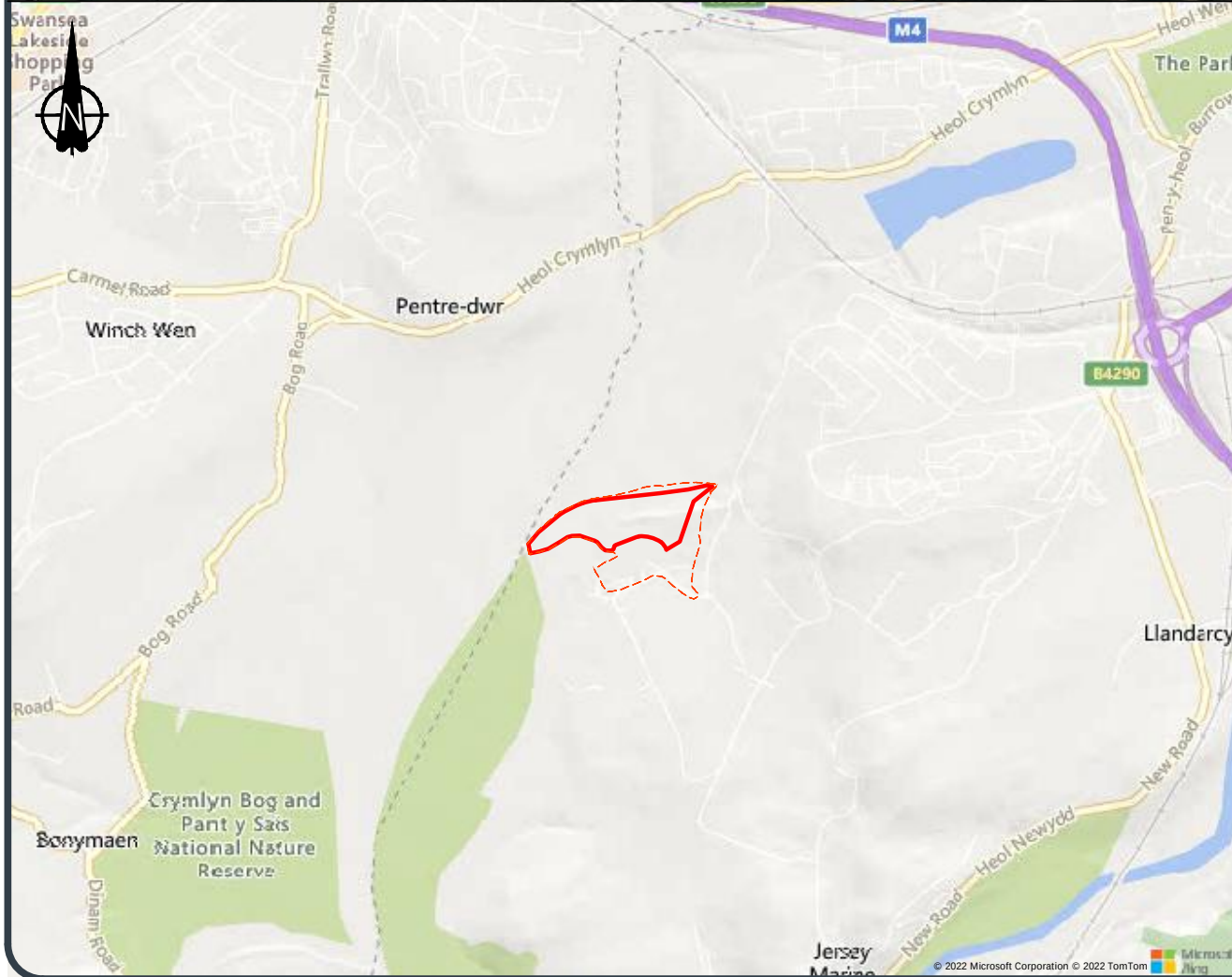


# Appendix A Drawings



**eNGLOBE**



#### LEGEND

-  NRW Permit Boundary
-  Indicative Site Boundary

|     |                        |          |
|-----|------------------------|----------|
| 1   | Amended drawing number | 21.02.23 |
| 0   | First Draft            | 12.01.23 |
| REV | COMMENT                | DATE     |



|                                                                                      |                                                                                             |                                                  |
|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|--------------------------------------------------|
| Unit 8, Commerce Park<br>Brunel Road<br>Theale<br>Reading<br>RG7 4AB<br>01189 187340 | Columbus House<br>Greenmeadow Springs<br>Tongwynlais<br>Cardiff<br>CF15 7NE<br>02920 368636 | enquiries@englobecorp.com<br>www.englobecorp.com |
|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|--------------------------------------------------|

|        |           |
|--------|-----------|
| Client | St Modwen |
|--------|-----------|

|         |            |
|---------|------------|
| Project | Coed Darcy |
|---------|------------|

