |     |     |     |       |           |               |         | 32                                                                                 |                                         |   |
|                                                                                     |                                   |               |     |     |     |       |           |               |         | 33                                                                                 |                                         |   |
|                                                                                     |                                   |               |     |     |     |       |           |               |         | 34                                                                                 |                                         |   |
|                                                                                     |                                   |               |     |     |     |       |           |               |         | 35                                                                                 |                                         |   |
|                                                                                     |                                   |               |     |     |     |       |           |               |         | 36                                                                                 |                                         |   |
|                                                                                     |                                   |               |     |     |     |       |           |               |         | 37                                                                                 |                                         |   |
|                                                                                     |                                   |               |     |     |     |       |           |               |         | 38                                                                                 |                                         |   |
|                                                                                     |                                   |               |     |     |     |       |           |               |         | 39                                                                                 |                                         |   |
|                                                                                     |                                   |               |     |     |     |       |           |               |         | 40                                                                                 |                                         |   |

|                                                      |  |  |  |                                                                                                                                                                                                           |  |  |  |                                                                                                                                        |  |  |  |                                                                                       |  |
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| <b>Remarks:</b><br>1. Rotary open borehole to 30.0m. |  |  |  | <b>Key:</b><br>D - Small disturbed sample<br>B - Bulk disturbed sample<br>ES - Environmental soil sample<br>SPT - Standard Penetration Test (split spoon)<br>CPT - Standard Penetration Test (solid cone) |  |  |  | W - Water sample<br>U - Undisturbed sample<br>TCR - Total Core Recovery<br>SCR - Solid Core Recovery<br>RQD - Rock Quality Designation |  |  |  |  |  |
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|                                                                                  |  |                                                                                                                                                      |  |                                                 |  |  |  |                              |  |                                               |  |
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|  |  | Integral House, 7 Beddau Way<br>Castlegate Business Park<br>Caerphilly CF83 2AX<br>Tel. 029 20807991<br>Fax. 029 20862176<br>mail@integralgeotec.com |  | Project Name:<br><b>Dragon Parc, Abercanaid</b> |  |  |  | Project No.:<br><b>12888</b> |  | Borehole No.:<br><b>PH115</b><br>Sheet 1 of 1 |  |
| Location:<br><b>Merthyr Tydfil</b>                                               |  |                                                                                                                                                      |  | Client: <b>Davies Homes</b>                     |  |  |  | Coordinates:                 |  | Hole Type:<br><b>RO</b>                       |  |
| Equipment: <b>Klemm</b>                                                          |  |                                                                                                                                                      |  | Diameter of Casing: <b>115mm</b>                |  |  |  | Level:                       |  | Scale<br><b>1:200</b>                         |  |
| Diameter of Boring: <b>115mm</b>                                                 |  |                                                                                                                                                      |  | Depth of Casing: <b>15.00m</b>                  |  |  |  | Dates<br><b>03/08/2021 -</b> |  | Logged By:<br><b>Apex</b>                     |  |

| Well                                                                               | Water Strikes | Rotary Coring |     |     |     |    | Depth (m) | Level (m AOD) | N Value | Legend                                                                            | Stratum Description                 |   |
|------------------------------------------------------------------------------------|---------------|---------------|-----|-----|-----|----|-----------|---------------|---------|-----------------------------------------------------------------------------------|-------------------------------------|---|
|                                                                                    |               | Depth (m)     | TCR | SCR | RQD | FI |           |               |         |                                                                                   |                                     |   |
|  |               |               |     |     |     |    | 4.00      |               |         |  | Made Ground (Driller's Description) | 1 |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 2                                   |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 3                                   |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 4                                   |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 5                                   |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 6                                   |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 7                                   |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 8                                   |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 9                                   |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 10                                  |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 11                                  |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 12                                  |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 13                                  |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 14                                  |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 15                                  |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 16                                  |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 17                                  |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 18                                  |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 19                                  |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 20                                  |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 21                                  |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 22                                  |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 23                                  |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 24                                  |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 25                                  |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 26                                  |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 27                                  |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 28                                  |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 29                                  |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 30                                  |   |
| 31                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                     |   |
| 32                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                     |   |
| 33                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                     |   |
| 34                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                     |   |
| 35                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                     |   |
| 36                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                     |   |
| 37                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                     |   |
| 38                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                     |   |
| 39                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                     |   |
| 40                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                     |   |

|                                                      |  |  |  |  |  |                                                                                                                                                                                                           |  |  |  |  |  |                                                                                                                                        |  |  |  |  |  |                                                                                       |  |
|------------------------------------------------------|--|--|--|--|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|----------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|---------------------------------------------------------------------------------------|--|
| <b>Remarks:</b><br>1. Rotary open borehole to 30.0m. |  |  |  |  |  | <b>Key:</b><br>D - Small disturbed sample<br>B - Bulk disturbed sample<br>ES - Environmental soil sample<br>SPT - Standard Penetration Test (split spoon)<br>CPT - Standard Penetration Test (solid cone) |  |  |  |  |  | W - Water sample<br>U - Undisturbed sample<br>TCR - Total Core Recovery<br>SCR - Solid Core Recovery<br>RQD - Rock Quality Designation |  |  |  |  |  |  |  |
|------------------------------------------------------|--|--|--|--|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|----------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|---------------------------------------------------------------------------------------|--|



|                                                                                  |  |                                                                                                                                                      |  |                                                 |  |  |                              |  |                                               |  |
|----------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------|--|--|------------------------------|--|-----------------------------------------------|--|
|  |  | Integral House, 7 Beddau Way<br>Castlegate Business Park<br>Caerphilly CF83 2AX<br>Tel. 029 20807991<br>Fax. 029 20862176<br>mail@integralgeotec.com |  | Project Name:<br><b>Dragon Parc, Abercanaid</b> |  |  | Project No.:<br><b>12888</b> |  | Borehole No.:<br><b>PH116</b><br>Sheet 1 of 1 |  |
| Location:<br><b>Merthyr Tydfil</b>                                               |  |                                                                                                                                                      |  | Client: <b>Davies Homes</b>                     |  |  | Coordinates:                 |  | Hole Type:<br><b>RO</b>                       |  |
| Equipment: <b>Klemm</b>                                                          |  |                                                                                                                                                      |  | Diameter of Casing: <b>115mm</b>                |  |  | Level:                       |  | Scale<br><b>1:200</b>                         |  |
| Diameter of Boring: <b>115mm</b>                                                 |  |                                                                                                                                                      |  | Depth of Casing: <b>13.50m</b>                  |  |  | Dates<br><b>02/08/2021 -</b> |  | Logged By:<br><b>Apex</b>                     |  |

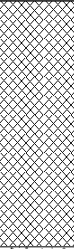
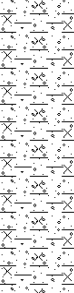
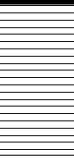
| Well | Water Strikes | Rotary Coring |     |     |     |    | Depth (m) | Level (m AOD) | N Value | Legend | Stratum Description                 |   |
|------|---------------|---------------|-----|-----|-----|----|-----------|---------------|---------|--------|-------------------------------------|---|
|      |               | Depth (m)     | TCR | SCR | RQD | FI |           |               |         |        |                                     |   |
|      |               |               |     |     |     |    |           |               |         |        | Made Ground (Driller's Description) | 1 |
|      |               |               |     |     |     |    |           |               |         |        | 2                                   |   |
|      |               |               |     |     |     |    |           |               |         |        | 3                                   |   |
|      |               |               |     |     |     |    |           |               |         |        | 4                                   |   |
|      |               |               |     |     |     |    |           |               |         |        | 5                                   |   |
|      |               |               |     |     |     |    |           |               |         |        | 6                                   |   |
|      |               |               |     |     |     |    |           |               |         |        | 7                                   |   |
|      |               |               |     |     |     |    |           |               |         |        | 8                                   |   |
|      |               |               |     |     |     |    |           |               |         |        | 9                                   |   |
|      |               |               |     |     |     |    |           |               |         |        | 10                                  |   |
|      |               |               |     |     |     |    |           |               |         |        | 11                                  |   |
|      |               |               |     |     |     |    |           |               |         |        | 12                                  |   |
|      |               |               |     |     |     |    |           |               |         |        | 13                                  |   |
|      |               |               |     |     |     |    |           |               |         |        | 14                                  |   |
|      |               |               |     |     |     |    |           |               |         |        |                                     |   |
| 16   |               |               |     |     |     |    |           |               |         |        |                                     |   |
| 17   |               |               |     |     |     |    |           |               |         |        |                                     |   |
| 18   |               |               |     |     |     |    |           |               |         |        |                                     |   |
| 19   |               |               |     |     |     |    |           |               |         |        |                                     |   |
| 20   |               |               |     |     |     |    |           |               |         |        |                                     |   |
| 21   |               |               |     |     |     |    |           |               |         |        |                                     |   |
| 22   |               |               |     |     |     |    |           |               |         |        |                                     |   |
| 23   |               |               |     |     |     |    |           |               |         |        |                                     |   |
| 24   |               |               |     |     |     |    |           |               |         |        |                                     |   |
| 25   |               |               |     |     |     |    |           |               |         |        |                                     |   |
| 26   |               |               |     |     |     |    |           |               |         |        |                                     |   |
| 27   |               |               |     |     |     |    |           |               |         |        |                                     |   |
| 28   |               |               |     |     |     |    |           |               |         |        |                                     |   |
|      |               |               |     |     |     |    |           |               |         |        |                                     |   |
|      |               |               |     |     |     |    |           |               |         |        | 30                                  |   |
|      |               |               |     |     |     |    |           |               |         |        | 31                                  |   |
|      |               |               |     |     |     |    |           |               |         |        | 32                                  |   |
|      |               |               |     |     |     |    |           |               |         |        | 33                                  |   |
|      |               |               |     |     |     |    |           |               |         |        | 34                                  |   |
|      |               |               |     |     |     |    |           |               |         |        | 35                                  |   |
|      |               |               |     |     |     |    |           |               |         |        | 36                                  |   |
|      |               |               |     |     |     |    |           |               |         |        | 37                                  |   |
|      |               |               |     |     |     |    |           |               |         |        | 38                                  |   |
|      |               |               |     |     |     |    |           |               |         |        | 39                                  |   |
|      |               |               |     |     |     |    |           |               |         |        | 40                                  |   |
|      |               |               |     |     |     |    |           |               |         |        | 41                                  |   |
|      |               |               |     |     |     |    |           |               |         |        | 42                                  |   |
|      |               |               |     |     |     |    |           |               |         |        |                                     |   |
| 44   |               |               |     |     |     |    |           |               |         |        |                                     |   |
| 45   |               |               |     |     |     |    |           |               |         |        |                                     |   |
| 46   |               |               |     |     |     |    |           |               |         |        |                                     |   |
| 47   |               |               |     |     |     |    |           |               |         |        |                                     |   |
| 48   |               |               |     |     |     |    |           |               |         |        |                                     |   |
| 49   |               |               |     |     |     |    |           |               |         |        |                                     |   |
| 50   |               |               |     |     |     |    |           |               |         |        |                                     |   |
| 51   |               |               |     |     |     |    |           |               |         |        |                                     |   |
| 52   |               |               |     |     |     |    |           |               |         |        |                                     |   |
| 53   |               |               |     |     |     |    |           |               |         |        |                                     |   |
| 54   |               |               |     |     |     |    |           |               |         |        |                                     |   |
| 55   |               |               |     |     |     |    |           |               |         |        |                                     |   |
| 56   |               |               |     |     |     |    |           |               |         |        |                                     |   |
|      |               |               |     |     |     |    |           |               |         |        |                                     |   |
|      |               |               |     |     |     |    |           |               |         |        | 58                                  |   |
|      |               |               |     |     |     |    |           |               |         |        | 59                                  |   |
|      |               |               |     |     |     |    |           |               |         |        | 60                                  |   |
|      |               |               |     |     |     |    |           |               |         |        | 61                                  |   |
|      |               |               |     |     |     |    |           |               |         |        | 62                                  |   |
|      |               |               |     |     |     |    |           |               |         |        | 63                                  |   |
|      |               |               |     |     |     |    |           |               |         |        | 64                                  |   |
|      |               |               |     |     |     |    |           |               |         |        | 65                                  |   |
|      |               |               |     |     |     |    |           |               |         |        | 66                                  |   |
|      |               |               |     |     |     |    |           |               |         |        | 67                                  |   |
|      |               |               |     |     |     |    |           |               |         |        | 68                                  |   |
|      |               |               |     |     |     |    |           |               |         |        | 69                                  |   |
|      |               |               |     |     |     |    |           |               |         |        | 70                                  |   |
|      |               |               |     |     |     |    |           |               |         |        |                                     |   |
| 72   |               |               |     |     |     |    |           |               |         |        |                                     |   |
| 73   |               |               |     |     |     |    |           |               |         |        |                                     |   |
| 74   |               |               |     |     |     |    |           |               |         |        |                                     |   |
| 75   |               |               |     |     |     |    |           |               |         |        |                                     |   |
| 76   |               |               |     |     |     |    |           |               |         |        |                                     |   |
| 77   |               |               |     |     |     |    |           |               |         |        |                                     |   |
| 78   |               |               |     |     |     |    |           |               |         |        |                                     |   |
| 79   |               |               |     |     |     |    |           |               |         |        |                                     |   |
| 80   |               |               |     |     |     |    |           |               |         |        |                                     |   |
| 81   |               |               |     |     |     |    |           |               |         |        |                                     |   |
| 82   |               |               |     |     |     |    |           |               |         |        |                                     |   |
| 83   |               |               |     |     |     |    |           |               |         |        |                                     |   |
| 84   |               |               |     |     |     |    |           |               |         |        |                                     |   |
|      |               |               |     |     |     |    |           |               |         |        |                                     |   |
|      |               |               |     |     |     |    |           |               |         |        | 86                                  |   |
|      |               |               |     |     |     |    |           |               |         |        | 87                                  |   |
|      |               |               |     |     |     |    |           |               |         |        | 88                                  |   |
|      |               |               |     |     |     |    |           |               |         |        | 89                                  |   |
|      |               |               |     |     |     |    |           |               |         |        | 90                                  |   |
|      |               |               |     |     |     |    |           |               |         |        | 91                                  |   |
|      |               |               |     |     |     |    |           |               |         |        | 92                                  |   |
|      |               |               |     |     |     |    |           |               |         |        | 93                                  |   |
|      |               |               |     |     |     |    |           |               |         |        | 94                                  |   |
|      |               |               |     |     |     |    |           |               |         |        | 95                                  |   |
|      |               |               |     |     |     |    |           |               |         |        | 96                                  |   |
|      |               |               |     |     |     |    |           |               |         |        | 97                                  |   |
|      |               |               |     |     |     |    |           |               |         |        | 98                                  |   |
|      |               |               |     |     |     |    |           |               |         |        |                                     |   |
| 100  |               |               |     |     |     |    |           |               |         |        |                                     |   |
| 101  |               |               |     |     |     |    |           |               |         |        |                                     |   |
| 102  |               |               |     |     |     |    |           |               |         |        |                                     |   |
| 103  |               |               |     |     |     |    |           |               |         |        |                                     |   |
| 104  |               |               |     |     |     |    |           |               |         |        |                                     |   |
| 105  |               |               |     |     |     |    |           |               |         |        |                                     |   |
| 106  |               |               |     |     |     |    |           |               |         |        |                                     |   |
| 107  |               |               |     |     |     |    |           |               |         |        |                                     |   |
| 108  |               |               |     |     |     |    |           |               |         |        |                                     |   |
| 109  |               |               |     |     |     |    |           |               |         |        |                                     |   |
| 110  |               |               |     |     |     |    |           |               |         |        |                                     |   |
| 111  |               |               |     |     |     |    |           |               |         |        |                                     |   |
| 112  |               |               |     |     |     |    |           |               |         |        |                                     |   |
|      |               |               |     |     |     |    |           |               |         |        |                                     |   |
|      |               |               |     |     |     |    |           |               |         |        | 114                                 |   |
|      |               |               |     |     |     |    |           |               |         |        | 115                                 |   |
|      |               |               |     |     |     |    |           |               |         |        | 116                                 |   |
|      |               |               |     |     |     |    |           |               |         |        | 117                                 |   |
|      |               |               |     |     |     |    |           |               |         |        | 118                                 |   |
|      |               |               |     |     |     |    |           |               |         |        | 119                                 |   |
|      |               |               |     |     |     |    |           |               |         |        | 120                                 |   |
|      |               |               |     |     |     |    |           |               |         |        | 121                                 |   |
|      |               |               |     |     |     |    |           |               |         |        | 122                                 |   |
|      |               |               |     |     |     |    |           |               |         |        | 123                                 |   |
|      |               |               |     |     |     |    |           |               |         |        | 124                                 |   |
|      |               |               |     |     |     |    |           |               |         |        | 125                                 |   |
|      |               |               |     |     |     |    |           |               |         |        | 126                                 |   |

|                                                      |  |                                                                                                                                                                                                           |  |                                                                                                                                        |  |                                                                                       |
|------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|
| <b>Remarks:</b><br>1. Rotary open borehole to 30.0m. |  | <b>Key:</b><br>D - Small disturbed sample<br>B - Bulk disturbed sample<br>ES - Environmental soil sample<br>SPT - Standard Penetration Test (split spoon)<br>CPT - Standard Penetration Test (solid cone) |  | W - Water sample<br>U - Undisturbed sample<br>TCR - Total Core Recovery<br>SCR - Solid Core Recovery<br>RQD - Rock Quality Designation |  |  |
|------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|

|                                                                                  |  |                                                                                                                                                      |  |                                                 |  |  |  |                              |  |                                               |  |
|----------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------|--|--|--|------------------------------|--|-----------------------------------------------|--|
|  |  | Integral House, 7 Beddau Way<br>Castlegate Business Park<br>Caerphilly CF83 2AX<br>Tel. 029 20807991<br>Fax. 029 20862176<br>mail@integralgeotec.com |  | Project Name:<br><b>Dragon Parc, Abercanaid</b> |  |  |  | Project No.:<br><b>12888</b> |  | Borehole No.:<br><b>PH117</b><br>Sheet 1 of 1 |  |
| Location:<br><b>Merthyr Tydfil</b>                                               |  |                                                                                                                                                      |  | Client: <b>Davies Homes</b>                     |  |  |  | Coordinates:                 |  | Hole Type:<br><b>RO</b>                       |  |
| Equipment: <b>Fraste</b>                                                         |  |                                                                                                                                                      |  | Diameter of Casing: <b>115mm</b>                |  |  |  | Level:                       |  | Scale<br><b>1:200</b>                         |  |
| Diameter of Boring: <b>115mm</b>                                                 |  |                                                                                                                                                      |  | Depth of Casing: <b>18.00m</b>                  |  |  |  | Dates<br><b>04/08/2021 -</b> |  | Logged By:<br><b>Apex</b>                     |  |

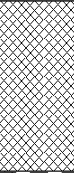
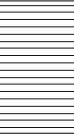
| Well                                                                               | Water Strikes | Rotary Coring |     |     |     |    | Depth (m) | Level (m AOD) | N Value | Legend                                                                              | Stratum Description                                   |    |
|------------------------------------------------------------------------------------|---------------|---------------|-----|-----|-----|----|-----------|---------------|---------|-------------------------------------------------------------------------------------|-------------------------------------------------------|----|
|                                                                                    |               | Depth (m)     | TCR | SCR | RQD | FI |           |               |         |                                                                                     |                                                       |    |
|  |               |               |     |     |     |    | 6.50      |               |         |    | Fill (Driller's Description)                          | 1  |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                     | 2                                                     |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                     | 3                                                     |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                     | 4                                                     |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                     | 5                                                     |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                     | 6                                                     |    |
|                                                                                    |               |               |     |     |     |    | 14.50     |               |         |   | Sandy clay with boulders (Driller's Description)      | 7  |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                     | 8                                                     |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                     | 9                                                     |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                     | 10                                                    |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                     | 11                                                    |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                     | 12                                                    |    |
|                                                                                    |               |               |     |     |     |    | 17.60     |               |         |  | Sand and Gravel (Driller's Description)               | 13 |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                     | 14                                                    |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                     | 15                                                    |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                     | 16                                                    |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                     | 17                                                    |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                     | 18                                                    |    |
|                                                                                    |               |               |     |     |     |    | 24.80     |               |         |  | Sandstone with mudstone bands (Driller's Description) | 19 |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                     | 20                                                    |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                     | 21                                                    |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                     | 22                                                    |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                     | 23                                                    |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                     | 24                                                    |    |
|                                                                                    |               |               |     |     |     |    | 26.00     |               |         |  | Coal (Driller's Description)                          | 25 |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                     |                                                       | 26 |
|                                                                                    |               |               |     |     |     |    | 30.00     |               |         |  | Mudstone with sandstone bands                         | 27 |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                     | 28                                                    |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                     | 29                                                    |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                     | 30                                                    |    |
|                                                                                    |               |               |     |     |     |    |           |               |         | End of Borehole at 30.00 m                                                          | 31                                                    |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                     | 32                                                    |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                     | 33                                                    |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                     | 34                                                    |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                     | 35                                                    |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                     | 36                                                    |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                     | 37                                                    |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                     | 38                                                    |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                     | 39                                                    |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                     | 40                                                    |    |

|                                                      |  |  |  |                                                                                                                                                                                                           |  |  |  |                                                                                                                                        |  |  |  |                                                                                       |  |
|------------------------------------------------------|--|--|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|----------------------------------------------------------------------------------------------------------------------------------------|--|--|--|---------------------------------------------------------------------------------------|--|
| <b>Remarks:</b><br>1. Rotary open borehole to 30.0m. |  |  |  | <b>Key:</b><br>D - Small disturbed sample<br>B - Bulk disturbed sample<br>ES - Environmental soil sample<br>SPT - Standard Penetration Test (split spoon)<br>CPT - Standard Penetration Test (solid cone) |  |  |  | W - Water sample<br>U - Undisturbed sample<br>TCR - Total Core Recovery<br>SCR - Solid Core Recovery<br>RQD - Rock Quality Designation |  |  |  |  |  |
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|                                                                                  |  |                                                                                                                                                      |  |                                                 |  |  |  |                              |  |                                               |  |
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|  |  | Intégral House, 7 Beddau Way<br>Castlegate Business Park<br>Caerphilly CF83 2AX<br>Tel. 029 20807991<br>Fax. 029 20862176<br>mail@integralgeotec.com |  | Project Name:<br><b>Dragon Parc, Abercanaid</b> |  |  |  | Project No.:<br><b>12888</b> |  | Borehole No.:<br><b>PH118</b><br>Sheet 1 of 1 |  |
| Location:<br><b>Merthyr Tydfil</b>                                               |  |                                                                                                                                                      |  | Client: <b>Davies Homes</b>                     |  |  |  | Coordinates:                 |  | Hole Type:<br><b>RO</b>                       |  |
| Equipment: <b>Klemm</b>                                                          |  |                                                                                                                                                      |  | Diameter of Casing: <b>115mm</b>                |  |  |  | Level:                       |  | Scale<br><b>1:200</b>                         |  |
| Diameter of Boring: <b>115mm</b>                                                 |  |                                                                                                                                                      |  | Depth of Casing: <b>26.00m</b>                  |  |  |  | Dates<br><b>09/08/2021 -</b> |  | Logged By:<br><b>Apex</b>                     |  |