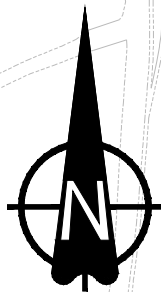
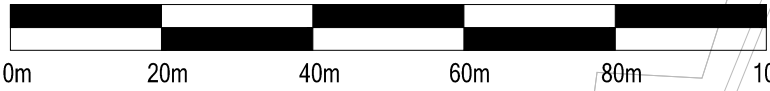
|       |                    |
|-------|--------------------|
| Title | Site Location Plan |
|-------|--------------------|

|                |     |         |          |             |            |       |             |
|----------------|-----|---------|----------|-------------|------------|-------|-------------|
| Drawn by       | JA  | Checked | Date     | KS 12.01.23 | Authorised | Date  | KS 12.01.23 |
| Original Scale | NTS | Date    | 12.01.23 | Rev         | 0          | Paper | A3          |

|                |                  |
|----------------|------------------|
| Drawing Number | D1870/23/5289/01 |
|----------------|------------------|

mm 10 20 30 40 50 60 70 80 90 100

Crymlyn Bog



Legend

- NRW Permit Boundary
- Upper Tip
- Lower Tip
- Peripheral Trench Location
- Indicative Site Boundary
- 'Santander' Trench Location

|     |             |          |
|-----|-------------|----------|
| 0   | First Issue | 13.03.23 |
| REV | COMMENT     | DATE     |



|                                                                                      |                                                                                             |                                                  |
|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|--------------------------------------------------|
| Unit 8, Commerce Park<br>Brunel Road<br>Theale<br>Reading<br>RG7 4AB<br>01189 167340 | Columbus House<br>Greenmeadow Springs<br>Tongwynlais<br>Cardiff<br>CF15 7NE<br>02920 368636 | enquiries@englobecorp.com<br>www.englobecorp.com |
|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|--------------------------------------------------|

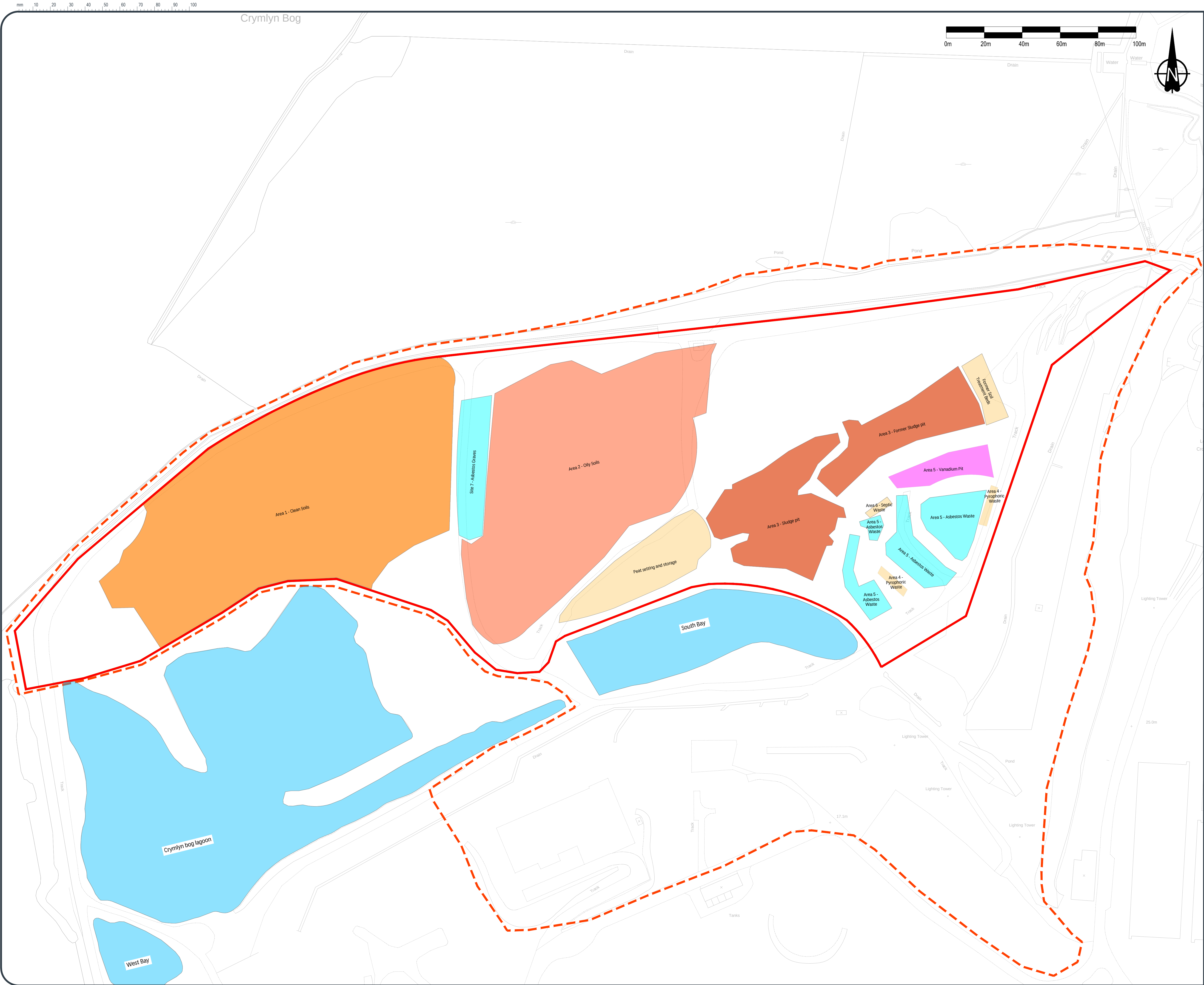
Client  
St Modwen Homes

Project  
Coed Darcy Tip

Title  
Current Site Layout

|                          |                  |                  |                  |                  |
|--------------------------|------------------|------------------|------------------|------------------|
| Drawn by<br>JA           | Checked<br>AB    | Date<br>13.03.23 | Authorised<br>MH | Date<br>13.03.23 |
| Original Scale<br>1:1000 | Date<br>10.01.23 | Rev<br>0         | Paper<br>A1      |                  |

Drawing Number  
D1870/23/5289/02



- Legend
- NRW Permit Boundary
  - Site Boundary

|     |             |          |
|-----|-------------|----------|
| 0   | First Issue | 13.03.23 |
| REV | COMMENT     | DATE     |

|                                                                                                      |                                                                                             |                                                  |
|------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|--------------------------------------------------|
| <b>ENGLOBE</b>  |                                                                                             |                                                  |
| Unit 8, Commerce Park<br>Brunel Road<br>Theale<br>Reading<br>RG7 4AB<br>01189 167340                 | Columbus House<br>Greenmeadow Springs<br>Tongwynlais<br>Cardiff<br>CF15 7NE<br>02920 368636 | enquiries@englobecorp.com<br>www.englobecorp.com |

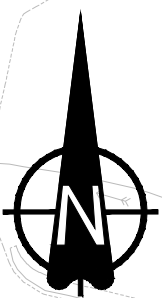
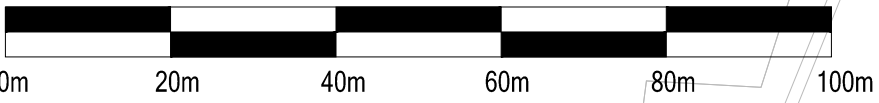
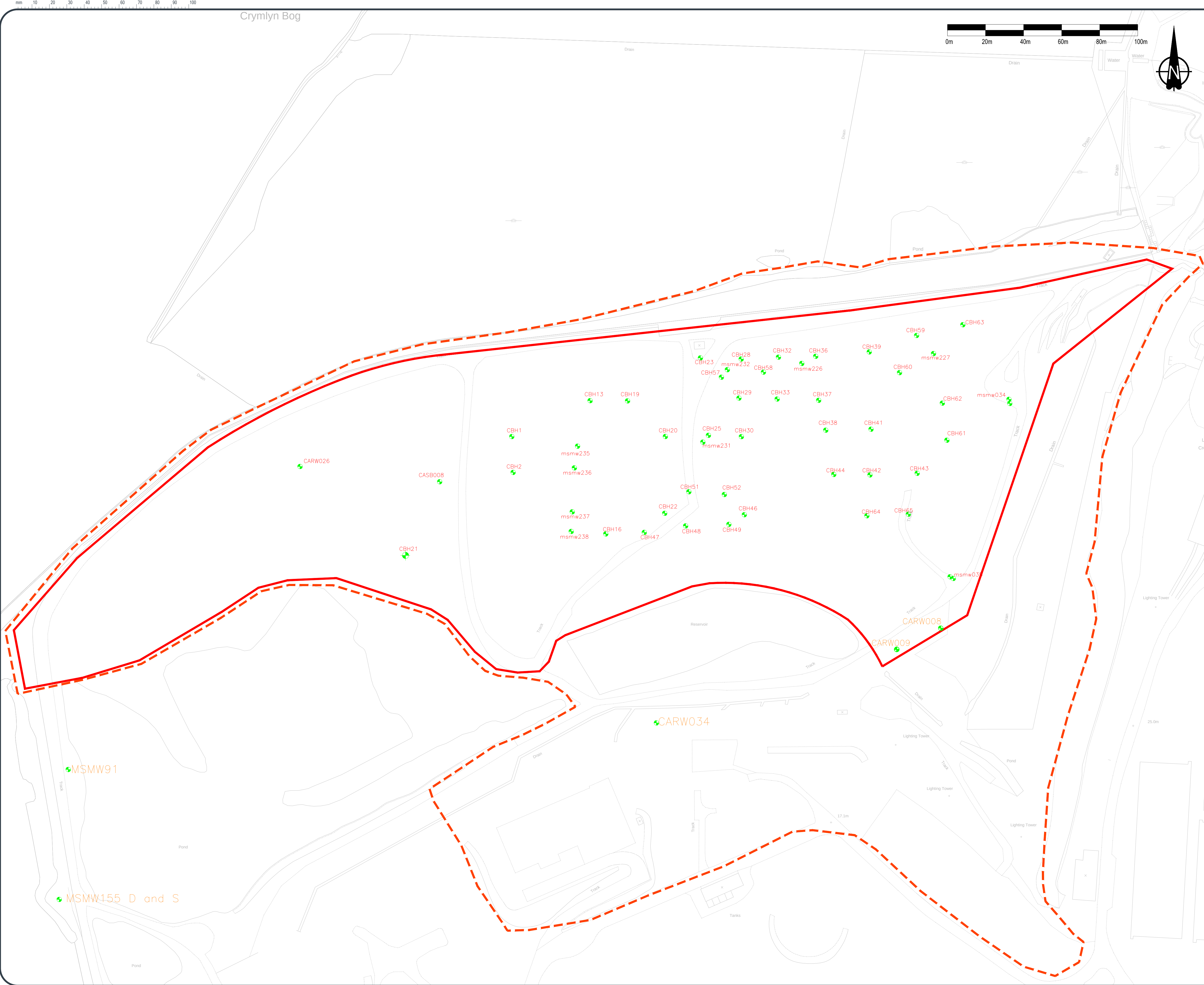
|                 |
|-----------------|
| Client          |
| St Modwen Homes |

|                |
|----------------|
| Project        |
| Coed Darcy Tip |

|             |
|-------------|
| Title       |
| Waste Areas |

|                       |                        |                     |                                   |
|-----------------------|------------------------|---------------------|-----------------------------------|
| Drawn by<br>JA        | Checked<br>AB 13.03.23 | Date<br>MH 13.03.23 | Authorised<br>Date<br>MH 13.03.23 |
| Original Scale<br>NTS | Date<br>24.02.23       | Rev<br>0            | Paper<br>A1                       |

Drawing Number  
D1870/23/5289/03



- Legend
- NRW Permit Boundary
  - Site Boundary
  - Existing Monitored Borehole (As of June 2022)

|     |             |          |
|-----|-------------|----------|
| 0   | First Issue | 13.03.23 |
| REV | COMMENT     | DATE     |