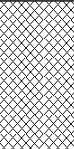
| Well                                                                               | Water Strikes | Rotary Coring |     |     |     |    | Depth (m) | Level (m AOD) | N Value | Legend                                                                            | Stratum Description                                                                |                                                                                     |                                                  |    |
|------------------------------------------------------------------------------------|---------------|---------------|-----|-----|-----|----|-----------|---------------|---------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------|----|
|                                                                                    |               | Depth (m)     | TCR | SCR | RQD | FI |           |               |         |                                                                                   |                                                                                    |                                                                                     |                                                  |    |
|  |               |               |     |     |     |    |           |               |         |  | Made Ground (Driller's Description)                                                | 1                                                                                   |                                                  |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 2                                                                                  |                                                                                     |                                                  |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 3                                                                                  |                                                                                     |                                                  |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 4                                                                                  |                                                                                     |                                                  |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |   | Till (Driller's Description)                                                        | 5                                                |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |  | Sand and Gravel (Driller's Description)                                             | 6                                                |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 7                                                                                  |                                                                                     |                                                  |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 8                                                                                  |                                                                                     |                                                  |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 9                                                                                  |                                                                                     |                                                  |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 10                                                                                 |                                                                                     |                                                  |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 11                                                                                 |                                                                                     |                                                  |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 12                                                                                 |                                                                                     |                                                  |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 13                                                                                 |                                                                                     |                                                  |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 14                                                                                 |                                                                                     |                                                  |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 15                                                                                 |                                                                                     |                                                  |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 16                                                                                 |                                                                                     |                                                  |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 17                                                                                 |                                                                                     |                                                  |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 18                                                                                 |                                                                                     |                                                  |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 19                                                                                 |                                                                                     |                                                  |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 20                                                                                 |                                                                                     |                                                  |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 21                                                                                 |                                                                                     |                                                  |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 22                                                                                 |                                                                                     |                                                  |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 23                                                                                 |                                                                                     |                                                  |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 24                                                                                 |                                                                                     |                                                  |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 25                                                                                 |                                                                                     |                                                  |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 26.50                                                                              |  | Mudstone with coal bands (Driller's Description) | 26 |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 27                                                                                 |                                                                                     |                                                  |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 28                                                                                 |                                                                                     |                                                  |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 29                                                                                 |                                                                                     |                                                  |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 30.00                                                                              | End of Borehole at 30.00 m                                                          |                                                  |    |
| 31                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    |                                                                                     |                                                  |    |
| 32                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    |                                                                                     |                                                  |    |
| 33                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    |                                                                                     |                                                  |    |
| 34                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    |                                                                                     |                                                  |    |
| 35                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    |                                                                                     |                                                  |    |
| 36                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    |                                                                                     |                                                  |    |
| 37                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    |                                                                                     |                                                  |    |
| 38                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    |                                                                                     |                                                  |    |
| 39                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    |                                                                                     |                                                  |    |
| 40                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    |                                                                                     |                                                  |    |

|                                                      |  |  |  |                                                                                                                                                                                                           |  |  |  |                                                                                                                                        |  |  |  |                                                                                       |  |
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| <b>Remarks:</b><br>1. Rotary open borehole to 30.0m. |  |  |  | <b>Key:</b><br>D - Small disturbed sample<br>B - Bulk disturbed sample<br>ES - Environmental soil sample<br>SPT - Standard Penetration Test (split spoon)<br>CPT - Standard Penetration Test (solid cone) |  |  |  | W - Water sample<br>U - Undisturbed sample<br>TCR - Total Core Recovery<br>SCR - Solid Core Recovery<br>RQD - Rock Quality Designation |  |  |  |  |  |
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|                                                                                  |  |                                                                                                                                                      |  |                                                 |  |                             |  |                              |  |                                               |  |
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|  |  | Integral House, 7 Beddau Way<br>Castlegate Business Park<br>Caerphilly CF83 2AX<br>Tel. 029 20807991<br>Fax. 029 20862176<br>mail@integralgeotec.com |  | Project Name:<br><b>Dragon Parc, Abercanaid</b> |  |                             |  | Project No.:<br><b>12888</b> |  | Borehole No.:<br><b>PH119</b><br>Sheet 1 of 1 |  |
|                                                                                  |  | Location:<br><b>Merthyr Tydfil</b>                                                                                                                   |  |                                                 |  | Client: <b>Davies Homes</b> |  |                              |  | Coordinates:                                  |  |
| Equipment: <b>Klemm</b>                                                          |  |                                                                                                                                                      |  | Diameter of Casing: <b>115mm</b>                |  |                             |  | Level:                       |  | Scale<br><b>1:200</b>                         |  |
| Diameter of Boring: <b>115mm</b>                                                 |  |                                                                                                                                                      |  | Depth of Casing: <b>13.50m</b>                  |  |                             |  | Dates<br><b>30/07/2021 -</b> |  | Logged By:<br><b>Apex</b>                     |  |

| Well                                                                               | Water Strikes | Rotary Coring |     |     |     |    | Depth (m) | Level (m AOD) | N Value | Legend                                                                            | Stratum Description                 |   |
|------------------------------------------------------------------------------------|---------------|---------------|-----|-----|-----|----|-----------|---------------|---------|-----------------------------------------------------------------------------------|-------------------------------------|---|
|                                                                                    |               | Depth (m)     | TCR | SCR | RQD | FI |           |               |         |                                                                                   |                                     |   |
|  |               |               |     |     |     |    | 4.00      |               |         |  | Made Ground (Driller's Description) | 1 |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 2                                   |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 3                                   |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 4                                   |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 5                                   |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 6                                   |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 7                                   |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 8                                   |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 9                                   |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 10                                  |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 11                                  |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 12                                  |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 13                                  |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 14                                  |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 15                                  |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 16                                  |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 17                                  |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 18                                  |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 19                                  |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                     |   |
| 5                                                                                  |               |               |     |     |     |    |           |               |         |                                                                                   |                                     |   |
| 6                                                                                  |               |               |     |     |     |    |           |               |         |                                                                                   |                                     |   |
| 7                                                                                  |               |               |     |     |     |    |           |               |         |                                                                                   |                                     |   |
| 8                                                                                  |               |               |     |     |     |    |           |               |         |                                                                                   |                                     |   |
| 9                                                                                  |               |               |     |     |     |    |           |               |         |                                                                                   |                                     |   |
| 10                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                     |   |
| 11                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                     |   |
| 12                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                     |   |
| 13                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                     |   |
| 14                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                     |   |
| 15                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                     |   |
| 16                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                     |   |
| 17                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                     |   |
| 18                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                     |   |
| 19                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                     |   |
| 20                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                     |   |
| 21                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                     |   |
| 22                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                     |   |
| 23                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                     |   |
| 24                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                     |   |
| 25                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                     |   |
| 26                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                     |   |
| 27                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                     |   |
| 28                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                     |   |
| 29                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                     |   |
| 30                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                     |   |
| 31                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                     |   |
| 32                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                     |   |
| 33                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                     |   |
| 34                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                     |   |
| 35                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                     |   |
| 36                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                     |   |
| 37                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                     |   |
| 38                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                     |   |
| 39                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                     |   |
| 40                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                     |   |

|                                                     |  |                                                                                                                                                                                                           |  |                                                                                                                                        |  |                                                                                       |
|-----------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|
| <b>Remarks:</b><br>1. Rotary open borehole to 30.0m |  | <b>Key:</b><br>D - Small disturbed sample<br>B - Bulk disturbed sample<br>ES - Environmental soil sample<br>SPT - Standard Penetration Test (split spoon)<br>CPT - Standard Penetration Test (solid cone) |  | W - Water sample<br>U - Undisturbed sample<br>TCR - Total Core Recovery<br>SCR - Solid Core Recovery<br>RQD - Rock Quality Designation |  |  |
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|  |  | Integral House, 7 Beddau Way<br>Castlegate Business Park<br>Caerphilly CF83 2AX<br>Tel. 029 20807991<br>Fax. 029 20862176<br>mail@integralgeotec.com |  | Project Name:<br><b>Dragon Parc, Abercanaid</b> |  |  |  | Project No.:<br><b>12888</b> |  | Borehole No.:<br><b>PH120</b><br>Sheet 1 of 1 |  |
| Location:<br><b>Merthyr Tydfil</b>                                               |  |                                                                                                                                                      |  | Client: <b>Davies Homes</b>                     |  |  |  | Coordinates:                 |  | Hole Type:<br><b>RO</b>                       |  |
| Equipment: <b>Fraste</b>                                                         |  |                                                                                                                                                      |  | Diameter of Casing: <b>115mm</b>                |  |  |  | Level:                       |  | Scale<br><b>1:200</b>                         |  |
| Diameter of Boring: <b>115mm</b>                                                 |  |                                                                                                                                                      |  | Depth of Casing: <b>16.00m</b>                  |  |  |  | Dates<br><b>05/08/2021 -</b> |  | Logged By:<br><b>Apex</b>                     |  |

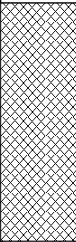
| Well                       | Water Strikes | Rotary Coring |     |     |     |    | Depth (m) | Level (m AOD) | N Value | Legend | Stratum Description                                   |    |
|----------------------------|---------------|---------------|-----|-----|-----|----|-----------|---------------|---------|--------|-------------------------------------------------------|----|
|                            |               | Depth (m)     | TCR | SCR | RQD | FI |           |               |         |        |                                                       |    |
|                            |               |               |     |     |     |    |           |               |         |        | Fill (Driller's Description)                          | 1  |
|                            |               |               |     |     |     |    |           |               |         |        | 2                                                     |    |
|                            |               |               |     |     |     |    |           |               |         |        | 3                                                     |    |
|                            |               |               |     |     |     |    |           |               |         |        | 4                                                     |    |
|                            |               |               |     |     |     |    |           |               |         |        | 5                                                     |    |
|                            |               |               |     |     |     |    |           |               |         |        | 6                                                     |    |
|                            |               |               |     |     |     |    |           |               |         |        | Sandy clay with boulders (Driller's Description)      | 7  |
|                            |               |               |     |     |     |    |           |               |         |        |                                                       | 8  |
|                            |               |               |     |     |     |    |           |               |         |        |                                                       | 9  |
|                            |               |               |     |     |     |    |           |               |         |        |                                                       | 10 |
|                            |               |               |     |     |     |    |           |               |         |        | Sand and Gravel (Driller's Description)               | 11 |
|                            |               |               |     |     |     |    |           |               |         |        |                                                       | 12 |
|                            |               |               |     |     |     |    |           |               |         |        |                                                       | 13 |
|                            |               |               |     |     |     |    |           |               |         |        |                                                       | 14 |
|                            |               |               |     |     |     |    |           |               |         |        | Mudstone with sandstone bands (Driller's Description) | 15 |
|                            |               |               |     |     |     |    |           |               |         |        |                                                       | 16 |
|                            |               |               |     |     |     |    |           |               |         |        |                                                       | 17 |
|                            |               |               |     |     |     |    |           |               |         |        |                                                       | 18 |
|                            |               |               |     |     |     |    |           |               |         |        | 19                                                    |    |
|                            |               |               |     |     |     |    |           |               |         |        | 20                                                    |    |
|                            |               |               |     |     |     |    |           |               |         |        | 21                                                    |    |
|                            |               |               |     |     |     |    |           |               |         |        | 22                                                    |    |
|                            |               |               |     |     |     |    |           |               |         |        | 23                                                    |    |
|                            |               |               |     |     |     |    |           |               |         |        | 24                                                    |    |
|                            |               |               |     |     |     |    |           |               |         |        | Coal (Driller's Description)                          | 25 |
|                            |               |               |     |     |     |    |           |               |         |        |                                                       | 26 |
|                            |               |               |     |     |     |    |           |               |         |        | Sandstone with mudstone bands (Driller's Description) | 27 |
|                            |               |               |     |     |     |    |           |               |         |        |                                                       | 28 |
|                            |               |               |     |     |     |    |           |               |         |        |                                                       | 29 |
|                            |               |               |     |     |     |    |           |               |         |        |                                                       | 30 |
| End of Borehole at 30.00 m |               |               |     |     |     |    |           |               |         |        | 30                                                    |    |
| 31                         |               |               |     |     |     |    |           |               |         |        |                                                       |    |
| 32                         |               |               |     |     |     |    |           |               |         |        |                                                       |    |
| 33                         |               |               |     |     |     |    |           |               |         |        |                                                       |    |
| 34                         |               |               |     |     |     |    |           |               |         |        |                                                       |    |
| 35                         |               |               |     |     |     |    |           |               |         |        |                                                       |    |
| 36                         |               |               |     |     |     |    |           |               |         |        |                                                       |    |
| 37                         |               |               |     |     |     |    |           |               |         |        |                                                       |    |
| 38                         |               |               |     |     |     |    |           |               |         |        |                                                       |    |
| 39                         |               |               |     |     |     |    |           |               |         |        |                                                       |    |
| 40                         |               |               |     |     |     |    |           |               |         |        |                                                       |    |

|                                                                          |  |  |  |  |                                                                                                                                                                                                           |  |  |  |  |                                                                                                                                        |  |  |  |  |                                                                                       |
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| <b>Remarks:</b><br>1. Rotary open borehole to 30.0m.<br>2. Wet at 18.0m. |  |  |  |  | <b>Key:</b><br>D - Small disturbed sample<br>B - Bulk disturbed sample<br>ES - Environmental soil sample<br>SPT - Standard Penetration Test (split spoon)<br>CPT - Standard Penetration Test (solid cone) |  |  |  |  | W - Water sample<br>U - Undisturbed sample<br>TCR - Total Core Recovery<br>SCR - Solid Core Recovery<br>RQD - Rock Quality Designation |  |  |  |  |  |
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|                                                                                  |  |                                                                                                                                                      |  |                                                 |  |  |  |                              |  |                                               |  |
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|  |  | Integral House, 7 Beddau Way<br>Castlegate Business Park<br>Caerphilly CF83 2AX<br>Tel. 029 20807991<br>Fax. 029 20862176<br>mail@integralgeotec.com |  | Project Name:<br><b>Dragon Parc, Abercanaid</b> |  |  |  | Project No.:<br><b>12888</b> |  | Borehole No.:<br><b>PH121</b><br>Sheet 1 of 1 |  |
| Location:<br><b>Merthyr Tydfil</b>                                               |  |                                                                                                                                                      |  | Client: <b>Davies Homes</b>                     |  |  |  | Coordinates:                 |  | Hole Type:<br><b>RO</b>                       |  |
| Equipment: <b>Klemm</b>                                                          |  |                                                                                                                                                      |  | Diameter of Casing: <b>115mm</b>                |  |  |  | Level:                       |  | Scale<br><b>1:200</b>                         |  |
| Diameter of Boring: <b>115mm</b>                                                 |  |                                                                                                                                                      |  | Depth of Casing: <b>26.00m</b>                  |  |  |  | Dates<br><b>10/08/2021 -</b> |  | Logged By:<br><b>Apex</b>                     |  |

| Well                                                                               | Water Strikes                                                                              | Rotary Coring |     |     |     |       | Depth (m) | Level (m AOD) | N Value                    | Legend                                                                              | Stratum Description                              |    |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|---------------|-----|-----|-----|-------|-----------|---------------|----------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------|----|
|                                                                                    |                                                                                            | Depth (m)     | TCR | SCR | RQD | FI    |           |               |                            |                                                                                     |                                                  |    |
|  | <br>10.00 |               |     |     |     |       | 6.30      |               |                            |    | Made Ground (Driller's Description)              | 1  |
|                                                                                    |                                                                                            |               |     |     |     |       |           |               |                            |                                                                                     | 2                                                |    |
|                                                                                    |                                                                                            |               |     |     |     |       |           |               |                            |                                                                                     | 3                                                |    |
|                                                                                    |                                                                                            |               |     |     |     |       |           |               |                            |                                                                                     | 4                                                |    |
|                                                                                    |                                                                                            |               |     |     |     |       |           |               |                            |                                                                                     | 5                                                |    |
|                                                                                    |                                                                                            |               |     |     |     |       |           |               |                            |                                                                                     | 6                                                |    |
|                                                                                    |                                                                                            |               |     |     |     |       |           |               |                            |   | Sand and Gravel (Driller's Description)          | 7  |
|                                                                                    |                                                                                            |               |     |     |     |       |           |               |                            |                                                                                     | 8                                                |    |
|                                                                                    |                                                                                            |               |     |     |     |       |           |               |                            |                                                                                     | 9                                                |    |
|                                                                                    |                                                                                            |               |     |     |     |       |           |               |                            |                                                                                     | 10                                               |    |
|                                                                                    |                                                                                            |               |     |     |     |       |           |               |                            |                                                                                     | 11                                               |    |
|                                                                                    |                                                                                            |               |     |     |     |       |           |               |                            |                                                                                     | 12                                               |    |
|                                                                                    |                                                                                            |               |     |     |     |       |           |               |                            |                                                                                     | 13                                               |    |
|                                                                                    |                                                                                            |               |     |     |     |       |           |               |                            |                                                                                     | 14                                               |    |
|                                                                                    |                                                                                            |               |     |     |     |       |           |               |                            |                                                                                     | 15                                               |    |
|                                                                                    |                                                                                            |               |     |     |     |       |           |               |                            |                                                                                     | 16                                               |    |
|                                                                                    |                                                                                            |               |     |     |     |       |           |               |                            |                                                                                     | 17                                               |    |
|                                                                                    |                                                                                            |               |     |     |     |       |           |               |                            |                                                                                     | 18                                               |    |
|                                                                                    |                                                                                            |               |     |     |     |       |           |               |                            |                                                                                     | 19                                               |    |
|                                                                                    |                                                                                            |               |     |     |     |       |           |               |                            |                                                                                     | 20                                               |    |
|                                                                                    |                                                                                            |               |     |     |     |       |           |               |                            |                                                                                     | 21                                               |    |
|                                                                                    |                                                                                            |               |     |     |     |       |           |               |                            |                                                                                     | 22                                               |    |
|                                                                                    |                                                                                            |               |     |     |     |       |           |               |                            |                                                                                     | 23                                               |    |
|                                                                                    |                                                                                            |               |     |     |     |       |           |               |                            |                                                                                     | 24                                               |    |
|                                                                                    |                                                                                            |               |     |     |     |       |           | 24.50         |                            |  | Mudstone with coal bands (Driller's Description) | 25 |
|                                                                                    |                                                                                            |               |     |     |     |       |           |               |                            |                                                                                     | 26                                               |    |
|                                                                                    |                                                                                            |               |     |     |     |       |           |               |                            |                                                                                     | 27                                               |    |
|                                                                                    |                                                                                            |               |     |     |     |       |           |               |                            |                                                                                     | 28                                               |    |
|                                                                                    |                                                                                            |               |     |     |     |       |           |               |                            |                                                                                     | 29                                               |    |
|                                                                                    |                                                                                            |               |     |     |     |       |           |               |                            |                                                                                     | 30                                               |    |
|                                                                                    |                                                                                            |               |     |     |     | 30.00 |           |               | End of Borehole at 30.00 m |                                                                                     | 31                                               |    |
|                                                                                    |                                                                                            |               |     |     |     |       |           |               |                            | 32                                                                                  |                                                  |    |
|                                                                                    |                                                                                            |               |     |     |     |       |           |               |                            | 33                                                                                  |                                                  |    |
|                                                                                    |                                                                                            |               |     |     |     |       |           |               |                            | 34                                                                                  |                                                  |    |
|                                                                                    |                                                                                            |               |     |     |     |       |           |               |                            | 35                                                                                  |                                                  |    |
|                                                                                    |                                                                                            |               |     |     |     |       |           |               |                            | 36                                                                                  |                                                  |    |
|                                                                                    |                                                                                            |               |     |     |     |       |           |               |                            | 37                                                                                  |                                                  |    |
|                                                                                    |                                                                                            |               |     |     |     |       |           |               |                            | 38                                                                                  |                                                  |    |
|                                                                                    |                                                                                            |               |     |     |     |       |           |               |                            | 39                                                                                  |                                                  |    |
|                                                                                    |                                                                                            |               |     |     |     |       |           |               |                            | 40                                                                                  |                                                  |    |

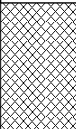
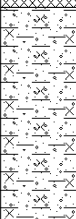
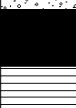
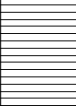
  

|                                                                                              |  |  |  |                                                                                                                                                                                                           |  |  |  |                                                                                                                                        |  |  |  |                                                                                       |  |
|----------------------------------------------------------------------------------------------|--|--|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|----------------------------------------------------------------------------------------------------------------------------------------|--|--|--|---------------------------------------------------------------------------------------|--|
| <b>Remarks:</b><br>1. Rotary open borehole to 30.0m.<br>2. Groundwater encountered at 10.0m. |  |  |  | <b>Key:</b><br>D - Small disturbed sample<br>B - Bulk disturbed sample<br>ES - Environmental soil sample<br>SPT - Standard Penetration Test (split spoon)<br>CPT - Standard Penetration Test (solid cone) |  |  |  | W - Water sample<br>U - Undisturbed sample<br>TCR - Total Core Recovery<br>SCR - Solid Core Recovery<br>RQD - Rock Quality Designation |  |  |  |  |  |
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|                                                                                  |  |                                                                                                                                                      |  |                                                 |  |  |  |                              |  |                                               |  |
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|  |  | Integral House, 7 Beddau Way<br>Castlegate Business Park<br>Caerphilly CF83 2AX<br>Tel. 029 20807991<br>Fax. 029 20862176<br>mail@integralgeotec.com |  | Project Name:<br><b>Dragon Parc, Abercanaid</b> |  |  |  | Project No.:<br><b>12888</b> |  | Borehole No.:<br><b>PH122</b><br>Sheet 1 of 1 |  |
| Location:<br><b>Merthyr Tydfil</b>                                               |  |                                                                                                                                                      |  | Client: <b>Davies Homes</b>                     |  |  |  | Coordinates:                 |  | Hole Type:<br><b>RO</b>                       |  |
| Equipment: <b>Fraste</b>                                                         |  |                                                                                                                                                      |  | Diameter of Casing: <b>115mm</b>                |  |  |  | Level:                       |  | Scale<br><b>1:200</b>                         |  |
| Diameter of Boring: <b>115mm</b>                                                 |  |                                                                                                                                                      |  | Depth of Casing: <b>13.20m</b>                  |  |  |  | Dates<br><b>30/07/2021 -</b> |  | Logged By:<br><b>Apex</b>                     |  |