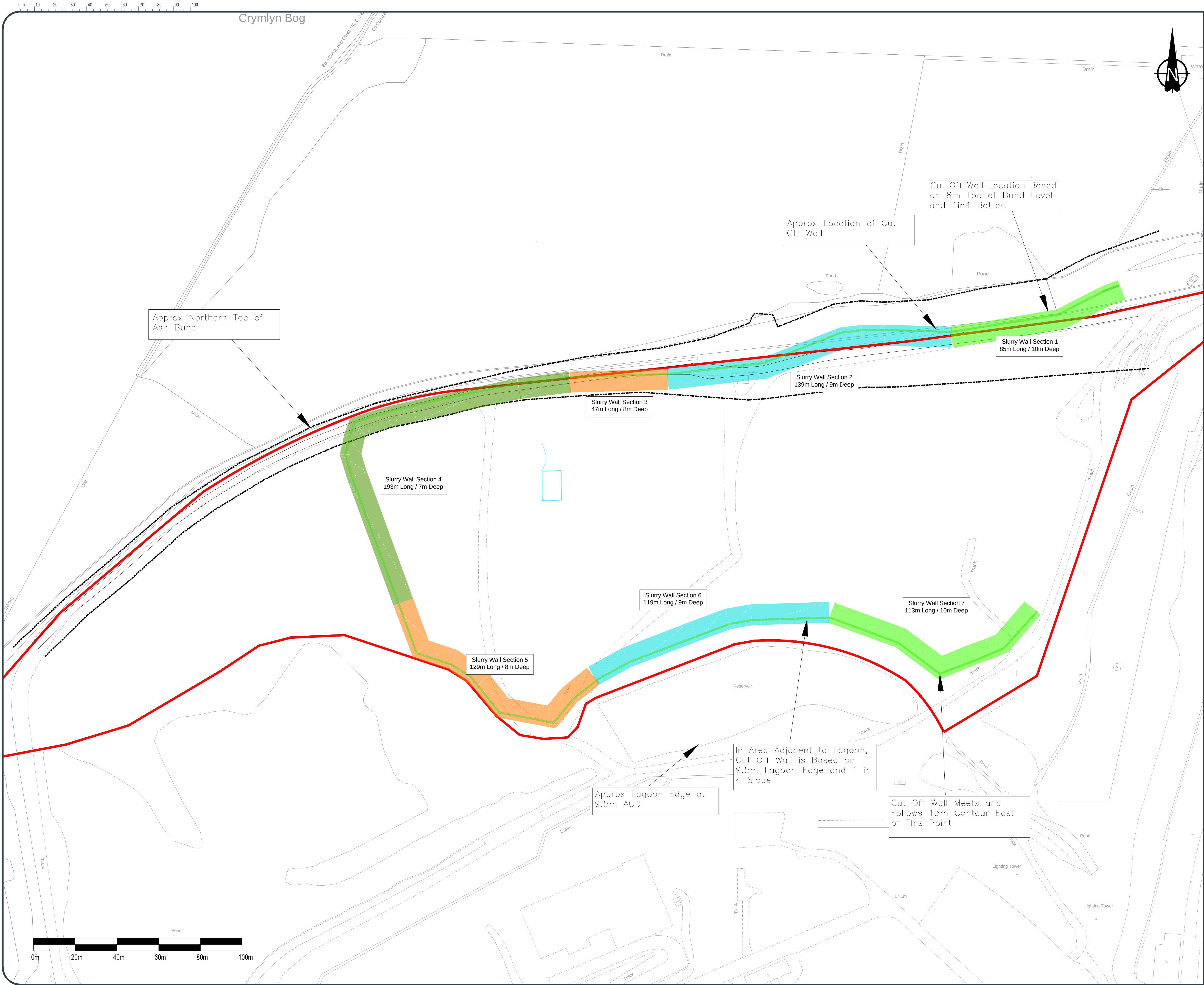
|                                                                                      |                                                                                             |                                                 |
|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|-------------------------------------------------|
| Unit 8, Commerce Park<br>Brunel Road<br>Theale<br>Reading<br>RG7 4AB<br>01189 167340 | Columbus House<br>Greenmeadow Springs<br>Tongwynlais<br>Cardiff<br>CF15 7NE<br>02920 368636 | enquires@englobecorp.com<br>www.englobecorp.com |
|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|-------------------------------------------------|

Client  
St Modwen Homes

Project  
Coed Darcy Tip

Title  
PJA / GAL Monitoring Locations

|                                    |                  |                  |                  |                  |
|------------------------------------|------------------|------------------|------------------|------------------|
| Drawn by<br>JA                     | Checked<br>AB    | Date<br>13.03.23 | Authorised<br>MH | Date<br>13.03.23 |
| Original Scale<br>NTS              | Date<br>27.02.23 | Rev<br>0         | Paper<br>A1      |                  |
| Drawing Number<br>D1870/23/5289/04 |                  |                  |                  |                  |



- Legend
- Approx. Proposed Bentonite Slurry Cut Off Wall Location
  - NRW Permit Boundary
  - 13m AOD Top of Cut-Off Wall/Temporary Platform
  - 12m AOD Top of Cut-Off Wall/Temporary Platform
  - 11m AOD Top of Cut-Off Wall/Temporary Platform
  - 10m AOD Top of Cut-Off Wall/Temporary Platform

|     |             |          |
|-----|-------------|----------|
| 0   | First Issue | 13.03.23 |
| REV | COMMENT     | DATE     |



|                                                                                      |                                                                                             |                                                  |
|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|--------------------------------------------------|
| Unit 8, Commerce Park<br>Brunel Road<br>Theale<br>Reading<br>RG7 4AB<br>01189 167340 | Columbus House<br>Greenmeadow Springs<br>Tongwynlais<br>Cardiff<br>CF15 7NE<br>02920 368636 | enquiries@englobecorp.com<br>www.englobecorp.com |
|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|--------------------------------------------------|

Client  
**St Modwen Homes**

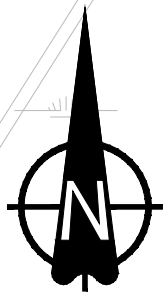
Project  
**Coed Darcy Tip**

Title  
**Proposed Barrier Wall Installation**

|                       |                  |                  |                  |                  |
|-----------------------|------------------|------------------|------------------|------------------|
| Drawn by<br>IW        | Checked<br>AB    | Date<br>13.03.23 | Authorised<br>MH | Date<br>13.03.23 |
| Original Scale<br>NTS | Date<br>27.02.23 | Rev<br>0         | Paper<br>A1      |                  |

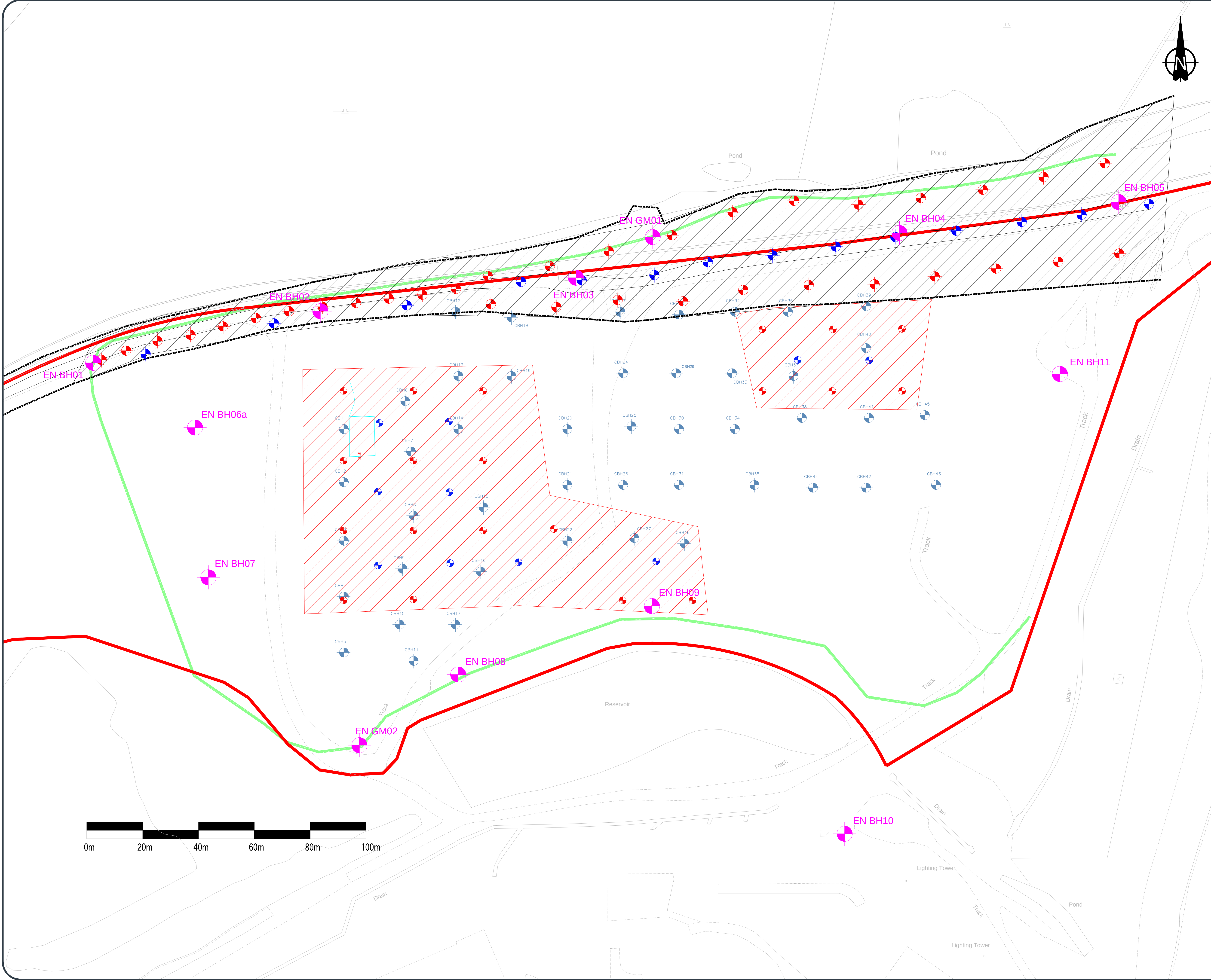
Drawing Number  
**D1870/23/5289/05**

mm 10 20 30 40 50 60 70 80 90 100



Legend

- Historic Celtic LNAPL Recovery Well
- Approx. Proposed Bentonite Slurry Cut Off Wall Location
- Environment Agency Permit Boundary
- Water Level Record Location
- EN BH 2022 Englobe Investigation Borehole Location
- Approx. Englobe LNAPL Recovery Abstraction Well Location
- Approx Englobe LNAPL Recovery Reinjection Well Locaton
- NAPL Recovery Target Areas
- Ash Bund Extents



|     |             |          |
|-----|-------------|----------|
| 0   | First Issue | 13.03.23 |
| REV | COMMENT     | DATE     |



|                                                                                      |                                                                                             |                                                  |
|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|--------------------------------------------------|
| Unit 8, Commerce Park<br>Brunel Road<br>Theale<br>Reading<br>RG7 4AB<br>01189 167340 | Columbus House<br>Greenmeadow Springs<br>Tongwynlais<br>Cardiff<br>CF15 7NE<br>02920 368636 | enquiries@englobecorp.com<br>www.englobecorp.com |
|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|--------------------------------------------------|