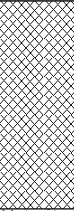
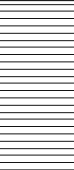
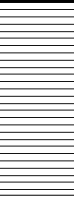
| Well | Water Strikes              | Rotary Coring |     |     |     |    | Depth (m) | Level (m AOD) | N Value | Legend                                                                            | Stratum Description                                                                 |                                                           |    |
|------|----------------------------|---------------|-----|-----|-----|----|-----------|---------------|---------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------|----|
|      |                            | Depth (m)     | TCR | SCR | RQD | FI |           |               |         |                                                                                   |                                                                                     |                                                           |    |
|      |                            |               |     |     |     |    | 3.50      |               |         |  | Fill (Driller's Description)                                                        | 1                                                         |    |
|      |                            |               |     |     |     |    |           |               |         |                                                                                   | 2                                                                                   |                                                           |    |
|      |                            |               |     |     |     |    |           |               |         |                                                                                   | 3                                                                                   |                                                           |    |
|      |                            |               |     |     |     |    |           |               |         |                                                                                   |    | Sandy gravelly clay with boulders (Driller's Description) | 4  |
|      |                            |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 5                                                         |    |
|      |                            |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 6                                                         |    |
|      |                            |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 7                                                         |    |
|      |                            |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 8                                                         |    |
|      |                            |               |     |     |     |    |           |               |         |                                                                                   |    | Till (Driller's Description)                              | 9  |
|      |                            |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 10                                                        |    |
|      |                            |               |     |     |     |    |           |               |         |                                                                                   |   | Sand and Gravel (Driller's Description)                   | 11 |
|      |                            |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 12                                                        |    |
|      |                            |               |     |     |     |    |           |               |         |                                                                                   |  | Coal (Driller's Description)                              | 13 |
|      |                            |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 14                                                        |    |
|      |                            |               |     |     |     |    |           |               |         |                                                                                   |  | Mudstone with sandstone bands                             | 15 |
|      |                            |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 16                                                        |    |
|      |                            |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 17                                                        |    |
|      |                            |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 18                                                        |    |
|      |                            |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 19                                                        |    |
|      |                            |               |     |     |     |    |           |               |         |                                                                                   |  | Old Workings (Driller's Description)                      | 20 |
|      |                            |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 21                                                        |    |
|      |                            |               |     |     |     |    |           |               |         |                                                                                   |  | Mudstone with sandstone bands (Driller's Description)     | 22 |
|      |                            |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 23                                                        |    |
|      |                            |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 24                                                        |    |
|      |                            |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 25                                                        |    |
|      |                            |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 26                                                        |    |
|      |                            |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 27                                                        |    |
|      |                            |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 28                                                        |    |
|      |                            |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 29                                                        |    |
|      |                            |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 30                                                        |    |
| 31   |                            |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     |                                                           |    |
|      | End of Borehole at 30.00 m | 32            |     |     |     |    |           |               |         |                                                                                   |                                                                                     |                                                           |    |
|      | 33                         |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     |                                                           |    |
|      | 34                         |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     |                                                           |    |
|      | 35                         |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     |                                                           |    |
|      | 36                         |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     |                                                           |    |
|      | 37                         |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     |                                                           |    |
|      | 38                         |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     |                                                           |    |
|      | 39                         |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     |                                                           |    |
|      | 40                         |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     |                                                           |    |

|                                                                         |  |  |  |                                                                                                                                                                                                           |  |  |  |                                                                                                                                        |  |  |  |                                                                                       |  |
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| <b>Remarks:</b><br>1. Rotary open borehole to 30.0m<br>2. Wet from 15m. |  |  |  | <b>Key:</b><br>D - Small disturbed sample<br>B - Bulk disturbed sample<br>ES - Environmental soil sample<br>SPT - Standard Penetration Test (split spoon)<br>CPT - Standard Penetration Test (solid cone) |  |  |  | W - Water sample<br>U - Undisturbed sample<br>TCR - Total Core Recovery<br>SCR - Solid Core Recovery<br>RQD - Rock Quality Designation |  |  |  |  |  |
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|  |  | Integral House, 7 Beddau Way<br>Castlegate Business Park<br>Caerphilly CF83 2AX<br>Tel. 029 20807991<br>Fax. 029 20862176<br>mail@integralgeotec.com |  | Project Name:<br><b>Dragon Parc, Abercanaid</b> |  |                             |  | Project No.:<br><b>12888</b> |  | Borehole No.:<br><b>PH123</b><br>Sheet 1 of 1 |  |
|                                                                                  |  | Location:<br><b>Merthyr Tydfil</b>                                                                                                                   |  |                                                 |  | Client: <b>Davies Homes</b> |  |                              |  | Coordinates:                                  |  |
| Equipment: <b>Klemm</b>                                                          |  |                                                                                                                                                      |  | Diameter of Casing: <b>115mm</b>                |  |                             |  | Level:                       |  | Scale<br><b>1:200</b>                         |  |
| Diameter of Boring: <b>115mm</b>                                                 |  |                                                                                                                                                      |  | Depth of Casing: <b>18.00m</b>                  |  |                             |  | Dates<br><b>02/08/2021 -</b> |  | Logged By:<br><b>Apex</b>                     |  |

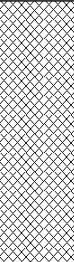
| Well                                                                               | Water Strikes | Rotary Coring |     |     |     |    | Depth (m) | Level (m AOD) | N Value | Legend                                                                            | Stratum Description                                                                 |                                                |    |
|------------------------------------------------------------------------------------|---------------|---------------|-----|-----|-----|----|-----------|---------------|---------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------------|----|
|                                                                                    |               | Depth (m)     | TCR | SCR | RQD | FI |           |               |         |                                                                                   |                                                                                     |                                                |    |
|  |               |               |     |     |     |    | 5.50      |               |         |  | Fill (Driller's Description)                                                        | 1                                              |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 2                                              |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 3                                              |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 4                                              |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 5                                              |    |
|                                                                                    |               |               |     |     |     |    |           | 18.90         |         |                                                                                   |   | Sand and Gravel (Driller's Description)        | 6  |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     |                                                | 7  |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     |                                                | 8  |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     |                                                | 9  |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     |                                                | 10 |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     |                                                | 11 |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     |                                                | 12 |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     |                                                | 13 |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     |                                                | 14 |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     |                                                | 15 |
|                                                                                    |               |               |     |     |     |    |           | 23.50         |         |                                                                                   |  | Mudstone and Sandstone (Driller's Description) | 16 |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     |                                                | 17 |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     |                                                | 18 |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     |                                                | 19 |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     |                                                | 20 |
|                                                                                    |               |               |     |     |     |    |           | 24.90         |         |                                                                                   |  | Coal (Driller's Description)                   | 21 |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     |                                                | 22 |
|                                                                                    |               |               |     |     |     |    |           | 30.00         |         |                                                                                   |  | Mudstone (Driller's Description)               | 23 |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     |                                                | 24 |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     |                                                | 25 |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     |                                                | 26 |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     |                                                | 27 |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     |                                                | 28 |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     |                                                | 29 |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     |                                                | 30 |
|                                                                                    |               |               |     |     |     |    | 31        |               |         |                                                                                   |                                                                                     |                                                |    |
|                                                                                    |               |               |     |     |     |    | 32        |               |         |                                                                                   |                                                                                     |                                                |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 33                                             |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 34                                             |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 35                                             |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 36                                             |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 37                                             |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 38                                             |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 39                                             |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 40                                             |    |

|                                                      |  |                                                                                                                                                                                                           |  |                                                                                                                                        |  |                                                                                       |
|------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|
| <b>Remarks:</b><br>1. Rotary open borehole to 30.0m. |  | <b>Key:</b><br>D - Small disturbed sample<br>B - Bulk disturbed sample<br>ES - Environmental soil sample<br>SPT - Standard Penetration Test (split spoon)<br>CPT - Standard Penetration Test (solid cone) |  | W - Water sample<br>U - Undisturbed sample<br>TCR - Total Core Recovery<br>SCR - Solid Core Recovery<br>RQD - Rock Quality Designation |  |  |
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|                                                                                  |  |                                                                                                                                                      |  |                                                 |  |  |  |                              |  |                                               |  |
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|  |  | Integral House, 7 Beddau Way<br>Castlegate Business Park<br>Caerphilly CF83 2AX<br>Tel. 029 20807991<br>Fax. 029 20862176<br>mail@integralgeotec.com |  | Project Name:<br><b>Dragon Parc, Abercanaid</b> |  |  |  | Project No.:<br><b>12888</b> |  | Borehole No.:<br><b>PH124</b><br>Sheet 1 of 1 |  |
| Location:<br><b>Merthyr Tydfil</b>                                               |  |                                                                                                                                                      |  | Client: <b>Davies Homes</b>                     |  |  |  | Coordinates:                 |  | Hole Type:<br><b>RO</b>                       |  |
| Equipment: <b>Klemm</b>                                                          |  |                                                                                                                                                      |  | Diameter of Casing: <b>115mm</b>                |  |  |  | Level:                       |  | Scale<br><b>1:200</b>                         |  |
| Diameter of Boring: <b>115mm</b>                                                 |  |                                                                                                                                                      |  | Depth of Casing: <b>24.00m</b>                  |  |  |  | Dates<br><b>02/08/2021 -</b> |  | Logged By:<br><b>Apex</b>                     |  |

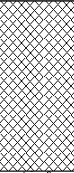
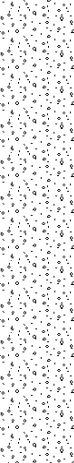
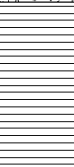
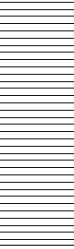
| Well                                                                               | Water Strikes | Rotary Coring |     |     |     |    | Depth (m) | Level (m AOD) | N Value | Legend                                                                            | Stratum Description                                                                |                                                                                     |                                                                                     |                            |
|------------------------------------------------------------------------------------|---------------|---------------|-----|-----|-----|----|-----------|---------------|---------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------------------|
|                                                                                    |               | Depth (m)     | TCR | SCR | RQD | FI |           |               |         |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                            |
|  |               |               |     |     |     |    | 7.00      |               |         |  | Fill (Driller's Description)                                                       | 1                                                                                   |                                                                                     |                            |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 2                                                                                  |                                                                                     |                                                                                     |                            |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 3                                                                                  |                                                                                     |                                                                                     |                            |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 4                                                                                  |                                                                                     |                                                                                     |                            |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 5                                                                                  |                                                                                     |                                                                                     |                            |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 6                                                                                  |                                                                                     |                                                                                     |                            |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |  | Sand and Gravel (Driller's Description)                                             | 7                                                                                   |                            |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    | 8                                                                                   |                                                                                     |                            |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    | 9                                                                                   |                                                                                     |                            |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    | 10                                                                                  |                                                                                     |                            |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    | 11                                                                                  |                                                                                     |                            |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    | 12                                                                                  |                                                                                     |                            |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    | 13                                                                                  |                                                                                     |                            |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    | 14                                                                                  |                                                                                     |                            |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    | 15                                                                                  |                                                                                     |                            |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    | 16                                                                                  |                                                                                     |                            |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    | 17                                                                                  |                                                                                     |                            |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    | 18                                                                                  |                                                                                     |                            |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    | 19                                                                                  |                                                                                     |                            |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    | 20                                                                                  |                                                                                     |                            |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    | 21                                                                                  |                                                                                     |                            |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    | 22                                                                                  |                                                                                     |                            |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    |  | Mudstone with sandstone bands                                                       | 23                         |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    |                                                                                     | 24                                                                                  |                            |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    |                                                                                     | 25                                                                                  |                            |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    |                                                                                     | 26                                                                                  |                            |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    |                                                                                     | 27                                                                                  |                            |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    |                                                                                     | 28                                                                                  |                            |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    |                                                                                     | 29                                                                                  |                            |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    |                                                                                     |  | End of Borehole at 30.00 m |
| 31                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                            |
| 32                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                            |
| 33                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                            |
| 34                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                            |
| 35                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                            |
| 36                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                            |
| 37                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                            |
| 38                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                            |
| 39                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                            |
| 40                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                            |

|                                                                       |  |  |  |                                                                                                                                                                                                           |  |  |  |                                                                                                                                        |  |  |  |                                                                                       |  |
|-----------------------------------------------------------------------|--|--|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|----------------------------------------------------------------------------------------------------------------------------------------|--|--|--|---------------------------------------------------------------------------------------|--|
| <b>Remarks:</b><br>1. Rotary open borehole to 30.0m<br>2. Wet at 27m. |  |  |  | <b>Key:</b><br>D - Small disturbed sample<br>B - Bulk disturbed sample<br>ES - Environmental soil sample<br>SPT - Standard Penetration Test (split spoon)<br>CPT - Standard Penetration Test (solid cone) |  |  |  | W - Water sample<br>U - Undisturbed sample<br>TCR - Total Core Recovery<br>SCR - Solid Core Recovery<br>RQD - Rock Quality Designation |  |  |  |  |  |
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|                                                                                  |  |                                                                                                                                                      |  |                                                 |  |  |  |                              |  |                                               |  |
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|  |  | Integral House, 7 Beddau Way<br>Castlegate Business Park<br>Caerphilly CF83 2AX<br>Tel. 029 20807991<br>Fax. 029 20862176<br>mail@integralgeotec.com |  | Project Name:<br><b>Dragon Parc, Abercanaid</b> |  |  |  | Project No.:<br><b>12888</b> |  | Borehole No.:<br><b>PH125</b><br>Sheet 1 of 1 |  |
| Location:<br><b>Merthyr Tydfil</b>                                               |  |                                                                                                                                                      |  | Client: <b>Davies Homes</b>                     |  |  |  | Coordinates:                 |  | Hole Type:<br><b>RO</b>                       |  |
| Equipment: <b>Klemm</b>                                                          |  |                                                                                                                                                      |  | Diameter of Casing: <b>115mm</b>                |  |  |  | Level:                       |  | Scale<br><b>1:200</b>                         |  |
| Diameter of Boring: <b>115mm</b>                                                 |  |                                                                                                                                                      |  | Depth of Casing: <b>18.00m</b>                  |  |  |  | Dates<br><b>02/08/2021 -</b> |  | Logged By:<br><b>Apex</b>                     |  |

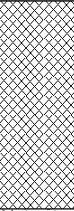
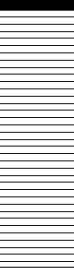
| Well                                                                               | Water Strikes | Rotary Coring |     |     |     |    | Depth (m) | Level (m AOD) | N Value | Legend                                                                            | Stratum Description                                                                 |                                                |    |
|------------------------------------------------------------------------------------|---------------|---------------|-----|-----|-----|----|-----------|---------------|---------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------------|----|
|                                                                                    |               | Depth (m)     | TCR | SCR | RQD | FI |           |               |         |                                                                                   |                                                                                     |                                                |    |
|  |               |               |     |     |     |    | 4.50      |               |         |  | Fill (Driller's Description)                                                        | 1                                              |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 2                                                                                   |                                                |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 3                                                                                   |                                                |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 4                                                                                   |                                                |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |   | Sand and Gravel (Driller's Description)        | 5  |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 6                                              |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 7                                              |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 8                                              |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 9                                              |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 10                                             |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 11                                             |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 12                                             |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 13                                             |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 14                                             |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 15                                             |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 16                                             |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |  | Mudstone and Sandstone (Driller's Description) | 17 |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 18                                             |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 19                                             |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 20                                             |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 21                                             |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | Old Workings (Driller's Description)           | 22 |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 23                                             |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |  | Mudstone (Driller's Description)               | 24 |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 25                                             |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 26                                             |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 27                                             |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 28                                             |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 29                                             |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     | 30                                             |    |
| End of Borehole at 30.00 m                                                         |               |               |     |     |     |    |           |               |         |                                                                                   | 30                                                                                  |                                                |    |
| 31                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     |                                                |    |
| 32                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     |                                                |    |
| 33                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     |                                                |    |
| 34                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     |                                                |    |
| 35                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     |                                                |    |
| 36                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     |                                                |    |
| 37                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     |                                                |    |
| 38                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     |                                                |    |
| 39                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     |                                                |    |
| 40                                                                                 |               |               |     |     |     |    |           |               |         |                                                                                   |                                                                                     |                                                |    |

|                                                                        |  |  |  |                                                                                                                                                                                                           |  |  |  |                                                                                                                                        |  |  |  |                                                                                       |  |
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| <b>Remarks:</b><br>1. Rotary open borehole to 30.0m.<br>2. Wet at 17m. |  |  |  | <b>Key:</b><br>D - Small disturbed sample<br>B - Bulk disturbed sample<br>ES - Environmental soil sample<br>SPT - Standard Penetration Test (split spoon)<br>CPT - Standard Penetration Test (solid cone) |  |  |  | W - Water sample<br>U - Undisturbed sample<br>TCR - Total Core Recovery<br>SCR - Solid Core Recovery<br>RQD - Rock Quality Designation |  |  |  |  |  |
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|  |  | Integral House, 7 Beddau Way<br>Castlegate Business Park<br>Caerphilly CF83 2AX<br>Tel. 029 20807991<br>Fax. 029 20862176<br>mail@integralgeotec.com |  | Project Name:<br><b>Dragon Parc, Abercanaid</b> |  |  |  | Project No.:<br><b>12888</b> |  | Borehole No.:<br><b>PH126</b><br>Sheet 1 of 1 |  |
| Location:<br><b>Merthyr Tydfil</b>                                               |  |                                                                                                                                                      |  | Client: <b>Davies Homes</b>                     |  |  |  | Coordinates:                 |  | Hole Type:<br><b>RO</b>                       |  |
| Equipment: <b>Klemm</b>                                                          |  |                                                                                                                                                      |  | Diameter of Casing: <b>115mm</b>                |  |  |  | Level:                       |  | Scale<br><b>1:200</b>                         |  |
| Diameter of Boring: <b>115mm</b>                                                 |  |                                                                                                                                                      |  | Depth of Casing: <b>21.00m</b>                  |  |  |  | Dates<br><b>03/08/2021 -</b> |  | Logged By:<br><b>Apex</b>                     |  |

| Well                                                                               | Water Strikes | Rotary Coring |     |     |     |    | Depth (m) | Level (m AOD) | N Value | Legend                                                                            | Stratum Description                                                                 |                                                       |    |
|------------------------------------------------------------------------------------|---------------|---------------|-----|-----|-----|----|-----------|---------------|---------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------|----|
|                                                                                    |               | Depth (m)     | TCR | SCR | RQD | FI |           |               |         |                                                                                   |                                                                                     |                                                       |    |
|  |               |               |     |     |     |    | 5.50      |               |         |  | Fill (Driller's Description)                                                        | 1                                                     |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 2                                                                                   |                                                       |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 3                                                                                   |                                                       |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 4                                                                                   |                                                       |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                   | 5                                                                                   |                                                       |    |
|                                                                                    |               |               |     |     |     |    |           | 18.70         |         |                                                                                   |   | Sand and Gravel (Driller's Description)               | 6  |
|                                                                                    |               |               |     |     |     |    | 7         |               |         |                                                                                   |                                                                                     |                                                       |    |
|                                                                                    |               |               |     |     |     |    | 8         |               |         |                                                                                   |                                                                                     |                                                       |    |
|                                                                                    |               |               |     |     |     |    | 9         |               |         |                                                                                   |                                                                                     |                                                       |    |
|                                                                                    |               |               |     |     |     |    | 10        |               |         |                                                                                   |                                                                                     |                                                       |    |
|                                                                                    |               |               |     |     |     |    | 11        |               |         |                                                                                   |                                                                                     |                                                       |    |
|                                                                                    |               |               |     |     |     |    | 12        |               |         |                                                                                   |                                                                                     |                                                       |    |
|                                                                                    |               |               |     |     |     |    | 13        |               |         |                                                                                   |                                                                                     |                                                       |    |
|                                                                                    |               |               |     |     |     |    | 14        |               |         |                                                                                   |                                                                                     |                                                       |    |
|                                                                                    |               |               |     |     |     |    | 15        |               |         |                                                                                   |                                                                                     |                                                       |    |
|                                                                                    |               |               |     |     |     |    |           | 20.70         |         |                                                                                   |  | Till (Driller's Description)                          | 16 |
|                                                                                    |               |               |     |     |     |    | 17        |               |         |                                                                                   |                                                                                     |                                                       |    |
|                                                                                    |               |               |     |     |     |    | 18        |               |         |                                                                                   |                                                                                     |                                                       |    |
|                                                                                    |               |               |     |     |     |    |           | 21.50         |         |                                                                                   |  | Mudstone (Driller's Description)                      | 19 |
|                                                                                    |               |               |     |     |     |    | 20        |               |         |                                                                                   |                                                                                     |                                                       |    |
|                                                                                    |               |               |     |     |     |    |           | 23.20         |         |                                                                                   |  | Coal (Driller's Description)                          | 21 |
|                                                                                    |               |               |     |     |     |    | 22        |               |         |                                                                                   |                                                                                     |                                                       |    |
|                                                                                    |               |               |     |     |     |    |           | 30.00         |         |                                                                                   |  | Mudstone with sandstone bands (Driller's Description) | 23 |
|                                                                                    |               |               |     |     |     |    | 24        |               |         |                                                                                   |                                                                                     |                                                       |    |
|                                                                                    |               |               |     |     |     |    | 25        |               |         |                                                                                   |                                                                                     |                                                       |    |
|                                                                                    |               |               |     |     |     |    | 26        |               |         |                                                                                   |                                                                                     |                                                       |    |
|                                                                                    |               |               |     |     |     |    | 27        |               |         |                                                                                   |                                                                                     |                                                       |    |
|                                                                                    |               |               |     |     |     |    | 28        |               |         |                                                                                   |                                                                                     |                                                       |    |
|                                                                                    |               |               |     |     |     |    | 29        |               |         |                                                                                   |                                                                                     |                                                       |    |
|                                                                                    |               |               |     |     |     |    | 30        |               |         |                                                                                   |                                                                                     |                                                       |    |
|                                                                                    |               |               |     |     |     |    |           |               |         | End of Borehole at 30.00 m                                                        | 31                                                                                  |                                                       |    |
|                                                                                    |               |               |     |     | 32  |    |           |               |         |                                                                                   |                                                                                     |                                                       |    |
|                                                                                    |               |               |     |     | 33  |    |           |               |         |                                                                                   |                                                                                     |                                                       |    |
|                                                                                    |               |               |     |     | 34  |    |           |               |         |                                                                                   |                                                                                     |                                                       |    |
|                                                                                    |               |               |     |     | 35  |    |           |               |         |                                                                                   |                                                                                     |                                                       |    |
|                                                                                    |               |               |     |     | 36  |    |           |               |         |                                                                                   |                                                                                     |                                                       |    |
|                                                                                    |               |               |     |     | 37  |    |           |               |         |                                                                                   |                                                                                     |                                                       |    |
|                                                                                    |               |               |     |     | 38  |    |           |               |         |                                                                                   |                                                                                     |                                                       |    |
|                                                                                    |               |               |     |     | 39  |    |           |               |         |                                                                                   |                                                                                     |                                                       |    |
|                                                                                    |               |               |     |     | 40  |    |           |               |         |                                                                                   |                                                                                     |                                                       |    |

|                                                     |  |                                                                                                                                                                                                           |  |                                                                                                                                        |  |                                                                                       |
|-----------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|
| <b>Remarks:</b><br>1. Rotary open borehole to 30.0m |  | <b>Key:</b><br>D - Small disturbed sample<br>B - Bulk disturbed sample<br>ES - Environmental soil sample<br>SPT - Standard Penetration Test (split spoon)<br>CPT - Standard Penetration Test (solid cone) |  | W - Water sample<br>U - Undisturbed sample<br>TCR - Total Core Recovery<br>SCR - Solid Core Recovery<br>RQD - Rock Quality Designation |  |  |
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|                                                                                  |  |                                                                                                                                                      |  |                                                 |  |  |  |                              |  |                                               |  |
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|  |  | Integral House, 7 Beddau Way<br>Castlegate Business Park<br>Caerphilly CF83 2AX<br>Tel. 029 20807991<br>Fax. 029 20862176<br>mail@integralgeotec.com |  | Project Name:<br><b>Dragon Parc, Abercanaid</b> |  |  |  | Project No.:<br><b>12888</b> |  | Borehole No.:<br><b>PH127</b><br>Sheet 1 of 1 |  |
| Location:<br><b>Merthyr Tydfil</b>                                               |  |                                                                                                                                                      |  | Client: <b>Davies Homes</b>                     |  |  |  | Coordinates:                 |  | Hole Type:<br><b>RO</b>                       |  |
| Equipment: <b>Fraste</b>                                                         |  |                                                                                                                                                      |  | Diameter of Casing: <b>115mm</b>                |  |  |  | Level:                       |  | Scale<br><b>1:200</b>                         |  |
| Diameter of Boring: <b>115mm</b>                                                 |  |                                                                                                                                                      |  | Depth of Casing: <b>13.20m</b>                  |  |  |  | Dates<br><b>26/07/2021 -</b> |  | Logged By:<br><b>Apex</b>                     |  |

| Well | Water Strikes | Rotary Coring |     |     |     |    | Depth (m) | Level (m AOD) | N Value | Legend | Stratum Description          |    |
|------|---------------|---------------|-----|-----|-----|----|-----------|---------------|---------|--------|------------------------------|----|
|      |               | Depth (m)     | TCR | SCR | RQD | FI |           |               |         |        |                              |    |
|      |               |               |     |     |     |    | 5.00      |               |         |        | Fill (Driller's Description) | 1  |
|      |               |               |     |     |     |    |           |               |         |        |                              | 2  |
|      |               |               |     |     |     |    |           |               |         |        |                              | 3  |
|      |               |               |     |     |     |    |           |               |         |        |                              | 4  |
|      |               |               |     |     |     |    |           |               |         |        |                              | 5  |
|      |               |               |     |     |     |    |           |               |         |        |                              | 6  |
|      |               |               |     |     |     |    |           |               |         |        |                              | 7  |
|      |               |               |     |     |     |    |           |               |         |        |                              | 8  |
|      |               |               |     |     |     |    |           |               |         |        |                              | 9  |
|      |               |               |     |     |     |    |           |               |         |        |                              | 10 |
|      |               |               |     |     |     |    |           |               |         |        |                              | 11 |
|      |               |               |     |     |     |    |           |               |         |        |                              | 12 |
|      |               |               |     |     |     |    |           |               |         |        |                              | 13 |
|      |               |               |     |     |     |    |           |               |         |        |                              | 14 |
|      |               |               |     |     |     |    |           |               |         |        |                              | 15 |
|      |               |               |     |     |     |    |           |               |         |        |                              | 16 |
|      |               |               |     |     |     |    |           |               |         |        |                              | 17 |
|      |               |               |     |     |     |    |           |               |         |        |                              | 18 |
|      |               |               |     |     |     |    |           |               |         |        |                              | 19 |
|      |               |               |     |     |     |    |           |               |         |        |                              | 20 |
|      |               |               |     |     |     |    |           |               |         |        |                              | 21 |
|      |               |               |     |     |     |    |           |               |         |        |                              | 22 |
|      |               |               |     |     |     |    |           |               |         |        |                              | 23 |
|      |               |               |     |     |     |    |           |               |         |        |                              | 24 |
|      |               |               |     |     |     |    |           |               |         |        |                              | 25 |
|      |               |               |     |     |     |    |           |               |         |        |                              | 26 |
|      |               |               |     |     |     |    |           |               |         |        |                              | 27 |
|      |               |               |     |     |     |    |           |               |         |        |                              | 28 |
|      |               |               |     |     |     |    |           |               |         |        |                              | 29 |
|      |               |               |     |     |     |    |           |               |         |        |                              | 30 |
|      |               |               |     |     |     |    |           |               |         | 31     |                              |    |
|      |               |               |     |     |     |    |           |               |         | 32     |                              |    |
|      |               |               |     |     |     |    |           |               |         | 33     |                              |    |
|      |               |               |     |     |     |    |           |               |         | 34     |                              |    |
|      |               |               |     |     |     |    |           |               |         | 35     |                              |    |
|      |               |               |     |     |     |    |           |               |         | 36     |                              |    |
|      |               |               |     |     |     |    |           |               |         | 37     |                              |    |
|      |               |               |     |     |     |    |           |               |         | 38     |                              |    |
|      |               |               |     |     |     |    |           |               |         | 39     |                              |    |
|      |               |               |     |     |     |    |           |               |         | 40     |                              |    |

|                                                                            |  |  |  |                                                                                                                                                                                                           |  |  |  |                                                                                                                                        |  |  |  |                                                                                       |  |
|----------------------------------------------------------------------------|--|--|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|----------------------------------------------------------------------------------------------------------------------------------------|--|--|--|---------------------------------------------------------------------------------------|--|
| <b>Remarks:</b><br>1. Rotary open borehole to 30.0m.<br>2. Wet from 19.0m. |  |  |  | <b>Key:</b><br>D - Small disturbed sample<br>B - Bulk disturbed sample<br>ES - Environmental soil sample<br>SPT - Standard Penetration Test (split spoon)<br>CPT - Standard Penetration Test (solid cone) |  |  |  | W - Water sample<br>U - Undisturbed sample<br>TCR - Total Core Recovery<br>SCR - Solid Core Recovery<br>RQD - Rock Quality Designation |  |  |  |  |  |
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|                                                                                  |  |                                                                                                                                                      |  |                                                 |  |  |  |                              |  |                                               |  |
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|  |  | Integral House, 7 Beddau Way<br>Castlegate Business Park<br>Caerphilly CF83 2AX<br>Tel. 029 20807991<br>Fax. 029 20862176<br>mail@integralgeotec.com |  | Project Name:<br><b>Dragon Parc, Abercanaid</b> |  |  |  | Project No.:<br><b>12888</b> |  | Borehole No.:<br><b>PH128</b><br>Sheet 1 of 1 |  |
| Location:<br><b>Merthyr Tydfil</b>                                               |  |                                                                                                                                                      |  | Client: <b>Davies Homes</b>                     |  |  |  | Coordinates:                 |  | Hole Type:<br><b>RO</b>                       |  |
| Equipment: <b>Fraste</b>                                                         |  |                                                                                                                                                      |  | Diameter of Casing: <b>115mm</b>                |  |  |  | Level:                       |  | Scale<br><b>1:200</b>                         |  |
| Diameter of Boring: <b>115mm</b>                                                 |  |                                                                                                                                                      |  | Depth of Casing: <b>13.20m</b>                  |  |  |  | Dates<br><b>27/07/2021 -</b> |  | Logged By:<br><b>Apex</b>                     |  |

| Well                                                                               | Water Strikes | Rotary Coring |     |     |     |    | Depth (m) | Level (m AOD) | N Value | Legend | Stratum Description          |    |
|------------------------------------------------------------------------------------|---------------|---------------|-----|-----|-----|----|-----------|---------------|---------|--------|------------------------------|----|
|                                                                                    |               | Depth (m)     | TCR | SCR | RQD | FI |           |               |         |        |                              |    |
|  |               |               |     |     |     |    |           |               |         |        | Fill (Driller's Description) | 1  |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                              | 2  |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                              | 3  |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                              | 4  |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                              | 5  |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                              | 6  |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                              | 7  |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                              | 8  |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                              | 9  |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                              | 10 |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                              | 11 |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                              | 12 |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                              | 13 |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                              | 14 |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                              | 15 |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                              | 16 |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                              | 17 |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                              | 18 |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                              | 19 |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                              | 20 |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                              | 21 |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                              | 22 |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                              | 23 |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                              | 24 |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                              | 25 |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                              | 26 |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                              | 27 |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                              | 28 |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                              | 29 |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                              | 30 |
|                                                                                    |               |               |     |     |     |    |           |               |         | 31     |                              |    |
|                                                                                    |               |               |     |     |     |    |           |               |         | 32     |                              |    |
|                                                                                    |               |               |     |     |     |    |           |               |         | 33     |                              |    |
|                                                                                    |               |               |     |     |     |    |           |               |         | 34     |                              |    |
|                                                                                    |               |               |     |     |     |    |           |               |         | 35     |                              |    |
|                                                                                    |               |               |     |     |     |    |           |               |         | 36     |                              |    |
|                                                                                    |               |               |     |     |     |    |           |               |         | 37     |                              |    |
|                                                                                    |               |               |     |     |     |    |           |               |         | 38     |                              |    |
|                                                                                    |               |               |     |     |     |    |           |               |         | 39     |                              |    |
|                                                                                    |               |               |     |     |     |    |           |               |         | 40     |                              |    |

|                                                                          |  |  |  |                                                                                                                                                                                                           |  |  |  |                                                                                                                                        |  |  |  |                                                                                       |
|--------------------------------------------------------------------------|--|--|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|----------------------------------------------------------------------------------------------------------------------------------------|--|--|--|---------------------------------------------------------------------------------------|
| <b>Remarks:</b><br>1. Rotary open borehole to 30.0m<br>2. Wet from 1.4m. |  |  |  | <b>Key:</b><br>D - Small disturbed sample<br>B - Bulk disturbed sample<br>ES - Environmental soil sample<br>SPT - Standard Penetration Test (split spoon)<br>CPT - Standard Penetration Test (solid cone) |  |  |  | W - Water sample<br>U - Undisturbed sample<br>TCR - Total Core Recovery<br>SCR - Solid Core Recovery<br>RQD - Rock Quality Designation |  |  |  |  |
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|                                                                                  |  |                                                                                                                                                      |  |                                                 |  |  |  |                              |  |                                               |  |
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|  |  | Integral House, 7 Beddau Way<br>Castlegate Business Park<br>Caerphilly CF83 2AX<br>Tel. 029 20807991<br>Fax. 029 20862176<br>mail@integralgeotec.com |  | Project Name:<br><b>Dragon Parc, Abercanaid</b> |  |  |  | Project No.:<br><b>12888</b> |  | Borehole No.:<br><b>PH129</b><br>Sheet 1 of 1 |  |
| Location:<br><b>Merthyr Tydfil</b>                                               |  |                                                                                                                                                      |  | Client: <b>Davies Homes</b>                     |  |  |  | Coordinates:                 |  | Hole Type:<br><b>RO</b>                       |  |
| Equipment: <b>Fraste</b>                                                         |  |                                                                                                                                                      |  | Diameter of Casing: <b>115mm</b>                |  |  |  | Level:                       |  | Scale<br><b>1:200</b>                         |  |
| Diameter of Boring: <b>115mm</b>                                                 |  |                                                                                                                                                      |  | Depth of Casing: <b>13.20m</b>                  |  |  |  | Dates<br><b>27/08/2021 -</b> |  | Logged By:<br><b>Apex</b>                     |  |

| Well                                                                               | Water Strikes | Rotary Coring |     |     |     |    | Depth (m) | Level (m AOD) | N Value | Legend                     | Stratum Description                     |                                                       |    |
|------------------------------------------------------------------------------------|---------------|---------------|-----|-----|-----|----|-----------|---------------|---------|----------------------------|-----------------------------------------|-------------------------------------------------------|----|
|                                                                                    |               | Depth (m)     | TCR | SCR | RQD | FI |           |               |         |                            |                                         |                                                       |    |
|  |               |               |     |     |     |    | 2.00      |               |         |                            | Fill (Driller's Description)            | 1                                                     |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                            | Sand and Gravel (Driller's Description) | 2                                                     |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                            |                                         | 3                                                     |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                            |                                         | 4                                                     |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                            |                                         | 5                                                     |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                            |                                         | 6                                                     |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                            |                                         | 7                                                     |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                            |                                         | 8                                                     |    |
|                                                                                    |               |               |     |     |     |    |           | 8.90          |         |                            |                                         | Till (Driller's Description)                          | 9  |
|                                                                                    |               |               |     |     |     |    |           | 10.50         |         |                            |                                         |                                                       | 10 |
|                                                                                    |               |               |     |     |     |    |           |               |         |                            |                                         | Mudstone with sandstone bands (Driller's Description) | 11 |
|                                                                                    |               |               |     |     |     |    |           |               |         |                            |                                         |                                                       | 12 |
|                                                                                    |               |               |     |     |     |    |           |               |         |                            |                                         |                                                       | 13 |
|                                                                                    |               |               |     |     |     |    |           |               |         |                            |                                         |                                                       | 14 |
|                                                                                    |               |               |     |     |     |    |           |               |         |                            |                                         |                                                       | 15 |
|                                                                                    |               |               |     |     |     |    |           | 16.60         |         |                            |                                         |                                                       | 16 |
|                                                                                    |               |               |     |     |     |    |           |               |         |                            |                                         | Coal (Driller's Description)                          | 17 |
|                                                                                    |               |               |     |     |     |    |           | 18.10         |         |                            |                                         |                                                       | 18 |
|                                                                                    |               |               |     |     |     |    |           |               |         |                            |                                         | Mudstone with sandstone bands (Driller's Description) | 19 |
|                                                                                    |               |               |     |     |     |    |           |               |         |                            |                                         |                                                       | 20 |
|                                                                                    |               |               |     |     |     |    |           |               |         |                            |                                         |                                                       | 21 |
|                                                                                    |               |               |     |     |     |    |           |               |         |                            |                                         |                                                       | 22 |
|                                                                                    |               |               |     |     |     |    |           |               |         |                            |                                         |                                                       | 23 |
|                                                                                    |               |               |     |     |     |    |           | 24.50         |         |                            |                                         |                                                       | 24 |
|                                                                                    |               |               |     |     |     |    |           |               |         |                            |                                         | Coal (Driller's Description)                          | 25 |
|                                                                                    |               |               |     |     |     |    |           | 25.80         |         |                            |                                         |                                                       | 26 |
|                                                                                    |               |               |     |     |     |    |           |               |         |                            |                                         | Mudstone with sandstone (Driller's Description)       | 27 |
|                                                                                    |               |               |     |     |     |    |           |               |         |                            |                                         |                                                       | 28 |
|                                                                                    |               |               |     |     |     |    |           |               |         |                            |                                         |                                                       | 29 |
|                                                                                    |               |               |     |     |     |    |           | 30.00         |         |                            |                                         |                                                       | 30 |
|                                                                                    |               |               |     |     |     |    |           |               |         | End of Borehole at 30.00 m | 31                                      |                                                       |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                            | 32                                      |                                                       |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                            | 33                                      |                                                       |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                            | 34                                      |                                                       |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                            | 35                                      |                                                       |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                            | 36                                      |                                                       |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                            | 37                                      |                                                       |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                            | 38                                      |                                                       |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                            | 39                                      |                                                       |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                            | 40                                      |                                                       |    |

|                                                                          |  |  |  |                                                                                                                                                                                                           |  |  |  |                                                                                                                                        |  |  |  |                                                                                       |  |
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| <b>Remarks:</b><br>1. Rotary open borehole to 30.0m.<br>2. Wet at 14.5m. |  |  |  | <b>Key:</b><br>D - Small disturbed sample<br>B - Bulk disturbed sample<br>ES - Environmental soil sample<br>SPT - Standard Penetration Test (split spoon)<br>CPT - Standard Penetration Test (solid cone) |  |  |  | W - Water sample<br>U - Undisturbed sample<br>TCR - Total Core Recovery<br>SCR - Solid Core Recovery<br>RQD - Rock Quality Designation |  |  |  |  |  |
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|                                                                                  |  |                                                                                                                                                      |  |                                                 |  |  |  |                              |  |                                               |  |
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|  |  | Integral House, 7 Beddau Way<br>Castlegate Business Park<br>Caerphilly CF83 2AX<br>Tel. 029 20807991<br>Fax. 029 20862176<br>mail@integralgeotec.com |  | Project Name:<br><b>Dragon Parc, Abercanaid</b> |  |  |  | Project No.:<br><b>12888</b> |  | Borehole No.:<br><b>PH130</b><br>Sheet 1 of 1 |  |
| Location:<br><b>Merthyr Tydfil</b>                                               |  |                                                                                                                                                      |  | Client: <b>Davies Homes</b>                     |  |  |  | Coordinates:                 |  | Hole Type:<br><b>RO</b>                       |  |
| Equipment: <b>Fraste</b>                                                         |  |                                                                                                                                                      |  | Diameter of Casing: <b>115mm</b>                |  |  |  | Level:                       |  | Scale<br><b>1:200</b>                         |  |
| Diameter of Boring: <b>115mm</b>                                                 |  |                                                                                                                                                      |  | Depth of Casing: <b>13.20m</b>                  |  |  |  | Dates<br><b>28/07/2021 -</b> |  | Logged By:<br><b>Apex</b>                     |  |

| Well                                                                               | Water Strikes | Rotary Coring |     |     |     |    | Depth (m) | Level (m AOD) | N Value | Legend | Stratum Description                       |    |
|------------------------------------------------------------------------------------|---------------|---------------|-----|-----|-----|----|-----------|---------------|---------|--------|-------------------------------------------|----|
|                                                                                    |               | Depth (m)     | TCR | SCR | RQD | FI |           |               |         |        |                                           |    |
|  |               |               |     |     |     |    | 2.80      |               |         |        | Concrete and Fill (Driller's Description) | 1  |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                           | 2  |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                           | 3  |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                           | 4  |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                           | 5  |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                           | 6  |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                           | 7  |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                           | 8  |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                           | 9  |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                           | 10 |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                           | 11 |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                           | 12 |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                           | 13 |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                           | 14 |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                           | 15 |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                           | 16 |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                           | 17 |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                           | 18 |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                           | 19 |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                           | 20 |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                           | 21 |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                           | 22 |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                           | 23 |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                           | 24 |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                           | 25 |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                           | 26 |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                           | 27 |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                           | 28 |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                           | 29 |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                           | 30 |
|                                                                                    |               |               |     |     |     |    |           |               |         | 31     |                                           |    |
|                                                                                    |               |               |     |     |     |    |           |               |         | 32     |                                           |    |
|                                                                                    |               |               |     |     |     |    |           |               |         | 33     |                                           |    |
|                                                                                    |               |               |     |     |     |    |           |               |         | 34     |                                           |    |
|                                                                                    |               |               |     |     |     |    |           |               |         | 35     |                                           |    |
|                                                                                    |               |               |     |     |     |    |           |               |         | 36     |                                           |    |
|                                                                                    |               |               |     |     |     |    |           |               |         | 37     |                                           |    |
|                                                                                    |               |               |     |     |     |    |           |               |         | 38     |                                           |    |
|                                                                                    |               |               |     |     |     |    |           |               |         | 39     |                                           |    |
|                                                                                    |               |               |     |     |     |    |           |               |         | 40     |                                           |    |

|                                                                            |  |  |  |                                                                                                                                                                                                           |  |  |  |                                                                                                                                        |  |  |  |                                                                                       |  |
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| <b>Remarks:</b><br>1. Rotary open borehole to 30.0m.<br>2. Wet from 15.0m. |  |  |  | <b>Key:</b><br>D - Small disturbed sample<br>B - Bulk disturbed sample<br>ES - Environmental soil sample<br>SPT - Standard Penetration Test (split spoon)<br>CPT - Standard Penetration Test (solid cone) |  |  |  | W - Water sample<br>U - Undisturbed sample<br>TCR - Total Core Recovery<br>SCR - Solid Core Recovery<br>RQD - Rock Quality Designation |  |  |  |  |  |
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|  |  | Integral House, 7 Beddau Way<br>Castlegate Business Park<br>Caerphilly CF83 2AX<br>Tel. 029 20807991<br>Fax. 029 20862176<br>mail@integralgeotec.com |  | Project Name:<br><b>Dragon Parc, Abercanaid</b> |  |  |  | Project No.:<br><b>12888</b> |  | Borehole No.:<br><b>PH131</b><br>Sheet 1 of 1 |  |
| Location:<br><b>Merthyr Tydfil</b>                                               |  |                                                                                                                                                      |  | Client: <b>Davies Homes</b>                     |  |  |  | Coordinates:                 |  | Hole Type:<br><b>RO</b>                       |  |
| Equipment: <b>Fraste</b>                                                         |  |                                                                                                                                                      |  | Diameter of Casing: <b>115mm</b>                |  |  |  | Level:                       |  | Scale<br><b>1:200</b>                         |  |
| Diameter of Boring: <b>115mm</b>                                                 |  |                                                                                                                                                      |  | Depth of Casing: <b>16.20m</b>                  |  |  |  | Dates<br><b>29/07/2021 -</b> |  | Logged By:<br><b>Apex</b>                     |  |

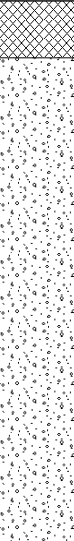
| Well                                                                               | Water Strikes | Rotary Coring |     |     |     |    | Depth (m) | Level (m AOD) | N Value | Legend | Stratum Description                     |                                                       |                            |
|------------------------------------------------------------------------------------|---------------|---------------|-----|-----|-----|----|-----------|---------------|---------|--------|-----------------------------------------|-------------------------------------------------------|----------------------------|
|                                                                                    |               | Depth (m)     | TCR | SCR | RQD | FI |           |               |         |        |                                         |                                                       |                            |
|  |               |               |     |     |     |    | 1.90      |               |         |        | Fill (Driller's Description)            | 1                                                     |                            |
|                                                                                    |               |               |     |     |     |    |           |               |         |        | Sand and Gravel (Driller's Description) | 2                                                     |                            |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                         | 3                                                     |                            |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                         | 4                                                     |                            |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                         | 5                                                     |                            |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                         | 6                                                     |                            |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                         | 7                                                     |                            |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                         | 8                                                     |                            |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                         | 9                                                     |                            |
|                                                                                    |               |               |     |     |     |    |           | 9.80          |         |        |                                         | Till (Driller's Description)                          | 10                         |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                         |                                                       | 11                         |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                         |                                                       | 12                         |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                         |                                                       | 13                         |
|                                                                                    |               |               |     |     |     |    |           | 14.10         |         |        |                                         | Mudstone with sandstone bands (Driller's Description) | 14                         |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                         |                                                       | 15                         |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                         |                                                       | 16                         |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                         |                                                       | 17                         |
|                                                                                    |               |               |     |     |     |    |           | 18.30         |         |        |                                         | Coal (Driller's Description)                          | 18                         |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                         |                                                       | 19                         |
|                                                                                    |               |               |     |     |     |    |           | 19.80         |         |        |                                         | Mudstone with sandstone bands (Driller's Description) | 20                         |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                         |                                                       | 21                         |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                         |                                                       | 22                         |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                         |                                                       | 23                         |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                         |                                                       | 24                         |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                         |                                                       | 25                         |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                         |                                                       | 26                         |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                         |                                                       | 27                         |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                         |                                                       | 28                         |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                         |                                                       | 29                         |
|                                                                                    |               |               |     |     |     |    |           | 30.00         |         |        |                                         |                                                       | End of Borehole at 30.00 m |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                         | 31                                                    |                            |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                         | 32                                                    |                            |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                         | 33                                                    |                            |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                         | 34                                                    |                            |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                         | 35                                                    |                            |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                         | 36                                                    |                            |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                         | 37                                                    |                            |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                         | 38                                                    |                            |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                         | 39                                                    |                            |
|                                                                                    |               |               |     |     |     |    |           |               |         |        |                                         | 40                                                    |                            |

|                                                                            |  |  |  |                                                                                                                                                                                                           |  |  |  |                                                                                                                                        |  |  |  |                                                                                       |  |
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| <b>Remarks:</b><br>1. Rotary open borehole to 30.0m<br>2. Wet below 16.0m. |  |  |  | <b>Key:</b><br>D - Small disturbed sample<br>B - Bulk disturbed sample<br>ES - Environmental soil sample<br>SPT - Standard Penetration Test (split spoon)<br>CPT - Standard Penetration Test (solid cone) |  |  |  | W - Water sample<br>U - Undisturbed sample<br>TCR - Total Core Recovery<br>SCR - Solid Core Recovery<br>RQD - Rock Quality Designation |  |  |  |  |  |
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|                                                                                  |  |                                                                                                                                                      |  |                                                 |  |  |  |                              |  |                                               |  |
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|  |  | Integral House, 7 Beddau Way<br>Castlegate Business Park<br>Caerphilly CF83 2AX<br>Tel. 029 20807991<br>Fax. 029 20862176<br>mail@integralgeotec.com |  | Project Name:<br><b>Dragon Parc, Abercanaid</b> |  |  |  | Project No.:<br><b>12888</b> |  | Borehole No.:<br><b>PH132</b><br>Sheet 1 of 1 |  |
| Location:<br><b>Merthyr Tydfil</b>                                               |  |                                                                                                                                                      |  | Client: <b>Davies Homes</b>                     |  |  |  | Coordinates:                 |  | Hole Type:<br><b>RO</b>                       |  |
| Equipment: <b>Fraste</b>                                                         |  |                                                                                                                                                      |  | Diameter of Casing: <b>132mm</b>                |  |  |  | Level:                       |  | Scale<br><b>1:200</b>                         |  |
| Diameter of Boring: <b>115mm</b>                                                 |  |                                                                                                                                                      |  | Depth of Casing: <b>18.00m</b>                  |  |  |  | Dates<br><b>29/07/2021 -</b> |  | Logged By:<br><b>Apex</b>                     |  |