Client  
St Modwen Homes

Project  
Coed Darcy Tip  
Locations

Title  
Network of Abstraction and  
Reinjection Wells

|                       |                  |                  |                  |                  |
|-----------------------|------------------|------------------|------------------|------------------|
| Drawn by<br>IW        | Checked<br>AB    | Date<br>13.03.23 | Authorised<br>MH | Date<br>13.03.23 |
| Original Scale<br>NTS | Date<br>27.02.23 | Rev<br>0         | Paper<br>A1      |                  |

Drawing Number  
D1870/23/5289/06

Cut and Fill Volume Summary

| Description | Cut Area (m <sup>2</sup> ) | Cut Volume (m <sup>3</sup> ) | Fill Area (m <sup>2</sup> ) | Fill Volume (m <sup>3</sup> ) | Total Area (m <sup>2</sup> ) | Net Volume (m <sup>3</sup> ) |
|-------------|----------------------------|------------------------------|-----------------------------|-------------------------------|------------------------------|------------------------------|
| Upper Tip   | 15,919                     | -22,945                      | 45,061                      | 47,352                        | 60,979                       | 24,408                       |
| Lower Tip   | 934                        | -245                         | 14,706                      | 8,539                         | 15,640                       | 8,294                        |
|             |                            | -23,190                      |                             | 55,892                        |                              | 32,702                       |



Legend

- Site Boundary
- Environmental Permit Boundary
- Spot Level on Base of Capping
- Top/Bottom of Batter
- Level String
- Major Contour (5m Interval)
- Minor Contour (1m Interval)

|     |             |          |
|-----|-------------|----------|
| 0   | First Issue | 13.03.23 |
| REV | COMMENT     | DATE     |

|                                                                                      |                                                                                             |                                                  |
|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|--------------------------------------------------|
| ENGLOBE                                                                              |                                                                                             |                                                  |
| Unit 8, Commerce Park<br>Brunel Road<br>Theale<br>Reading<br>RG7 4AB<br>01189 167340 | Columbus House<br>Greenmeadow Springs<br>Tongwynlais<br>Cardiff<br>CF15 7NE<br>02920 368636 | enquiries@englobecorp.com<br>www.englobecorp.com |

Client  
St Modwen

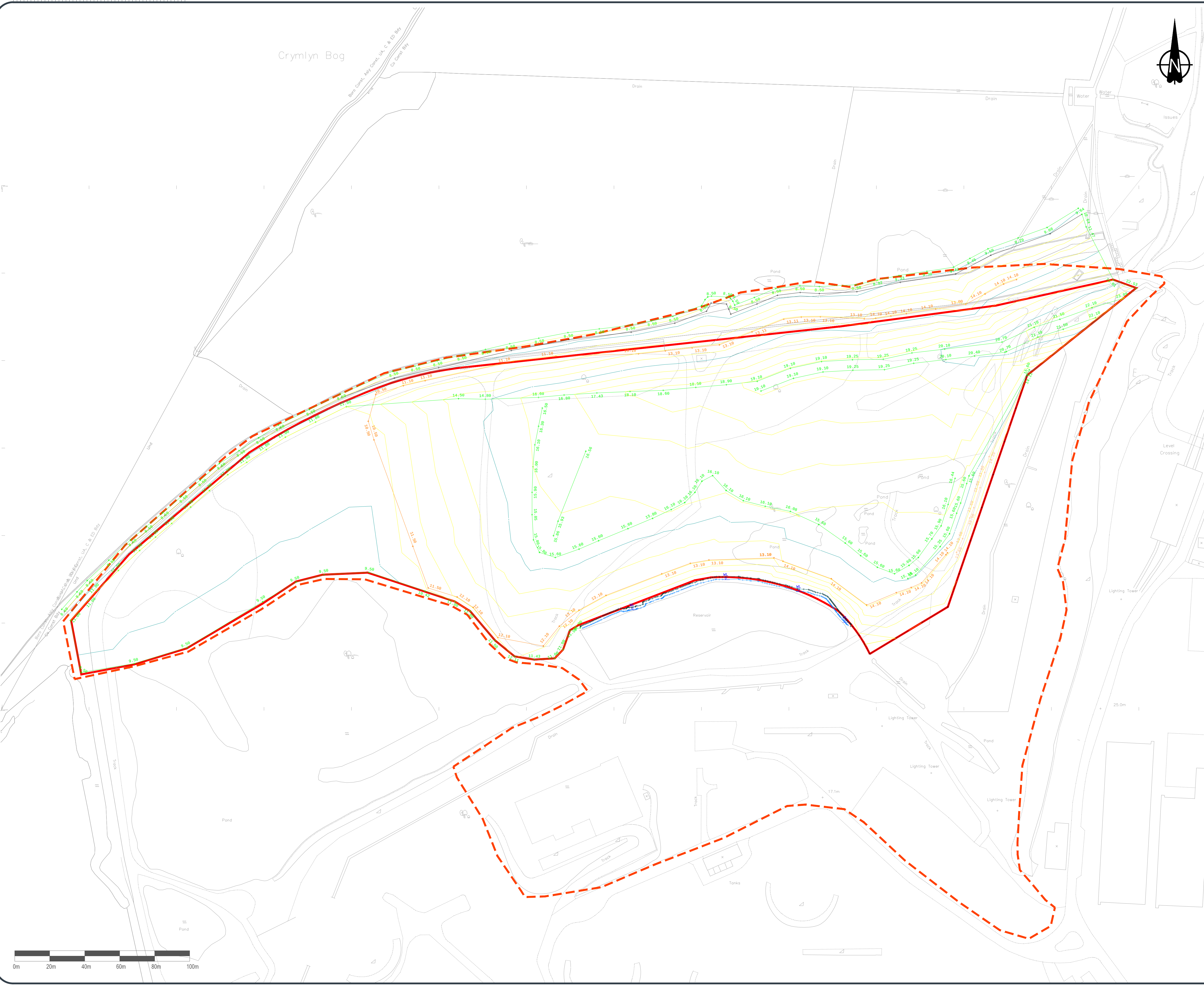
Project  
Coed Darcy  
Crymlyn Tip Restoration