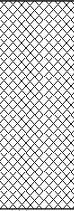
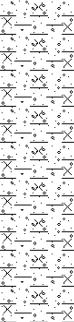
| Well                                                                               | Water Strikes | Rotary Coring |     |     |     |    | Depth (m) | Level (m AOD) | N Value | Legend                                                                             | Stratum Description          |   |
|------------------------------------------------------------------------------------|---------------|---------------|-----|-----|-----|----|-----------|---------------|---------|------------------------------------------------------------------------------------|------------------------------|---|
|                                                                                    |               | Depth (m)     | TCR | SCR | RQD | FI |           |               |         |                                                                                    |                              |   |
|  |               |               |     |     |     |    | 1.50      |               |         |  | Fill (Driller's Description) | 1 |
|                                                                                    |               |               |     |     |     |    |           |               |         | Sand and Gravel (Driller's Description)                                            | 2                            |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                    | 3                            |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                    | 4                            |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                    | 5                            |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                    | 6                            |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                    | 7                            |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                    | 8                            |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                    | 9                            |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                    | 10                           |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                    | 11                           |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                    | 12                           |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                    | 13                           |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                    | 14                           |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                    | 15                           |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                    | 16                           |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                    | 17                           |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                    | 18                           |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                    | 19                           |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                    | 20                           |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                    | 21                           |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                    | 22                           |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                    | 23                           |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                    | 24                           |   |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                    | 25                           |   |
|                                                                                    |               | 26            |     |     |     |    |           |               |         |                                                                                    |                              |   |
|                                                                                    |               | 27            |     |     |     |    |           |               |         |                                                                                    |                              |   |
|                                                                                    |               | 28            |     |     |     |    |           |               |         |                                                                                    |                              |   |
|                                                                                    |               | 29            |     |     |     |    |           |               |         |                                                                                    |                              |   |
|                                                                                    |               | 30            |     |     |     |    |           |               |         |                                                                                    |                              |   |
|                                                                                    |               | 31            |     |     |     |    |           |               |         |                                                                                    |                              |   |
|                                                                                    |               | 32            |     |     |     |    |           |               |         |                                                                                    |                              |   |
|                                                                                    |               | 33            |     |     |     |    |           |               |         |                                                                                    |                              |   |
|                                                                                    |               | 34            |     |     |     |    |           |               |         |                                                                                    |                              |   |
|                                                                                    |               | 35            |     |     |     |    |           |               |         |                                                                                    |                              |   |
|                                                                                    |               | 36            |     |     |     |    |           |               |         |                                                                                    |                              |   |
|                                                                                    |               | 37            |     |     |     |    |           |               |         |                                                                                    |                              |   |
|                                                                                    |               | 38            |     |     |     |    |           |               |         |                                                                                    |                              |   |
|                                                                                    |               | 39            |     |     |     |    |           |               |         |                                                                                    |                              |   |
|                                                                                    |               | 40            |     |     |     |    |           |               |         |                                                                                    |                              |   |

|                                                                             |  |  |  |                                                                                                                                                                                                           |  |  |  |                                                                                                                                        |  |  |  |                                                                                       |  |
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| <b>Remarks:</b><br>1. Rotary open borehole to 30.0m.<br>2. Wet below 18.0m. |  |  |  | <b>Key:</b><br>D - Small disturbed sample<br>B - Bulk disturbed sample<br>ES - Environmental soil sample<br>SPT - Standard Penetration Test (split spoon)<br>CPT - Standard Penetration Test (solid cone) |  |  |  | W - Water sample<br>U - Undisturbed sample<br>TCR - Total Core Recovery<br>SCR - Solid Core Recovery<br>RQD - Rock Quality Designation |  |  |  |  |  |
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|  |  | Integral House, 7 Beddau Way<br>Castlegate Business Park<br>Caerphilly CF83 2AX<br>Tel. 029 20807991<br>Fax. 029 20862176<br>mail@integralgeotec.com |  | Project Name:<br><b>Dragon Parc, Abercanaid</b> |  |  |  | Project No.:<br><b>12888</b> |  | Borehole No.:<br><b>PH133</b><br>Sheet 1 of 1 |  |
| Location:<br><b>Merthyr Tydfil</b>                                               |  |                                                                                                                                                      |  | Client: <b>Davies Homes</b>                     |  |  |  | Coordinates:                 |  | Hole Type:<br><b>RO</b>                       |  |
| Equipment: <b>Klemm</b>                                                          |  |                                                                                                                                                      |  | Diameter of Casing: <b>115mm</b>                |  |  |  | Level:                       |  | Scale<br><b>1:200</b>                         |  |
| Diameter of Boring: <b>115mm</b>                                                 |  |                                                                                                                                                      |  | Depth of Casing: <b>30.00m</b>                  |  |  |  | Dates<br><b>03/08/2021 -</b> |  | Logged By:<br><b>Apex</b>                     |  |

| Well                                                                               | Water Strikes | Rotary Coring |     |     |     |    | Depth (m) | Level (m AOD) | N Value | Legend                                                                              | Stratum Description                                      |    |
|------------------------------------------------------------------------------------|---------------|---------------|-----|-----|-----|----|-----------|---------------|---------|-------------------------------------------------------------------------------------|----------------------------------------------------------|----|
|                                                                                    |               | Depth (m)     | TCR | SCR | RQD | FI |           |               |         |                                                                                     |                                                          |    |
|  |               |               |     |     |     |    | 5.50      |               |         |    | Fill (Driller's Description)                             | 1  |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                     | 2                                                        |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                     | 3                                                        |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                     | 4                                                        |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                     | 5                                                        |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |   | Sand gravelly clay with boulders (Driller's Description) | 6  |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                     | 7                                                        |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                     | 8                                                        |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                     | 9                                                        |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                     | 10                                                       |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                     | 11                                                       |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                     | 12                                                       |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                     | 13                                                       |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                     | 14                                                       |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                     | 15                                                       |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |  | Sand and Gravel (Driller's Description)                  | 16 |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                     | 17                                                       |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                     | 18                                                       |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                     | 19                                                       |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                     | 20                                                       |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                     | 21                                                       |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                     | 22                                                       |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                     | 23                                                       |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                     | 24                                                       |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                     | 25                                                       |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |  | Mudstone (Driller's Description)                         | 26 |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                     | 27                                                       |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                     | 28                                                       |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                     | 29                                                       |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                     | 30                                                       |    |
|                                                                                    |               |               |     |     |     |    | 30.00     |               |         | End of Borehole at 30.00 m                                                          |                                                          | 31 |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                     | 32                                                       |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                     | 33                                                       |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                     | 34                                                       |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                     | 35                                                       |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                     | 36                                                       |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                     | 37                                                       |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                     | 38                                                       |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                     | 39                                                       |    |
|                                                                                    |               |               |     |     |     |    |           |               |         |                                                                                     | 40                                                       |    |

|                                                      |  |  |  |                                                                                                                                                                                                           |  |  |  |                                                                                                                                        |  |  |  |                                                                                       |  |
|------------------------------------------------------|--|--|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|----------------------------------------------------------------------------------------------------------------------------------------|--|--|--|---------------------------------------------------------------------------------------|--|
| <b>Remarks:</b><br>1. Rotary open borehole to 30.0m. |  |  |  | <b>Key:</b><br>D - Small disturbed sample<br>B - Bulk disturbed sample<br>ES - Environmental soil sample<br>SPT - Standard Penetration Test (split spoon)<br>CPT - Standard Penetration Test (solid cone) |  |  |  | W - Water sample<br>U - Undisturbed sample<br>TCR - Total Core Recovery<br>SCR - Solid Core Recovery<br>RQD - Rock Quality Designation |  |  |  |  |  |
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|                                                                                  |  |                                                                                                                                                      |  |                                                 |  |  |  |                              |  |                                               |  |
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|  |  | Integral House, 7 Beddau Way<br>Castlegate Business Park<br>Caerphilly CF83 2AX<br>Tel. 029 20807991<br>Fax. 029 20862176<br>mail@integralgeotec.com |  | Project Name:<br><b>Dragon Parc, Abercanaid</b> |  |  |  | Project No.:<br><b>12888</b> |  | Borehole No.:<br><b>PH134</b><br>Sheet 1 of 1 |  |
| Location:<br><b>Merthyr Tydfil</b>                                               |  |                                                                                                                                                      |  | Client: <b>Davies Homes</b>                     |  |  |  | Coordinates:                 |  | Hole Type:<br><b>RO</b>                       |  |
| Equipment: <b>Klemm</b>                                                          |  |                                                                                                                                                      |  | Diameter of Casing: <b>115mm</b>                |  |  |  | Level:                       |  | Scale<br><b>1:200</b>                         |  |
| Diameter of Boring: <b>115mm</b>                                                 |  |                                                                                                                                                      |  | Depth of Casing: <b>10.50m</b>                  |  |  |  | Dates<br><b>04/08/2021 -</b> |  | Logged By:<br><b>Apex</b>                     |  |

| Well | Water Strikes | Rotary Coring |     |     |     |    | Depth (m) | Level (m AOD) | N Value                    | Legend | Stratum Description                                   |    |
|------|---------------|---------------|-----|-----|-----|----|-----------|---------------|----------------------------|--------|-------------------------------------------------------|----|
|      |               | Depth (m)     | TCR | SCR | RQD | FI |           |               |                            |        |                                                       |    |
|      |               |               |     |     |     |    | 2.70      |               |                            |        | Fill (Driller's Description)                          | 1  |
|      |               |               |     |     |     |    |           |               |                            |        |                                                       | 2  |
|      |               |               |     |     |     |    |           |               |                            |        | Sand and Gravel (Driller's Description)               | 3  |
|      |               |               |     |     |     |    |           |               |                            |        |                                                       | 4  |
|      |               |               |     |     |     |    |           |               |                            |        |                                                       | 5  |
|      |               |               |     |     |     |    |           |               |                            |        |                                                       | 6  |
|      |               |               |     |     |     |    |           |               |                            |        |                                                       | 7  |
|      |               |               |     |     |     |    |           |               |                            |        | Till (Driller's Description)                          | 8  |
|      |               |               |     |     |     |    |           |               |                            |        |                                                       | 9  |
|      |               |               |     |     |     |    |           |               |                            |        |                                                       | 10 |
|      |               |               |     |     |     |    |           |               |                            |        | Mudstone with sandstone bands (Driller's Description) | 11 |
|      |               |               |     |     |     |    |           |               |                            |        |                                                       | 12 |
|      |               |               |     |     |     |    |           |               |                            |        |                                                       | 13 |
|      |               |               |     |     |     |    |           |               |                            |        |                                                       | 14 |
|      |               |               |     |     |     |    |           |               |                            |        |                                                       | 15 |
|      |               |               |     |     |     |    |           |               |                            |        | Coal (Driller's Description)                          | 16 |
|      |               |               |     |     |     |    |           |               |                            |        |                                                       | 17 |
|      |               |               |     |     |     |    |           |               |                            |        | Mudstone with sandstone bands (Driller's Description) | 18 |
|      |               |               |     |     |     |    |           |               |                            |        |                                                       | 19 |
|      |               |               |     |     |     |    |           |               |                            |        |                                                       | 20 |
|      |               |               |     |     |     |    |           |               |                            |        |                                                       | 21 |
|      |               |               |     |     |     |    |           |               |                            |        |                                                       | 22 |
|      |               |               |     |     |     |    |           |               |                            |        | Old Workings (Driller's Description)                  | 23 |
|      |               |               |     |     |     |    |           |               |                            |        |                                                       | 24 |
|      |               |               |     |     |     |    |           |               |                            |        | Mudstone and Sandstone (Driller's Description)        | 25 |
|      |               |               |     |     |     |    |           |               |                            |        |                                                       | 26 |
|      |               |               |     |     |     |    |           |               |                            |        |                                                       | 27 |
|      |               |               |     |     |     |    |           |               |                            |        |                                                       | 28 |
|      |               |               |     |     |     |    |           |               |                            |        |                                                       | 29 |
|      |               |               |     |     |     |    |           |               |                            |        |                                                       | 30 |
|      |               |               |     |     |     |    |           |               | End of Borehole at 30.00 m | 31     |                                                       |    |
|      |               |               |     |     |     |    |           |               |                            | 32     |                                                       |    |
|      |               |               |     |     |     |    |           |               |                            | 33     |                                                       |    |
|      |               |               |     |     |     |    |           |               |                            | 34     |                                                       |    |
|      |               |               |     |     |     |    |           |               |                            | 35     |                                                       |    |
|      |               |               |     |     |     |    |           |               |                            | 36     |                                                       |    |
|      |               |               |     |     |     |    |           |               |                            | 37     |                                                       |    |
|      |               |               |     |     |     |    |           |               |                            | 38     |                                                       |    |
|      |               |               |     |     |     |    |           |               |                            | 39     |                                                       |    |
|      |               |               |     |     |     |    |           |               |                            | 40     |                                                       |    |

|                                                                         |  |  |  |                                                                                                                                                                                                           |  |  |  |                                                                                                                                        |  |  |  |                                                                                       |  |
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| <b>Remarks:</b><br>1. Rotary open borehole to 30.0m<br>2. Wet at 12.0m. |  |  |  | <b>Key:</b><br>D - Small disturbed sample<br>B - Bulk disturbed sample<br>ES - Environmental soil sample<br>SPT - Standard Penetration Test (split spoon)<br>CPT - Standard Penetration Test (solid cone) |  |  |  | W - Water sample<br>U - Undisturbed sample<br>TCR - Total Core Recovery<br>SCR - Solid Core Recovery<br>RQD - Rock Quality Designation |  |  |  |  |  |
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|                                                                                  |  |                                                                                                                                                      |  |                                                 |  |  |  |                              |  |                                               |  |
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|  |  | Integral House, 7 Beddau Way<br>Castlegate Business Park<br>Caerphilly CF83 2AX<br>Tel. 029 20807991<br>Fax. 029 20862176<br>mail@integralgeotec.com |  | Project Name:<br><b>Dragon Parc, Abercanaid</b> |  |  |  | Project No.:<br><b>12888</b> |  | Borehole No.:<br><b>PH135</b><br>Sheet 1 of 1 |  |
| Location:<br><b>Merthyr Tydfil</b>                                               |  |                                                                                                                                                      |  | Client: <b>Davies Homes</b>                     |  |  |  | Coordinates:                 |  | Hole Type:<br><b>RO</b>                       |  |
| Equipment: <b>Klemm</b>                                                          |  |                                                                                                                                                      |  | Diameter of Casing: <b>115mm</b>                |  |  |  | Level:                       |  | Scale<br><b>1:200</b>                         |  |
| Diameter of Boring: <b>115mm</b>                                                 |  |                                                                                                                                                      |  | Depth of Casing: <b>12.00m</b>                  |  |  |  | Dates<br><b>13/08/2021 -</b> |  | Logged By:<br><b>Apex</b>                     |  |

| Well                                                                               | Water Strikes                                                                      | Rotary Coring |     |     |     |    | Depth (m) | Level (m AOD) | N Value | Legend | Stratum Description                 |    |    |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|---------------|-----|-----|-----|----|-----------|---------------|---------|--------|-------------------------------------|----|----|
|                                                                                    |                                                                                    | Depth (m)     | TCR | SCR | RQD | FI |           |               |         |        |                                     |    |    |
|  |  |               |     |     |     |    |           |               |         |        | Made Ground (Driller's Description) | 1  |    |
|                                                                                    |                                                                                    |               |     |     |     |    |           |               |         |        |                                     | 2  |    |
|                                                                                    |                                                                                    |               |     |     |     |    |           |               |         |        |                                     |    | 3  |
|                                                                                    |                                                                                    |               |     |     |     |    |           |               |         |        |                                     |    | 4  |
|                                                                                    |                                                                                    |               |     |     |     |    |           |               |         |        |                                     |    | 5  |
|                                                                                    |                                                                                    |               |     |     |     |    |           |               |         |        |                                     |    | 6  |
|                                                                                    |                                                                                    |               |     |     |     |    |           |               |         |        |                                     |    | 7  |
|                                                                                    |                                                                                    |               |     |     |     |    |           |               |         |        |                                     |    | 8  |
|                                                                                    |                                                                                    |               |     |     |     |    |           |               |         |        |                                     |    | 9  |
|                                                                                    |                                                                                    |               |     |     |     |    |           |               |         |        |                                     |    | 10 |
|                                                                                    |                                                                                    |               |     |     |     |    |           |               |         |        |                                     |    | 11 |
|                                                                                    |                                                                                    |               |     |     |     |    |           |               |         |        |                                     |    | 12 |
|                                                                                    |                                                                                    |               |     |     |     |    |           |               |         |        |                                     |    | 13 |
|                                                                                    |                                                                                    |               |     |     |     |    |           |               |         |        |                                     |    | 14 |
|                                                                                    |                                                                                    |               |     |     |     |    |           |               |         |        |                                     |    | 15 |
|                                                                                    |                                                                                    |               |     |     |     |    |           |               |         |        |                                     |    | 16 |
|                                                                                    |                                                                                    |               |     |     |     |    |           |               |         |        |                                     |    | 17 |
|                                                                                    |                                                                                    |               |     |     |     |    |           |               |         |        |                                     |    | 18 |
|                                                                                    |                                                                                    |               |     |     |     |    |           |               |         |        |                                     |    | 19 |
|                                                                                    |                                                                                    |               |     |     |     |    |           |               |         |        |                                     |    | 20 |
|                                                                                    |                                                                                    |               |     |     |     |    |           |               |         |        |                                     | 21 |    |
|                                                                                    |                                                                                    |               |     |     |     |    |           |               |         |        |                                     | 22 |    |
|                                                                                    |                                                                                    |               |     |     |     |    |           |               |         |        |                                     | 23 |    |
|                                                                                    |                                                                                    |               |     |     |     |    |           |               |         |        |                                     | 24 |    |
|                                                                                    |                                                                                    |               |     |     |     |    |           |               |         |        |                                     | 25 |    |
|                                                                                    |                                                                                    |               |     |     |     |    |           |               |         |        |                                     | 26 |    |
|                                                                                    |                                                                                    |               |     |     |     |    |           |               |         |        |                                     | 27 |    |
|                                                                                    |                                                                                    |               |     |     |     |    |           |               |         |        |                                     | 28 |    |
|                                                                                    |                                                                                    |               |     |     |     |    |           |               |         |        |                                     | 29 |    |
|                                                                                    |                                                                                    |               |     |     |     |    |           |               |         |        |                                     | 30 |    |
|                                                                                    |                                                                                    |               |     |     |     |    |           |               |         |        |                                     | 31 |    |
|                                                                                    |                                                                                    |               |     |     |     |    |           |               |         |        |                                     | 32 |    |
|                                                                                    |                                                                                    |               |     |     |     |    |           |               |         |        |                                     | 33 |    |
|                                                                                    |                                                                                    |               |     |     |     |    |           |               |         |        |                                     | 34 |    |
|                                                                                    |                                                                                    |               |     |     |     |    |           |               |         |        |                                     | 35 |    |
|                                                                                    |                                                                                    |               |     |     |     |    |           |               |         |        |                                     | 36 |    |
|                                                                                    |                                                                                    |               |     |     |     |    |           |               |         |        |                                     | 37 |    |
|                                                                                    |                                                                                    |               |     |     |     |    |           |               |         |        |                                     | 38 |    |
|                                                                                    |                                                                                    |               |     |     |     |    |           |               |         |        |                                     | 39 |    |
|                                                                                    |                                                                                    |               |     |     |     |    |           |               |         |        |                                     | 40 |    |

|                                                                                              |  |  |  |                                                                                                                                                                                                           |  |  |  |                                                                                                                                        |  |  |  |                                                                                       |  |
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| <b>Remarks:</b><br>1. Rotary open borehole to 30.0m.<br>2. Groundwater encountered at 22.0m. |  |  |  | <b>Key:</b><br>D - Small disturbed sample<br>B - Bulk disturbed sample<br>ES - Environmental soil sample<br>SPT - Standard Penetration Test (split spoon)<br>CPT - Standard Penetration Test (solid cone) |  |  |  | W - Water sample<br>U - Undisturbed sample<br>TCR - Total Core Recovery<br>SCR - Solid Core Recovery<br>RQD - Rock Quality Designation |  |  |  |  |  |
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|                                                                                  |  |                                                                                                                                                      |  |                                                 |  |  |  |                              |  |                                               |  |
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|  |  | Intégral House, 7 Beddau Way<br>Castlegate Business Park<br>Caerphilly CF83 2AX<br>Tel. 029 20807991<br>Fax. 029 20862176<br>mail@integralgeotec.com |  | Project Name:<br><b>Dragon Parc, Abercanaid</b> |  |  |  | Project No.:<br><b>12888</b> |  | Borehole No.:<br><b>PH136</b><br>Sheet 1 of 1 |  |
| Location:<br><b>Merthyr Tydfil</b>                                               |  |                                                                                                                                                      |  | Client: <b>Davies Homes</b>                     |  |  |  | Coordinates:                 |  | Hole Type:<br><b>RO</b>                       |  |
| Equipment: <b>Klemm</b>                                                          |  |                                                                                                                                                      |  | Diameter of Casing: <b>115mm</b>                |  |  |  | Level:                       |  | Scale<br><b>1:200</b>                         |  |
| Diameter of Boring: <b>115mm</b>                                                 |  |                                                                                                                                                      |  | Depth of Casing: <b>19.00m</b>                  |  |  |  | Dates<br><b>12/08/2021 -</b> |  | Logged By:<br><b>Apex</b>                     |  |

| Well                                                                               | Water Strikes                                                                              | Rotary Coring |     |     |     |    | Depth (m) | Level (m AOD) | N Value | Legend | Stratum Description                 |                                                       |                            |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|---------------|-----|-----|-----|----|-----------|---------------|---------|--------|-------------------------------------|-------------------------------------------------------|----------------------------|
|                                                                                    |                                                                                            | Depth (m)     | TCR | SCR | RQD | FI |           |               |         |        |                                     |                                                       |                            |
|  | <br>10.00 |               |     |     |     |    | 5.50      |               |         |        | Made Ground (Driller's Description) | 1                                                     |                            |
|                                                                                    |                                                                                            |               |     |     |     |    |           |               |         |        |                                     | 2                                                     |                            |
|                                                                                    |                                                                                            |               |     |     |     |    |           |               |         |        |                                     |                                                       | 3                          |
|                                                                                    |                                                                                            |               |     |     |     |    |           |               |         |        |                                     |                                                       | 4                          |
|                                                                                    |                                                                                            |               |     |     |     |    |           |               |         |        |                                     |                                                       | 5                          |
|                                                                                    |                                                                                            |               |     |     |     |    |           |               |         |        |                                     | Sand and Gravel (Driller's Description)               | 6                          |
|                                                                                    |                                                                                            |               |     |     |     |    |           |               |         |        |                                     |                                                       | 7                          |
|                                                                                    |                                                                                            |               |     |     |     |    |           |               |         |        |                                     |                                                       | 8                          |
|                                                                                    |                                                                                            |               |     |     |     |    |           |               |         |        |                                     |                                                       | 9                          |
|                                                                                    |                                                                                            |               |     |     |     |    |           |               |         |        |                                     |                                                       | 10                         |
|                                                                                    |                                                                                            |               |     |     |     |    |           |               |         |        |                                     |                                                       | 11                         |
|                                                                                    |                                                                                            |               |     |     |     |    |           |               |         |        |                                     |                                                       | 12                         |
|                                                                                    |                                                                                            |               |     |     |     |    |           |               |         |        |                                     |                                                       | 13                         |
|                                                                                    |                                                                                            |               |     |     |     |    |           |               |         |        |                                     |                                                       | 14                         |
|                                                                                    |                                                                                            |               |     |     |     |    |           |               |         |        |                                     |                                                       | 15                         |
|                                                                                    |                                                                                            |               |     |     |     |    |           |               |         |        |                                     |                                                       | 16                         |
|                                                                                    |                                                                                            |               |     |     |     |    |           |               |         |        |                                     |                                                       | 17                         |
|                                                                                    |                                                                                            |               |     |     |     |    |           | 18.30         |         |        |                                     | Mudstone (Driller's Description)                      | 18                         |
|                                                                                    |                                                                                            |               |     |     |     |    |           | 18.50         |         |        |                                     | Coal (Driller's Description)                          | 19                         |
|                                                                                    |                                                                                            |               |     |     |     |    |           | 18.70         |         |        |                                     | Mudstone (Driller's Description)                      | 20                         |
|                                                                                    |                                                                                            |               |     |     |     |    |           | 19.90         |         |        |                                     | Coal (Driller's Description)                          | 21                         |
|                                                                                    |                                                                                            |               |     |     |     |    |           | 21.80         |         |        |                                     | Mudstone (Driller's Description)                      | 22                         |
|                                                                                    |                                                                                            |               |     |     |     |    |           | 22.50         |         |        |                                     | Coal (Driller's Description)                          | 23                         |
|                                                                                    |                                                                                            |               |     |     |     |    |           | 22.80         |         |        |                                     | Mudstone with sandstone bands (Driller's Description) | 24                         |
|                                                                                    |                                                                                            |               |     |     |     |    |           |               |         |        |                                     |                                                       | 25                         |
|                                                                                    |                                                                                            |               |     |     |     |    |           |               |         |        |                                     |                                                       | 26                         |
|                                                                                    |                                                                                            |               |     |     |     |    |           |               |         |        |                                     |                                                       | 27                         |
|                                                                                    |                                                                                            |               |     |     |     |    |           |               |         |        |                                     |                                                       | 28                         |
|                                                                                    |                                                                                            |               |     |     |     |    |           |               |         |        |                                     |                                                       | 29                         |
|                                                                                    |                                                                                            |               |     |     |     |    |           | 30.00         |         |        |                                     |                                                       | End of Borehole at 30.00 m |
|                                                                                    |                                                                                            |               |     |     |     |    |           |               |         |        | 31                                  |                                                       |                            |
|                                                                                    |                                                                                            |               |     |     |     |    |           |               |         |        | 32                                  |                                                       |                            |
|                                                                                    |                                                                                            |               |     |     |     |    |           |               |         |        | 33                                  |                                                       |                            |
|                                                                                    |                                                                                            |               |     |     |     |    |           |               |         |        | 34                                  |                                                       |                            |
|                                                                                    |                                                                                            |               |     |     |     |    |           |               |         |        | 35                                  |                                                       |                            |
|                                                                                    |                                                                                            |               |     |     |     |    |           |               |         |        | 36                                  |                                                       |                            |
|                                                                                    |                                                                                            |               |     |     |     |    |           |               |         |        | 37                                  |                                                       |                            |
|                                                                                    |                                                                                            |               |     |     |     |    |           |               |         |        | 38                                  |                                                       |                            |
|                                                                                    |                                                                                            |               |     |     |     |    |           |               |         |        | 39                                  |                                                       |                            |
|                                                                                    |                                                                                            |               |     |     |     |    |           |               |         |        | 40                                  |                                                       |                            |

|                                                                                              |  |  |  |                                                                                                                                                                                                           |  |  |  |                                                                                                                                        |  |  |  |                                                                                       |  |
|----------------------------------------------------------------------------------------------|--|--|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|----------------------------------------------------------------------------------------------------------------------------------------|--|--|--|---------------------------------------------------------------------------------------|--|
| <b>Remarks:</b><br>1. Rotary open borehole to 30.0m.<br>2. Groundwater encountered at 10.0m. |  |  |  | <b>Key:</b><br>D - Small disturbed sample<br>B - Bulk disturbed sample<br>ES - Environmental soil sample<br>SPT - Standard Penetration Test (split spoon)<br>CPT - Standard Penetration Test (solid cone) |  |  |  | W - Water sample<br>U - Undisturbed sample<br>TCR - Total Core Recovery<br>SCR - Solid Core Recovery<br>RQD - Rock Quality Designation |  |  |  |  |  |
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|                                                                                  |  |                                                                                                                                                      |  |                                                 |  |  |  |                              |  |                                               |  |
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|  |  | Integral House, 7 Beddau Way<br>Castlegate Business Park<br>Caerphilly CF83 2AX<br>Tel. 029 20807991<br>Fax. 029 20862176<br>mail@integralgeotec.com |  | Project Name:<br><b>Dragon Parc, Abercanaid</b> |  |  |  | Project No.:<br><b>12888</b> |  | Borehole No.:<br><b>PH137</b><br>Sheet 1 of 1 |  |
| Location:<br><b>Merthyr Tydfil</b>                                               |  |                                                                                                                                                      |  | Client: <b>Davies Homes</b>                     |  |  |  | Coordinates:                 |  | Hole Type:<br><b>RO</b>                       |  |
| Equipment: <b>Klemm</b>                                                          |  |                                                                                                                                                      |  | Diameter of Casing: <b>115mm</b>                |  |  |  | Level:                       |  | Scale<br><b>1:200</b>                         |  |
| Diameter of Boring: <b>115mm</b>                                                 |  |                                                                                                                                                      |  | Depth of Casing: <b>15.00m</b>                  |  |  |  | Dates<br><b>11/08/2021 -</b> |  | Logged By:<br><b>Apex</b>                     |  |

| Well | Water Strikes | Rotary Coring |     |     |     |    | Depth (m) | Level (m AOD) | N Value | Legend | Stratum Description                 |   |  |  |  |  |  |       |  |  |  |                                         |   |
|------|---------------|---------------|-----|-----|-----|----|-----------|---------------|---------|--------|-------------------------------------|---|--|--|--|--|--|-------|--|--|--|-----------------------------------------|---|
|      |               | Depth (m)     | TCR | SCR | RQD | FI |           |               |         |        |                                     |   |  |  |  |  |  |       |  |  |  |                                         |   |
|      |               |               |     |     |     |    | 6.00      |               |         |        | Made Ground (Driller's Description) | 1 |  |  |  |  |  |       |  |  |  |                                         |   |
|      |               |               |     |     |     |    |           |               |         |        | 2                                   |   |  |  |  |  |  |       |  |  |  |                                         |   |
|      |               |               |     |     |     |    |           |               |         |        | 3                                   |   |  |  |  |  |  |       |  |  |  |                                         |   |
|      |               |               |     |     |     |    |           |               |         |        | 4                                   |   |  |  |  |  |  |       |  |  |  |                                         |   |
|      |               |               |     |     |     |    |           |               |         |        | 5                                   |   |  |  |  |  |  |       |  |  |  |                                         |   |
|      |               |               |     |     |     |    |           |               |         |        | 6                                   |   |  |  |  |  |  |       |  |  |  |                                         |   |
|      |               |               |     |     |     |    |           |               |         |        |                                     |   |  |  |  |  |  | 15.50 |  |  |  | Sand and Gravel (Driller's Description) | 7 |
|      |               |               |     |     |     |    |           |               |         |        |                                     |   |  |  |  |  |  |       |  |  |  | 8                                       |   |
|      |               |               |     |     |     |    |           |               |         |        |                                     |   |  |  |  |  |  |       |  |  |  | 9                                       |   |
|      |               |               |     |     |     |    |           |               |         |        |                                     |   |  |  |  |  |  |       |  |  |  | 10                                      |   |
|      |               |               |     |     |     |    |           |               |         |        |                                     |   |  |  |  |  |  |       |  |  |  | 11                                      |   |
|      |               |               |     |     |     |    |           |               |         |        |                                     |   |  |  |  |  |  |       |  |  |  | 12                                      |   |
|      |               |               |     |     |     |    |           |               |         |        |                                     |   |  |  |  |  |  |       |  |  |  | 13                                      |   |
|      |               |               |     |     |     |    |           |               |         |        |                                     |   |  |  |  |  |  |       |  |  |  | 14                                      |   |
|      |               |               |     |     |     |    |           |               |         |        |                                     |   |  |  |  |  |  |       |  |  |  | 15                                      |   |
|      |               |               |     |     |     |    |           |               |         |        |                                     |   |  |  |  |  |  |       |  |  |  | 16                                      |   |
|      |               |               |     |     |     |    |           |               |         |        |                                     |   |  |  |  |  |  |       |  |  |  | 17                                      |   |
|      |               |               |     |     |     |    |           |               |         |        |                                     |   |  |  |  |  |  |       |  |  |  | 18                                      |   |
|      |               |               |     |     |     |    |           |               |         |        |                                     |   |  |  |  |  |  |       |  |  |  | 19                                      |   |
|      |               |               |     |     |     |    |           |               |         |        |                                     |   |  |  |  |  |  |       |  |  |  | 20                                      |   |
| 21   |               |               |     |     |     |    |           |               |         |        |                                     |   |  |  |  |  |  |       |  |  |  |                                         |   |
| 22   |               |               |     |     |     |    |           |               |         |        |                                     |   |  |  |  |  |  |       |  |  |  |                                         |   |
| 23   |               |               |     |     |     |    |           |               |         |        |                                     |   |  |  |  |  |  |       |  |  |  |                                         |   |
| 24   |               |               |     |     |     |    |           |               |         |        |                                     |   |  |  |  |  |  |       |  |  |  |                                         |   |
| 25   |               |               |     |     |     |    |           |               |         |        |                                     |   |  |  |  |  |  |       |  |  |  |                                         |   |
| 26   |               |               |     |     |     |    |           |               |         |        |                                     |   |  |  |  |  |  |       |  |  |  |                                         |   |
| 27   |               |               |     |     |     |    |           |               |         |        |                                     |   |  |  |  |  |  |       |  |  |  |                                         |   |
| 28   |               |               |     |     |     |    |           |               |         |        |                                     |   |  |  |  |  |  |       |  |  |  |                                         |   |
| 29   |               |               |     |     |     |    |           |               |         |        |                                     |   |  |  |  |  |  |       |  |  |  |                                         |   |
| 30   |               |               |     |     |     |    |           |               |         |        |                                     |   |  |  |  |  |  |       |  |  |  |                                         |   |
| 31   |               |               |     |     |     |    |           |               |         |        |                                     |   |  |  |  |  |  |       |  |  |  |                                         |   |
| 32   |               |               |     |     |     |    |           |               |         |        |                                     |   |  |  |  |  |  |       |  |  |  |                                         |   |
| 33   |               |               |     |     |     |    |           |               |         |        |                                     |   |  |  |  |  |  |       |  |  |  |                                         |   |
| 34   |               |               |     |     |     |    |           |               |         |        |                                     |   |  |  |  |  |  |       |  |  |  |                                         |   |
| 35   |               |               |     |     |     |    |           |               |         |        |                                     |   |  |  |  |  |  |       |  |  |  |                                         |   |
| 36   |               |               |     |     |     |    |           |               |         |        |                                     |   |  |  |  |  |  |       |  |  |  |                                         |   |
| 37   |               |               |     |     |     |    |           |               |         |        |                                     |   |  |  |  |  |  |       |  |  |  |                                         |   |
| 38   |               |               |     |     |     |    |           |               |         |        |                                     |   |  |  |  |  |  |       |  |  |  |                                         |   |
| 39   |               |               |     |     |     |    |           |               |         |        |                                     |   |  |  |  |  |  |       |  |  |  |                                         |   |
| 40   |               |               |     |     |     |    |           |               |         |        |                                     |   |  |  |  |  |  |       |  |  |  |                                         |   |

|                                                      |  |  |  |                                                                                                                                                                                                           |  |  |  |                                                                                                                                        |  |  |  |                                                                                       |  |
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| <b>Remarks:</b><br>1. Rotary open borehole to 30.0m. |  |  |  | <b>Key:</b><br>D - Small disturbed sample<br>B - Bulk disturbed sample<br>ES - Environmental soil sample<br>SPT - Standard Penetration Test (split spoon)<br>CPT - Standard Penetration Test (solid cone) |  |  |  | W - Water sample<br>U - Undisturbed sample<br>TCR - Total Core Recovery<br>SCR - Solid Core Recovery<br>RQD - Rock Quality Designation |  |  |  |  |  |
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|                                                                                  |  |                                                                                                                                                      |  |                                                 |  |  |  |                              |  |                                               |  |
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|  |  | Integral House, 7 Beddau Way<br>Castlegate Business Park<br>Caerphilly CF83 2AX<br>Tel. 029 20807991<br>Fax. 029 20862176<br>mail@integralgeotec.com |  | Project Name:<br><b>Dragon Parc, Abercanaid</b> |  |  |  | Project No.:<br><b>12888</b> |  | Borehole No.:<br><b>PH138</b><br>Sheet 1 of 1 |  |
| Location:<br><b>Merthyr Tydfil</b>                                               |  |                                                                                                                                                      |  | Client: <b>Davies Homes</b>                     |  |  |  | Coordinates:                 |  | Hole Type:<br><b>RO</b>                       |  |
| Equipment: <b>Klemm</b>                                                          |  |                                                                                                                                                      |  | Diameter of Casing: <b>115mm</b>                |  |  |  | Level:                       |  | Scale<br><b>1:200</b>                         |  |
| Diameter of Boring: <b>115mm</b>                                                 |  |                                                                                                                                                      |  | Depth of Casing: <b>17.00m</b>                  |  |  |  | Dates<br><b>10/08/2021 -</b> |  | Logged By:<br><b>Apex</b>                     |  |

| Well                                                                               | Water Strikes                                                                              | Rotary Coring |     |     |     |    | Depth (m) | Level (m AOD) | N Value | Legend | Stratum Description                                   |    |    |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|---------------|-----|-----|-----|----|-----------|---------------|---------|--------|-------------------------------------------------------|----|----|
|                                                                                    |                                                                                            | Depth (m)     | TCR | SCR | RQD | FI |           |               |         |        |                                                       |    |    |
|  | <br>12.00 |               |     |     |     |    |           |               |         |        | Made Ground (Driller's Description)                   | 1  |    |
|                                                                                    |                                                                                            |               |     |     |     |    |           |               |         |        |                                                       |    | 2  |
|                                                                                    |                                                                                            |               |     |     |     |    |           |               |         |        |                                                       |    | 3  |
|                                                                                    |                                                                                            |               |     |     |     |    |           |               |         |        |                                                       |    | 4  |
|                                                                                    |                                                                                            |               |     |     |     |    |           |               |         |        |                                                       |    | 5  |
|                                                                                    |                                                                                            |               |     |     |     |    |           |               |         |        |                                                       |    | 6  |
|                                                                                    |                                                                                            |               |     |     |     |    |           |               |         |        |                                                       |    | 7  |
|                                                                                    |                                                                                            |               |     |     |     |    |           |               |         |        |                                                       |    | 8  |
|                                                                                    |                                                                                            |               |     |     |     |    |           |               |         |        |                                                       |    | 9  |
|                                                                                    |                                                                                            |               |     |     |     |    |           |               |         |        |                                                       |    | 10 |
|                                                                                    |                                                                                            |               |     |     |     |    |           |               |         |        |                                                       |    | 11 |
|                                                                                    |                                                                                            |               |     |     |     |    |           |               |         |        |                                                       |    | 12 |
|                                                                                    |                                                                                            |               |     |     |     |    |           |               |         |        |                                                       |    | 13 |
|                                                                                    |                                                                                            |               |     |     |     |    |           |               |         |        |                                                       |    | 14 |
|                                                                                    |                                                                                            |               |     |     |     |    |           |               |         |        |                                                       |    | 15 |
|                                                                                    |                                                                                            |               |     |     |     |    |           |               |         |        | Mudstone with sandstone bands (Driller's Description) | 16 |    |
|                                                                                    |                                                                                            |               |     |     |     |    |           |               |         |        |                                                       | 17 |    |
|                                                                                    |                                                                                            |               |     |     |     |    |           |               |         |        |                                                       | 18 |    |
|                                                                                    |                                                                                            |               |     |     |     |    |           |               |         |        |                                                       | 19 |    |
|                                                                                    |                                                                                            |               |     |     |     |    |           |               |         |        |                                                       | 20 |    |
|                                                                                    |                                                                                            |               |     |     |     |    |           |               |         |        |                                                       | 21 |    |
|                                                                                    |                                                                                            |               |     |     |     |    |           |               |         |        |                                                       | 22 |    |
|                                                                                    |                                                                                            |               |     |     |     |    |           |               |         |        |                                                       | 23 |    |
|                                                                                    |                                                                                            |               |     |     |     |    |           |               |         |        |                                                       | 24 |    |
|                                                                                    |                                                                                            |               |     |     |     |    |           |               |         |        |                                                       | 25 |    |
|                                                                                    |                                                                                            |               |     |     |     |    |           |               |         |        |                                                       | 26 |    |
|                                                                                    |                                                                                            |               |     |     |     |    |           |               |         |        |                                                       | 27 |    |
|                                                                                    |                                                                                            |               |     |     |     |    |           |               |         |        | Coal (Driller's Description)                          | 28 |    |
|                                                                                    |                                                                                            |               |     |     |     |    |           |               |         |        | Mudstone (Driller's Description)                      | 29 |    |
|                                                                                    |                                                                                            |               |     |     |     |    |           |               |         |        | Coal (Driller's Description)                          | 30 |    |
|                                                                                    |                                                                                            |               |     |     |     |    |           |               |         |        | Mudstone with sandstone bands (Driller's Description) | 31 |    |
|                                                                                    |                                                                                            |               |     |     |     |    |           |               |         |        | End of Borehole at 30.00 m                            | 32 |    |
|                                                                                    |                                                                                            |               |     |     |     |    |           |               |         |        |                                                       | 33 |    |
|                                                                                    |                                                                                            |               |     |     |     |    |           |               |         |        |                                                       | 34 |    |
|                                                                                    |                                                                                            |               |     |     |     |    |           |               |         |        |                                                       | 35 |    |
|                                                                                    |                                                                                            |               |     |     |     |    |           |               |         |        |                                                       | 36 |    |
|                                                                                    |                                                                                            |               |     |     |     |    |           |               |         |        |                                                       | 37 |    |
|                                                                                    |                                                                                            |               |     |     |     |    |           |               |         |        |                                                       | 38 |    |
|                                                                                    |                                                                                            |               |     |     |     |    |           |               |         |        |                                                       | 39 |    |
|                                                                                    |                                                                                            |               |     |     |     |    |           |               |         |        |                                                       | 40 |    |

|                                                                                              |  |                                                                                                                                                                                                           |  |                                                                                                                                        |  |                                                                                       |
|----------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|
| <b>Remarks:</b><br>1. Rotary open borehole to 30.0m.<br>2. Groundwater encountered at 12.0m. |  | <b>Key:</b><br>D - Small disturbed sample<br>B - Bulk disturbed sample<br>ES - Environmental soil sample<br>SPT - Standard Penetration Test (split spoon)<br>CPT - Standard Penetration Test (solid cone) |  | W - Water sample<br>U - Undisturbed sample<br>TCR - Total Core Recovery<br>SCR - Solid Core Recovery<br>RQD - Rock Quality Designation |  |  |
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## **APPENDIX E**