Title  
Proposed Base of Cap Levels

|                               |                  |                  |                                |
|-------------------------------|------------------|------------------|--------------------------------|
| Drawn by<br>IW                | Checked<br>AB    | Date<br>13.03.23 | Authorised Date<br>MH 13.03.23 |
| Original Scale<br>1:1000 @ A1 | Date<br>24/02/23 | Rev<br>0         | Paper<br>A1                    |

Drawing Number  
D1870/23/5289/07

mm 10 20 30 40 50 60 70 80 90 100



Legend

- Site Boundary
- Environmental Permit Boundary
- Spot Level on Base of Capping
- Top/Bottom of Batter
- Level String
- Major Contour (5m Interval)
- Minor Contour (1m Interval)
- Water Level

|     |             |          |
|-----|-------------|----------|
| 0   | First Issue | 13.03.23 |
| REV | COMMENT     | DATE     |

|                                                                                      |                                                                                             |                                                  |
|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|--------------------------------------------------|
| <b>ENGLOBE</b>                                                                       |                                                                                             |                                                  |
| Unit 8, Commerce Park<br>Brunel Road<br>Theale<br>Reading<br>RG7 4AB<br>01189 167340 | Columbus House<br>Greenmeadow Springs<br>Tongwynlais<br>Cardiff<br>CF15 7NE<br>02920 366636 | enquiries@englobecorp.com<br>www.englobecorp.com |

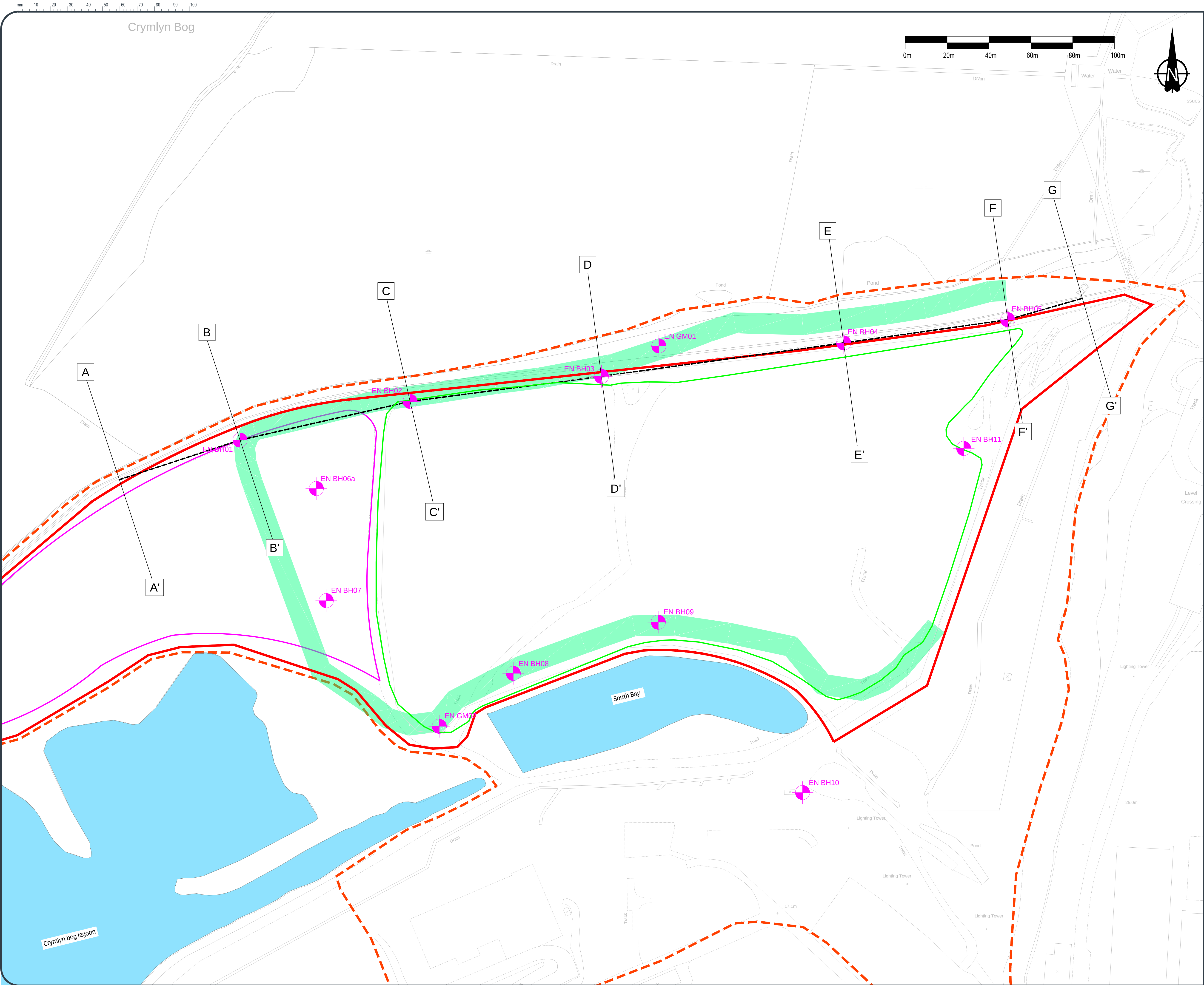
|           |
|-----------|
| Client    |
| St Modwen |