### **GROUND GAS MONITORING RESULTS**



## FIELD GAS MONITORING RESULTS - SUMMARY

Job No.: 12888  
 Site: Dragon Parc Merthyr Tydfil

| Maximum Methane Concentration (%v/v) | Maximum Carbon Dioxide Concentration (%v/v) | Maximum Gas Concentration (%v/v) | Maximum Gas Flow Rate (l/hr) | GSV (l/hr) |
|--------------------------------------|---------------------------------------------|----------------------------------|------------------------------|------------|
| 2.10                                 | 2.30                                        | 2.30                             | <0.3                         | <0.0069    |

| Methane  |         |         |         |         |         |         |         |
|----------|---------|---------|---------|---------|---------|---------|---------|
| Location | Round 1 | Round 2 | Round 3 | Round 4 | Round 5 | Round 6 | Maximum |
| PH 1     | <0.5    | 0.20    | 0.10    | 0.10    | 0.20    | 0.10    | <0.50   |
| PH 9     | <0.5    | 0.10    | 0.20    | 0.10    | 0.10    | 0.20    | <0.50   |
| PH 10    | <0.5    | 2.10    | 1.90    | 1.20    | 1.30    | 1.20    | 2.10    |
| PH 13    | <0.5    | 0.90    | 0.70    | 0.90    | 0.80    | 0.50    | 0.90    |
| PH 16    | <0.5    | 0.10    | 0.20    | <0.5    | <0.5    | <0.5    | <0.50   |
| PH 18    | <0.5    | 0.10    | 0.10    | 0.10    | 0.20    | 0.20    | <0.50   |
|          |         |         |         |         |         |         |         |
|          |         |         |         |         |         |         |         |
|          |         |         |         |         |         |         |         |

| Carbon Dioxide |         |         |         |         |         |         |         |
|----------------|---------|---------|---------|---------|---------|---------|---------|
| Location       | Round 1 | Round 2 | Round 3 | Round 4 | Round 5 | Round 6 | Maximum |
| PH 1           | 0.60    | 0.50    | 0.40    | 0.30    | 0.10    | 0.10    | 0.60    |
| PH 9           | 2.10    | 1.10    | 0.90    | 0.50    | 0.60    | 0.50    | 2.10    |
| PH 10          | 0.40    | 0.70    | 0.60    | 0.30    | 0.20    | 0.10    | 0.70    |
| PH 13          | 0.10    | 2.20    | 2.30    | 2.10    | 1.90    | 1.40    | 2.30    |
| PH 16          | 0.30    | 1.80    | 1.70    | 1.40    | 1.20    | 1.20    | 1.80    |
| PH 18          | 0.10    | 0.10    | 0.30    | 0.10    | 0.20    | 0.20    | 0.30    |
|                |         |         |         |         |         |         |         |
|                |         |         |         |         |         |         |         |
|                |         |         |         |         |         |         |         |

| Oxygen   |         |         |         |         |         |         |         |
|----------|---------|---------|---------|---------|---------|---------|---------|
| Location | Round 1 | Round 2 | Round 3 | Round 4 | Round 5 | Round 6 | Minimum |
| PH 1     | 21.20   | 21.10   | 21.20   | 20.90   | 20.20   | 19.80   | 19.80   |
| PH 9     | 18.10   | 20.40   | 20.20   | 20.50   | 19.90   | 20.10   | 18.10   |
| PH 10    | 20.20   | 18.40   | 19.20   | 18.90   | 19.70   | 18.80   | 18.40   |
| PH 13    | 20.10   | 10.40   | 12.10   | 14.20   | 16.10   | 17.20   | 10.40   |
| PH 16    | 20.20   | 14.10   | 15.20   | 18.10   | 19.60   | 19.60   | 14.10   |
| PH 18    | 20.10   | 19.40   | 20.10   | 20.30   | 19.80   | 19.80   | 19.40   |
|          |         |         |         |         |         |         |         |
|          |         |         |         |         |         |         |         |
|          |         |         |         |         |         |         |         |

| Gas Flow Rate |         |         |         |         |         |         |         |
|---------------|---------|---------|---------|---------|---------|---------|---------|
| Location      | Round 1 | Round 2 | Round 3 | Round 4 | Round 5 | Round 6 | Maximum |
| PH 1          | <0.3    | <0.3    | <0.3    | <0.3    | <0.3    | <0.3    | <0.30   |
| PH 9          | <0.3    | <0.3    | <0.3    | <0.3    | <0.3    | <0.3    | <0.30   |
| PH 10         | <0.3    | <0.3    | <0.3    | <0.3    | <0.3    | <0.3    | <0.30   |
| PH 13         | <0.3    | <0.3    | <0.3    | <0.3    | <0.3    | <0.3    | <0.30   |
| PH 16         | <0.3    | <0.3    | <0.3    | <0.3    | <0.3    | <0.3    | <0.30   |
| PH 18         | <0.3    | <0.3    | <0.3    | <0.3    | <0.3    | <0.3    | <0.30   |
|               |         |         |         |         |         |         |         |
|               |         |         |         |         |         |         |         |
|               |         |         |         |         |         |         |         |

## FIELD GAS MONITORING RESULTS

Job No.: 12888  
 Site: Dragon Parc Merthyr Tydfil  
 Monitoring Date: 24.04.19  
 Monitoring Round: 1

### Monitoring Conditions

Weather: Raining  
 Ambient Temp: 8 °C  
 Instrument: GA5000

### Barometric Pressure (mb)

On Arrival: 978  
 During Monitoring: 978  
 End of Monitoring: 978

| Location | Well Base Level<br>(mbgl) | Water Level<br>(mbgl) | Methane (CH4) %v/v |        | Methane % LEL |        | Oxygen (O2) %v/v |        | Carbon Dioxide (CO2) %v/v |        | Carbon Monoxide<br>(CO)<br>(ppm) | Hydrogen<br>Sulphide (H2S)<br>(ppm) | Peak Gas Flow<br>(l/hr) | VOC Vapours<br>(ppm>background) |
|----------|---------------------------|-----------------------|--------------------|--------|---------------|--------|------------------|--------|---------------------------|--------|----------------------------------|-------------------------------------|-------------------------|---------------------------------|
|          |                           |                       | Peak               | Steady | Peak          | Steady | Peak             | Steady | Peak                      | Steady |                                  |                                     |                         |                                 |
| PH 1     | 5.02                      | 4.84                  |                    | <0.5   |               |        | 21.20            | 21.20  | 0.60                      | 0.60   | <1                               | <1                                  | <0.3                    | 3.10                            |
| PH 9     | 3.07                      | Dry                   |                    | <0.5   |               |        | 18.10            | 18.10  | 2.10                      | 2.10   | <1                               | <1                                  | <0.3                    | 0.40                            |
| PH 10    | 3.56                      | Dry                   |                    | <0.5   |               |        | 20.20            | 20.20  | 0.40                      | 0.20   | <1                               | <1                                  | <0.3                    | 2.80                            |
| PH 13    | 4.05                      | Dry                   |                    | <0.5   |               |        | 20.10            | 20.10  | 0.10                      | 0.10   | <1                               | <1                                  | <0.3                    | 0.80                            |
| PH 16    | 3.26                      | Dry                   |                    | <0.5   |               |        | 20.20            | 20.20  | 0.30                      | 0.20   | <1                               | <1                                  | <0.3                    | 1.50                            |
| PH 18    | 3.18                      | Dry                   |                    | <0.5   |               |        | 20.10            | 20.20  | 0.10                      | 0.10   | <1                               | <1                                  | <0.3                    | 0.40                            |
|          |                           |                       |                    |        |               |        |                  |        |                           |        |                                  |                                     |                         |                                 |
|          |                           |                       |                    |        |               |        |                  |        |                           |        |                                  |                                     |                         |                                 |
|          |                           |                       |                    |        |               |        |                  |        |                           |        |                                  |                                     |                         |                                 |
|          |                           |                       |                    |        |               |        |                  |        |                           |        |                                  |                                     |                         |                                 |

**Typical Instrument Accuracy:**

|                  |                |                    |                       |                                                                          |
|------------------|----------------|--------------------|-----------------------|--------------------------------------------------------------------------|
| %CH <sub>4</sub> | 0-70% +/- 0.5% | CO                 | 0-500ppm +/- 2% FS    | LEL = Lower Explosive Limit<br>N/R = No Reading Taken<br>FS = Full Scale |
| %CO <sub>2</sub> | 0-60% +/- 0.5% | H <sub>2</sub> S   | 0-5000ppm +/- 2.0% FS |                                                                          |
| %O <sub>2</sub>  | 0-25% +/- 1.0% | Flow from borehole | +/- 0.3l/h            |                                                                          |

**Notes:**

## FIELD GAS MONITORING RESULTS

Job No.: 12888  
 Site: Dragon Parc Merthyr Tydfil  
 Monitoring Date: 10/05/2019  
 Monitoring Round: 2

### Monitoring Conditions

Weather: Cloudy  
 Ambient Temp: 13 °C  
 Instrument: GA5000

### Barometric Pressure (mb)

On Arrival: 991  
 During Monitoring: 991  
 End of Monitoring: 991

| Location                                                                                                                                                                                                                                                                                                                                                                                                                                         | Well Base Level<br>(mbgl) | Water Level<br>(mbgl) | Methane (CH4) %v/v |        | Methane % LEL |        | Oxygen (O2) %v/v |        | Carbon Dioxide (CO2) %v/v |        | Carbon Monoxide<br>(CO)<br>(ppm) | Hydrogen<br>Sulphide (H2S)<br>(ppm) | Peak Gas Flow<br>(l/hr) | VOC Vapours<br>(ppm>background) |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-----------------------|--------------------|--------|---------------|--------|------------------|--------|---------------------------|--------|----------------------------------|-------------------------------------|-------------------------|---------------------------------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                           |                       | Peak               | Steady | Peak          | Steady | Peak             | Steady | Peak                      | Steady |                                  |                                     |                         |                                 |
| PH1                                                                                                                                                                                                                                                                                                                                                                                                                                              | 5.02                      | 4.80                  | 0.20               | 0.20   | 4.00          | 4.00   | 21.10            | 21.10  | 0.50                      | 0.50   | <1                               | <1                                  | <0.3                    | 0.20                            |
| PH9                                                                                                                                                                                                                                                                                                                                                                                                                                              | 3.07                      | 2.90                  | 0.10               | 0.10   | 2.00          | 2.00   | 20.40            | 20.40  | 1.10                      | 0.80   | <1                               | <1                                  | <0.3                    | 0.20                            |
| PH10                                                                                                                                                                                                                                                                                                                                                                                                                                             | 3.56                      | Dry                   | 2.10               | 2.10   | 42.00         | 42.00  | 18.40            | 18.40  | 0.70                      | 0.70   | <1                               | <1                                  | <0.3                    | 0.80                            |
| PH13                                                                                                                                                                                                                                                                                                                                                                                                                                             | 4.05                      | Dry                   | 0.90               | 0.60   | 18.00         | 12.00  | 10.40            | 10.50  | 2.20                      | 2.20   | <1                               | <1                                  | <0.3                    | 1.00                            |
| PH16                                                                                                                                                                                                                                                                                                                                                                                                                                             | 3.26                      | Dry                   | 0.10               | 0.10   | 2.00          | 2.00   | 14.10            | 14.10  | 1.80                      | 1.80   | <1                               | <1                                  | <0.3                    | 2.90                            |
| PH18                                                                                                                                                                                                                                                                                                                                                                                                                                             | 3.18                      | 3.0                   | 0.10               | 0.10   | 2.00          | 2.00   | 19.40            | 19.40  | 0.10                      | 0.10   | <1                               | <1                                  | <0.3                    | 0.10                            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                           |                       |                    |        |               |        |                  |        |                           |        |                                  |                                     |                         |                                 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                           |                       |                    |        |               |        |                  |        |                           |        |                                  |                                     |                         |                                 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                           |                       |                    |        |               |        |                  |        |                           |        |                                  |                                     |                         |                                 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                           |                       |                    |        |               |        |                  |        |                           |        |                                  |                                     |                         |                                 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                           |                       |                    |        |               |        |                  |        |                           |        |                                  |                                     |                         |                                 |
| <b>Typical Instrument Accuracy:</b><br><div> <div>%CH<sub>4</sub>0-70% +/- 0.5%</div> <div>CO0-500ppm +/- 2% FS</div> </div> <div> <div>%CO<sub>2</sub>0-60% +/- 0.5%</div> <div>H<sub>2</sub>S0-5000ppm +/- 2.0% FS</div> </div> <div> <div>%O<sub>2</sub>0-25% +/- 1.0%</div> <div>Flow from borehole +/- 0.3l/h</div> </div> <div> <div>LEL = Lower Explosive Limit</div> <div>N/R = No Reading Taken</div> <div>FS = Full Scale</div> </div> |                           |                       |                    |        |               |        |                  |        |                           |        |                                  |                                     |                         |                                 |
| <b>Notes:</b><br><div> </div> <div> </div> <div> </div> <div> </div> <div> </div> <div> </div> <div> </div> <div> </div> <div> </div> <div> </div> <div> </div> <div> </div> <div> </div> <div> </div> <div> </div>                                                                                                                                                                                                                              |                           |                       |                    |        |               |        |                  |        |                           |        |                                  |                                     |                         |                                 |

## FIELD GAS MONITORING RESULTS

Job No.: 12888  
 Site: Dragon Parc Merthyr Tydfil  
 Monitoring Date: 18.06.19  
 Monitoring Round: 3

### Monitoring Conditions

Weather: Light Rain  
 Ambient Temp: 15 °C  
 Instrument: GA5000

### Barometric Pressure (mb)

On Arrival: 991  
 During Monitoring: 991  
 End of Monitoring: 991

| Location | Well Base Level<br>(mbgl) | Water Level<br>(mbgl) | Methane (CH <sub>4</sub> ) %v/v |        | Methane % LEL |        | Oxygen (O <sub>2</sub> ) %v/v |        | Carbon Dioxide (CO <sub>2</sub> ) %v/v |        | Carbon Monoxide<br>(CO)<br>(ppm) | Hydrogen<br>Sulphide (H <sub>2</sub> S)<br>(ppm) | Peak Gas Flow<br>(l/hr) | VOC Vapours<br>(ppm>background) |
|----------|---------------------------|-----------------------|---------------------------------|--------|---------------|--------|-------------------------------|--------|----------------------------------------|--------|----------------------------------|--------------------------------------------------|-------------------------|---------------------------------|
|          |                           |                       | Peak                            | Steady | Peak          | Steady | Peak                          | Steady | Peak                                   | Steady |                                  |                                                  |                         |                                 |
| PH1      | 5.02                      | 4.77                  | 0.10                            | 0.10   | 2.00          | 2.00   | 21.20                         | 21.20  | 0.40                                   | 0.30   | <1                               | <1                                               | <0.3                    | 0.10                            |
| PH9      | 3.07                      | Dry                   | 0.20                            | 0.10   | 4.00          | 2.00   | 20.20                         | 20.20  | 0.90                                   | 0.90   | <1                               | <1                                               | <0.3                    | 0.10                            |
| PH10     | 3.56                      | Dry                   | 1.90                            | 1.80   | 38.00         | 36.00  | 19.20                         | 19.10  | 0.60                                   | 0.50   | <1                               | <1                                               | <0.3                    | 0.40                            |
| PH13     | 4.05                      | Dry                   | 0.70                            | 0.70   | 14.00         | 14.00  | 12.10                         | 12.60  | 2.30                                   | 2.30   | <1                               | <1                                               | <0.3                    | 1.10                            |
| PH16     | 3.26                      | Dry                   | 0.20                            | 0.10   | 4.00          | 2.00   | 15.20                         | 15.30  | 1.70                                   | 1.60   | <1                               | <1                                               | <0.3                    | 1.90                            |
| PH18     | 3.18                      | Dry                   | 0.10                            | 0.10   | 2.00          | 2.00   | 20.10                         | 20.10  | 0.30                                   | 0.20   | <1                               | <1                                               | <0.3                    | 0.20                            |
|          |                           |                       |                                 |        |               |        |                               |        |                                        |        |                                  |                                                  |                         |                                 |
|          |                           |                       |                                 |        |               |        |                               |        |                                        |        |                                  |                                                  |                         |                                 |
|          |                           |                       |                                 |        |               |        |                               |        |                                        |        |                                  |                                                  |                         |                                 |
|          |                           |                       |                                 |        |               |        |                               |        |                                        |        |                                  |                                                  |                         |                                 |

#### Typical Instrument Accuracy:

%CH<sub>4</sub> 0-70% +/- 0.5%  
 %CO<sub>2</sub> 0-60% +/- 0.5%  
 %O<sub>2</sub> 0-25% +/- 1.0%

CO 0-500ppm +/- 2% FS  
 H<sub>2</sub>S 0-5000ppm +/- 2.0% FS  
 Flow from borehole +/- 0.3l/h

LEL = Lower Explosive Limit  
 N/R = No Reading Taken  
 FS = Full Scale

#### Notes:

## FIELD GAS MONITORING RESULTS

Job No.: 12888  
 Site: Dragon Parc Merthyr Tydfil  
 Monitoring Date: 27.06.19  
 Monitoring Round: 4

### Monitoring Conditions

Weather: Sunny  
 Ambient Temp: 23 °C  
 Instrument: GA5000

### Barometric Pressure (mb)

On Arrival: 1008  
 During Monitoring: 1008  
 End of Monitoring: 1008

| Location | Well Base Level<br>(mbgl) | Water Level<br>(mbgl) | Methane (CH4) %v/v |        | Methane % LEL |        | Oxygen (O2) %v/v |        | Carbon Dioxide (CO2) %v/v |        | Carbon Monoxide<br>(CO)<br>(ppm) | Hydrogen<br>Sulphide (H2S)<br>(ppm) | Peak Gas Flow<br>(l/hr) | VOC Vapours<br>(ppm>background) |
|----------|---------------------------|-----------------------|--------------------|--------|---------------|--------|------------------|--------|---------------------------|--------|----------------------------------|-------------------------------------|-------------------------|---------------------------------|
|          |                           |                       | Peak               | Steady | Peak          | Steady | Peak             | Steady | Peak                      | Steady |                                  |                                     |                         |                                 |
| PH 1     | 5.02                      | Dry                   | 0.10               | 0.10   | 2.00          | 2.00   | 20.90            | 20.90  | 0.30                      | 0.30   | <1                               | <1                                  | <0.3                    | 0.10                            |
| PH 9     | 3.07                      | Dry                   | 0.10               | 0.10   | 2.00          | 2.00   | 20.50            | 20.60  | 0.50                      | 0.50   | <1                               | <1                                  | <0.3                    | <0.1                            |
| PH 10    | 3.56                      | Dry                   | 1.20               | 1.20   | 24.00         | 24.00  | 18.90            | 19.20  | 0.30                      | 0.30   | <1                               | <1                                  | <0.3                    | 0.10                            |
| PH 13    | 4.05                      | Dry                   | 0.90               | 0.90   | 18.00         | 18.00  | 14.20            | 14.40  | 2.10                      | 2.10   | <1                               | <1                                  | <0.3                    | 0.80                            |
| PH 16    | 3.26                      | Dry                   | <0.5               | <0.5   |               |        | 18.10            | 18.30  | 1.40                      | 1.40   | <1                               | <1                                  | <0.3                    | 1.20                            |
| PH 18    | 3.18                      | Dry                   | 0.10               | 0.10   | 2.00          | 2.00   | 20.30            | 20.30  | 0.10                      | 0.10   | <1                               | <1                                  | <0.3                    | <0.1                            |
|          |                           |                       |                    |        |               |        |                  |        |                           |        |                                  |                                     |                         |                                 |
|          |                           |                       |                    |        |               |        |                  |        |                           |        |                                  |                                     |                         |                                 |
|          |                           |                       |                    |        |               |        |                  |        |                           |        |                                  |                                     |                         |                                 |
|          |                           |                       |                    |        |               |        |                  |        |                           |        |                                  |                                     |                         |                                 |

**Typical Instrument Accuracy:**

|                  |                |                    |                       |                             |
|------------------|----------------|--------------------|-----------------------|-----------------------------|
| %CH <sub>4</sub> | 0-70% +/- 0.5% | CO                 | 0-500ppm +/- 2% FS    | LEL = Lower Explosive Limit |
| %CO <sub>2</sub> | 0-60% +/- 0.5% | H <sub>2</sub> S   | 0-5000ppm +/- 2.0% FS | N/R = No Reading Taken      |
| %O <sub>2</sub>  | 0-25% +/- 1.0% | Flow from borehole | +/- 0.3l/h            | FS = Full Scale             |

Notes:

## FIELD GAS MONITORING RESULTS

Job No.: 12888  
 Site: Dragon Parc Merthyr Tydfil  
 Monitoring Date: 24.07.19  
 Monitoring Round: 5

### Monitoring Conditions

Weather: Sunny  
 Ambient Temp: 28 °C  
 Instrument: GA5000

### Barometric Pressure (mb)

On Arrival: 1008  
 During Monitoring: 1008  
 End of Monitoring: 1008

| Location | Well Base Level<br>(mbgl) | Water Level<br>(mbgl) | Methane (CH <sub>4</sub> ) %v/v |        | Methane % LEL |        | Oxygen (O <sub>2</sub> ) %v/v |        | Carbon Dioxide (CO <sub>2</sub> ) %v/v |        | Carbon Monoxide<br>(CO)<br>(ppm) | Hydrogen<br>Sulphide (H <sub>2</sub> S)<br>(ppm) | Peak Gas Flow<br>(l/hr) | VOC Vapours<br>(ppm>background) |
|----------|---------------------------|-----------------------|---------------------------------|--------|---------------|--------|-------------------------------|--------|----------------------------------------|--------|----------------------------------|--------------------------------------------------|-------------------------|---------------------------------|
|          |                           |                       | Peak                            | Steady | Peak          | Steady | Peak                          | Steady | Peak                                   | Steady |                                  |                                                  |                         |                                 |
| PH 1     | 5.02                      | Dry                   | 0.20                            | 0.10   | 4.00          | 2.00   | 20.20                         | 20.20  | 0.10                                   | 0.10   | <1                               | <1                                               | <0.3                    | 0.10                            |
| PH 9     | 3.07                      | Dry                   | 0.10                            | 0.10   | 2.00          | 2.00   | 19.90                         | 19.90  | 0.60                                   | 0.40   | <1                               | <1                                               | <0.3                    | <0.1                            |
| PH 10    | 3.56                      | Dry                   | 1.30                            | 1.30   | 26.00         | 26.00  | 19.70                         | 19.70  | 0.20                                   | 0.20   | <1                               | <1                                               | <0.3                    | 0.20                            |
| PH 13    | 4.05                      | Dry                   | 0.80                            | 0.80   | 16.00         | 16.00  | 16.10                         | 16.10  | 1.90                                   | 1.90   | <1                               | <1                                               | <0.3                    | 0.60                            |
| PH 16    | 3.26                      | Dry                   | <0.5                            | <0.5   |               |        | 19.60                         | 19.60  | 1.20                                   | 1.20   | <1                               | <1                                               | <0.3                    | 1.30                            |
| PH 18    | 3.18                      | Dry                   | 0.20                            | 0.10   | 4.00          | 2.00   | 19.80                         | 19.80  | 0.20                                   | 0.10   | <1                               | <1                                               | <0.3                    | <0.1                            |
|          |                           |                       |                                 |        |               |        |                               |        |                                        |        |                                  |                                                  |                         |                                 |
|          |                           |                       |                                 |        |               |        |                               |        |                                        |        |                                  |                                                  |                         |                                 |
|          |                           |                       |                                 |        |               |        |                               |        |                                        |        |                                  |                                                  |                         |                                 |
|          |                           |                       |                                 |        |               |        |                               |        |                                        |        |                                  |                                                  |                         |                                 |

**Typical Instrument Accuracy:**

|                  |                |                    |                       |                             |
|------------------|----------------|--------------------|-----------------------|-----------------------------|
| %CH <sub>4</sub> | 0-70% +/- 0.5% | CO                 | 0-500ppm +/- 2% FS    | LEL = Lower Explosive Limit |
| %CO <sub>2</sub> | 0-60% +/- 0.5% | H <sub>2</sub> S   | 0-5000ppm +/- 2.0% FS | N/R = No Reading Taken      |
| %O <sub>2</sub>  | 0-25% +/- 1.0% | Flow from borehole | +/- 0.3l/h            | FS = Full Scale             |

Notes:



## FIELD GAS MONITORING RESULTS

Job No.: 12888  
 Site: Dragon Parc Merthyr Tydfil  
 Monitoring Date: 01.08.19  
 Monitoring Round: 6

### Monitoring Conditions

Weather: Sunny  
 Ambient Temp: 21 °C  
 Instrument: GA5000

### Barometric Pressure (mb)

On Arrival: 1007  
 During Monitoring: 1007  
 End of Monitoring: 1007

| Location | Well Base Level<br>(mbgl) | Water Level<br>(mbgl) | Methane (CH <sub>4</sub> ) %v/v |        | Methane % LEL |        | Oxygen (O <sub>2</sub> ) %v/v |        | Carbon Dioxide (CO <sub>2</sub> ) %v/v |        | Carbon Monoxide<br>(CO)<br>(ppm) | Hydrogen<br>Sulphide (H <sub>2</sub> S)<br>(ppm) | Peak Gas Flow<br>(l/hr) | VOC Vapours<br>(ppm>background) |
|----------|---------------------------|-----------------------|---------------------------------|--------|---------------|--------|-------------------------------|--------|----------------------------------------|--------|----------------------------------|--------------------------------------------------|-------------------------|---------------------------------|
|          |                           |                       | Peak                            | Steady | Peak          | Steady | Peak                          | Steady | Peak                                   | Steady |                                  |                                                  |                         |                                 |
| PH 1     | 5.02                      | Dry                   | 0.10                            | 0.10   | 2.00          | 2.00   | 19.80                         | 19.80  | 0.10                                   | 0.10   | <1                               | <1                                               | <0.3                    | 0.10                            |
| PH 9     | 3.07                      | Dry                   | 0.20                            | 0.20   | 4.00          | 4.00   | 20.10                         | 20.10  | 0.50                                   | 0.50   | <1                               | <1                                               | <0.3                    | <0.1                            |
| PH 10    | 3.56                      | Dry                   | 1.20                            | 1.20   | 24.00         | 24.00  | 18.80                         | 18.90  | 0.10                                   | 0.10   | <1                               | <1                                               | <0.3                    | 0.10                            |
| PH 13    | 4.05                      | Dry                   | 0.50                            | 0.50   | 10.00         | 10.00  | 17.20                         | 17.20  | 1.40                                   | 1.40   | <1                               | <1                                               | <0.3                    | 0.40                            |
| PH 16    | 3.26                      | Dry                   | <0.5                            | <0.5   |               |        | 19.60                         | 19.60  | 1.20                                   | 1.20   | <1                               | <1                                               | <0.3                    | 1.30                            |
| PH 18    | 3.18                      | Dry                   | 0.20                            | 0.10   | 4.00          | 2.00   | 19.80                         | 19.80  | 0.20                                   | 0.10   | <1                               | <1                                               | <0.3                    | <0.1                            |
|          |                           |                       |                                 |        |               |        |                               |        |                                        |        |                                  |                                                  |                         |                                 |
|          |                           |                       |                                 |        |               |        |                               |        |                                        |        |                                  |                                                  |                         |                                 |
|          |                           |                       |                                 |        |               |        |                               |        |                                        |        |                                  |                                                  |                         |                                 |
|          |                           |                       |                                 |        |               |        |                               |        |                                        |        |                                  |                                                  |                         |                                 |

**Typical Instrument Accuracy:**

|                  |                |                    |                       |                             |
|------------------|----------------|--------------------|-----------------------|-----------------------------|
| %CH <sub>4</sub> | 0-70% +/- 0.5% | CO                 | 0-500ppm +/- 2% FS    | LEL = Lower Explosive Limit |
| %CO <sub>2</sub> | 0-60% +/- 0.5% | H <sub>2</sub> S   | 0-5000ppm +/- 2.0% FS | N/R = No Reading Taken      |
| %O <sub>2</sub>  | 0-25% +/- 1.0% | Flow from borehole | +/- 0.3l/h            | FS = Full Scale             |

Notes:

## FIGURES

SITE LOCATION

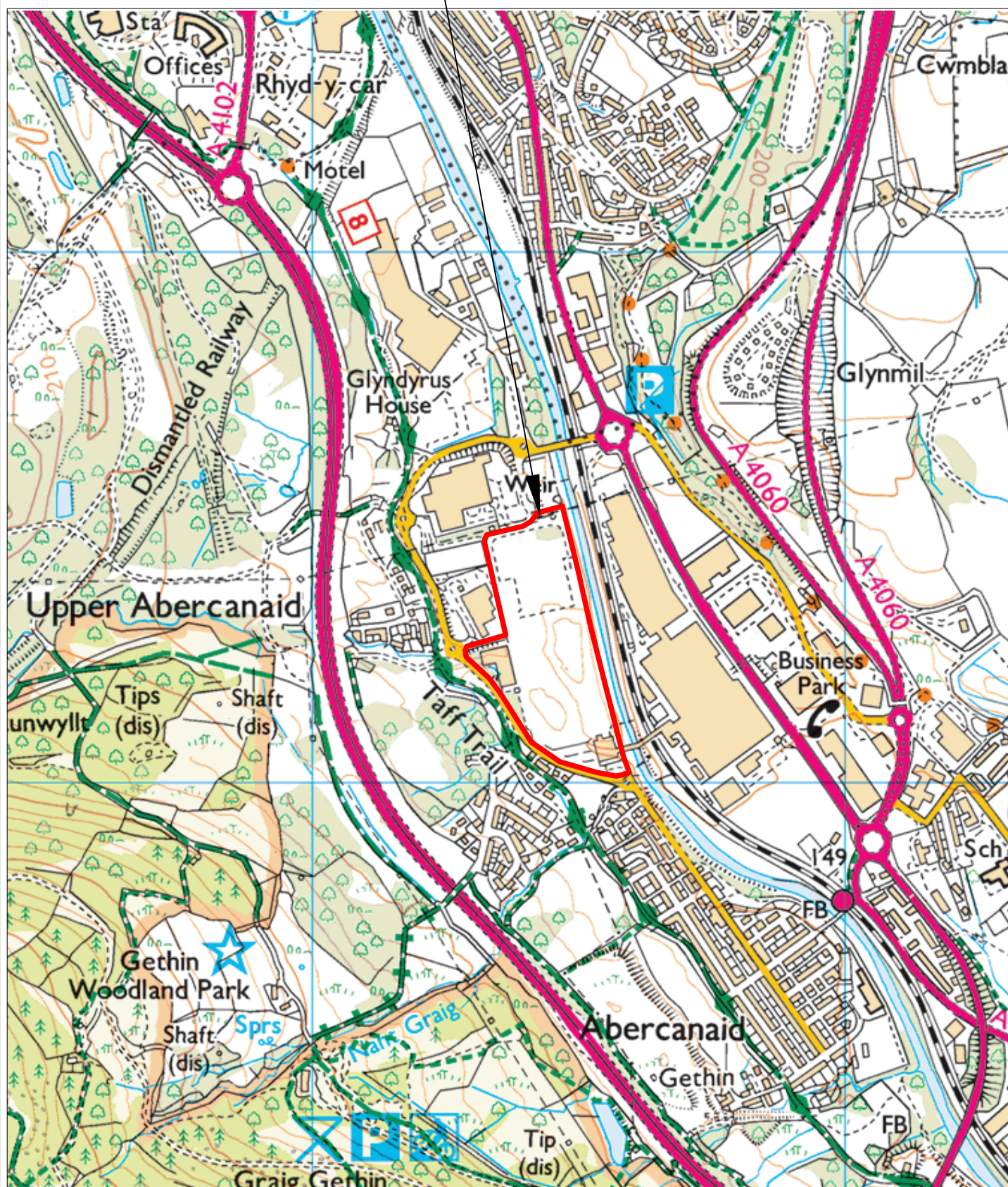


Figure 1: Site Location

Project: Land at Dragon Parc, Abercanaid, Merthyr Tydfil

Job no.: 12888

Client: Davies Homes

Scale: 1:10,000 at A4

**Intégral**  
Géotechnique

Integral House,  
7 Beddau Way,  
Castlegate Business Park,  
Caerphilly,  
CF83 2AX.  
Tel: 029 2080 7991



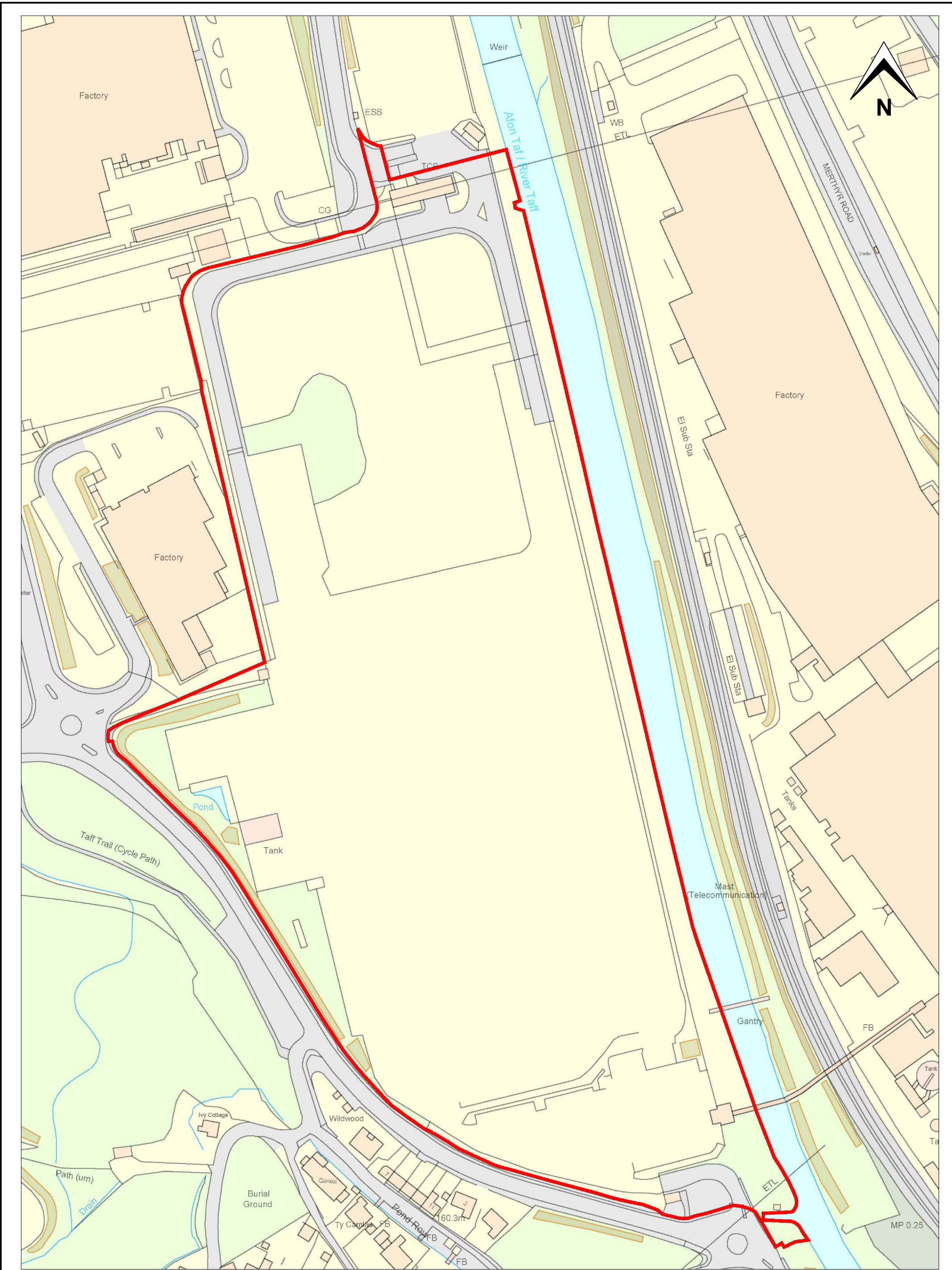


Figure 2: Planning Boundary / Site Plan

Project: Land at Dragon Parc, Abercanaid, Merthyr Tydfil

Client: Davies Homes

Job No.: 12888

Scale: NTS

**Intégral**  
Géotechnique

Integral House,  
7 Beddau Way,  
Castlegate Business Park,  
Caerphilly,  
CF83 2AX.  
Tel: 029 2080 7991



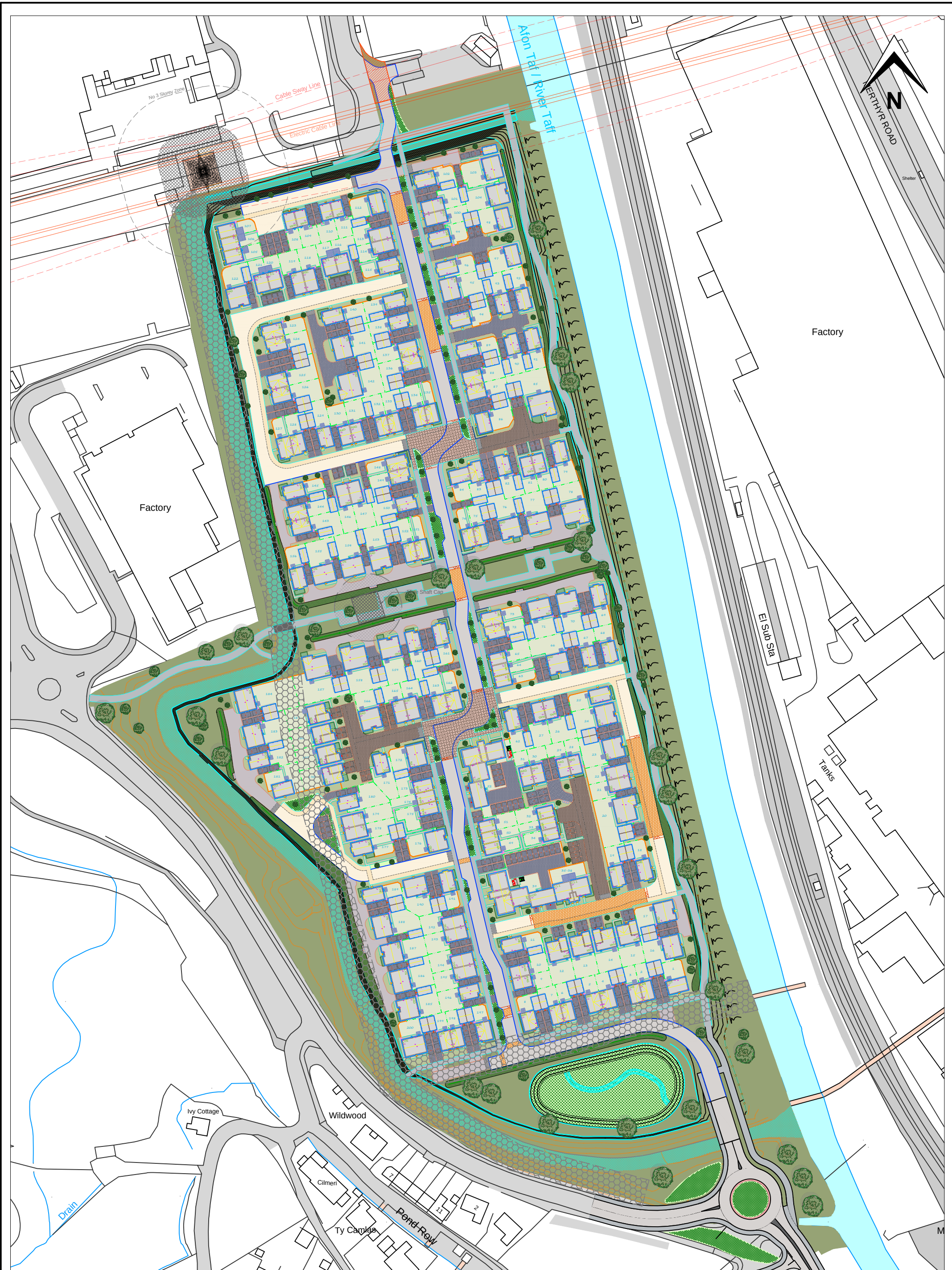


Figure 3: Proposed Development Layout

Project: Land at Dragon Parc, Abercanaid, Merthyr Tydfil

Client: Davies Homes

Job No.: 12888

Scale: 1:1,500 at A3

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Géotechnique

Integral House,  
7 Beddau Way,  
Castlegate Business Park,  
Caerphilly,  
CF83 2AX.  
Tel: 029 2080 7991



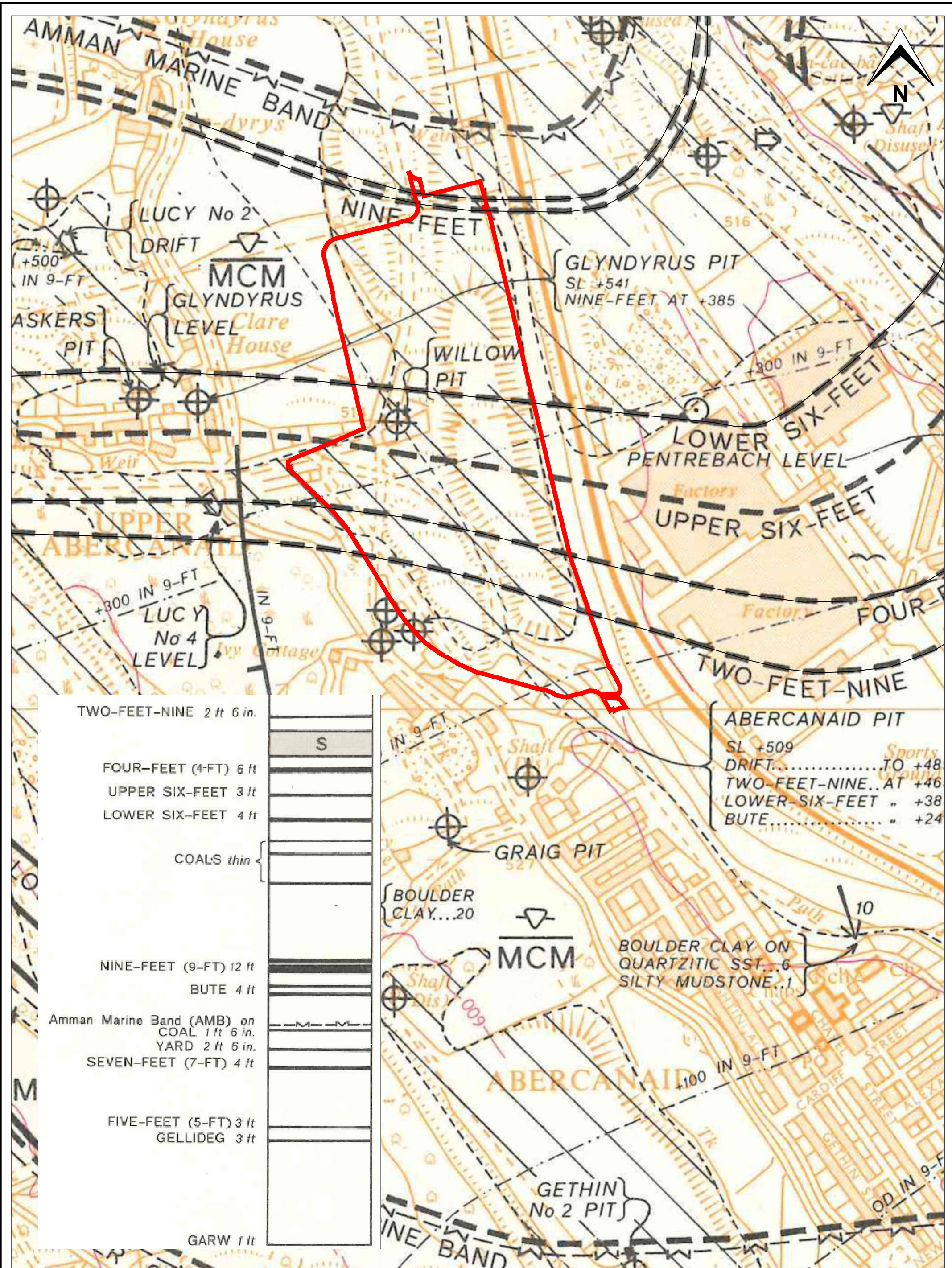


Figure 4: Geology Map

Project: Land at Dragon Parc, Abercanaid, Merthyr Tydfil

Client: Davies Homes

Job No.: 12888

Scale: NTS

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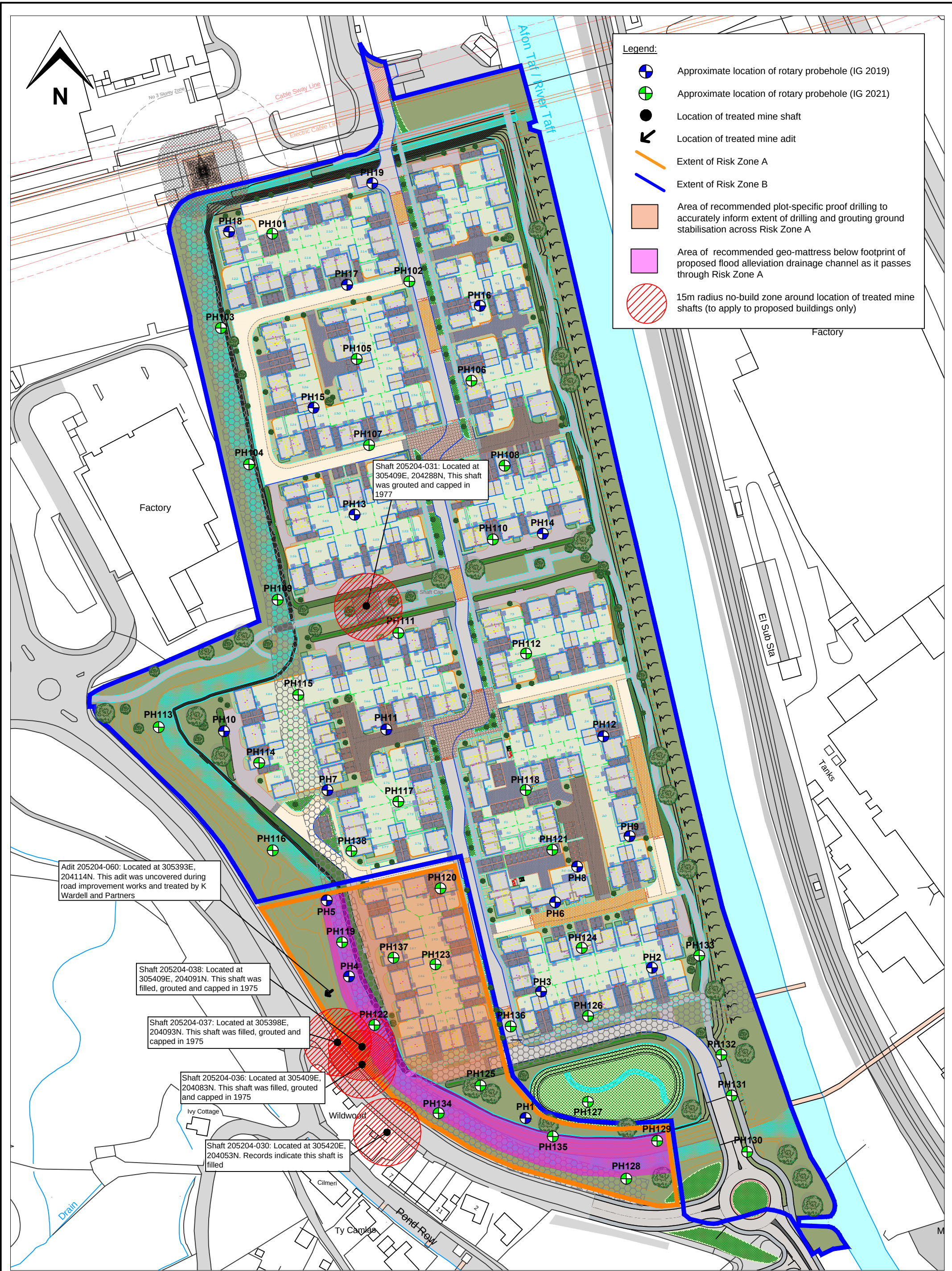


Figure 5: Mining Risk Zones and Mitigation Plan

Project: Land at Dragon Parc, Abercanaid, Merthyr Tydfil

Client: Davies Homes

Job No.: 12888

Scale: 1:1,500 at A3

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