|                                       |
|---------------------------------------|
| Project                               |
| Coed Darcy<br>Crymlyn Tip Restoration |

|                       |
|-----------------------|
| Title                 |
| Proposed Final Levels |

|                               |                  |                  |                                |
|-------------------------------|------------------|------------------|--------------------------------|
| Drawn by<br>IW                | Checked<br>AB    | Date<br>13.03.23 | Authorised Date<br>MH 13.03.23 |
| Original Scale<br>1:1000 @ A1 | Date<br>24/02/23 | Rev<br>0         | Paper<br>A1                    |

Drawing Number  
D1870/23/5289/08



- Legend
- Site Boundary
  - NRW Permit Boundary
  - Long Section Location Line
  - EN BH  
Englobe Borehole Location
  - Proposed Bentonite Slurry Wall and 10m Wide Platform Location for Construction
  - Upper Tip
  - Lower Tip

|     |             |          |
|-----|-------------|----------|
| 0   | First Issue | 13.03.23 |
| REV | COMMENT     | DATE     |

|                                                                                                      |                                                                                             |                                                  |
|------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|--------------------------------------------------|
| <b>ENGLOBE</b>  |                                                                                             |                                                  |
| Unit 8, Commerce Park<br>Brunel Road<br>Theale<br>Reading<br>RG7 4AB<br>01189 167340                 | Columbus House<br>Greenmeadow Springs<br>Tongwynlais<br>Cardiff<br>CF15 7NE<br>02920 368636 | enquiries@englobecorp.com<br>www.englobecorp.com |

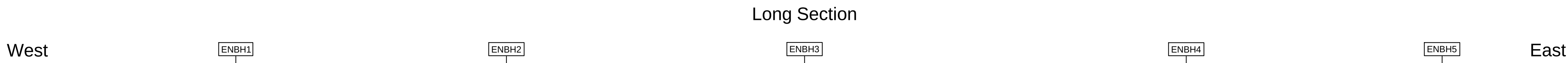
|                 |
|-----------------|
| Client          |
| St Modwen Homes |

|                |
|----------------|
| Project        |
| Coed Darcy Tip |

|                             |
|-----------------------------|
| Title                       |
| Cross Section Location Plan |

|                       |                        |                  |                           |
|-----------------------|------------------------|------------------|---------------------------|
| Drawn by<br>JA        | Checked<br>AB 13.03.23 | Date<br>13.03.23 | Authorised<br>MH 13.03.23 |
| Original Scale<br>NTS | Date<br>24.02.23       | Rev<br>0         | Paper<br>A1               |

|                  |
|------------------|
| Drawing Number   |
| D1870/23/5289/09 |



|     |             |          |
|-----|-------------|----------|
| 0   | First Issue | 13.03.23 |
| REV | COMMENT     | DATE     |

|                                                                                                  |                                                                                             |                                                  |
|--------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|--------------------------------------------------|
| <div></div> |                                                                                             |                                                  |
| Unit 8, Commerce Park<br>Brunel Road<br>Theale<br>Reading<br>RG7 4AB<br>01189 167340             | Columbus House<br>Greenmeadow Springs<br>Tongwynlais<br>Cardiff<br>CF15 7NE<br>02920 368636 | enquiries@englobecorp.com<br>www.englobecorp.com |
| Client<br>St Modwen                                                                              |                                                                                             |                                                  |
| Project<br>Coed Darcy                                                                            |                                                                                             |                                                  |
| Title<br>Long Section Through Ash Bund                                                           |                                                                                             |                                                  |
| Drawn by<br>JA                                                                                   | Checked Date<br>AB 13.03.23                                                                 | Authorised Date<br>MH 13.03.23                   |
| Original Scale<br>N/A                                                                            | Date<br>24.02.23                                                                            | Rev<br>0                                         |
| Drawing Number                                                                                   |                                                                                             | Paper<br>A1                                      |

A

A'

| Datum 5.0                   |                                                                                                                                                                                                                       |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Top of Capping Levels       | 8.500<br>9.000<br>11.000<br>10.919<br>10.826<br>10.733<br>10.640<br>10.547<br>10.454<br>10.361<br>10.268<br>10.175                                                                                                    |
| Base of Capping Levels      | 8.500<br>10.500<br>10.419<br>10.326<br>10.233<br>10.140<br>10.047<br>9.954<br>9.861<br>9.768<br>9.675                                                                                                                 |
| Original Ground Levels      | 8.651<br>8.775<br>9.000<br>9.500<br>9.500<br>9.286<br>9.000<br>9.000<br>8.643<br>8.500<br>8.000<br>9.000<br>9.000<br>9.037<br>9.133<br>9.088<br>9.080<br>9.000<br>9.000<br>9.000<br>9.000<br>9.000<br>9.000           |
| Temporary Platform          |                                                                                                                                                                                                                       |
| Groundwater Levels 10/11/22 |                                                                                                                                                                                                                       |
| Base of Made Ground         |                                                                                                                                                                                                                       |
| Base of Peat                |                                                                                                                                                                                                                       |
| Regular offsets             | -50.000<br>-45.000<br>-40.000<br>-35.000<br>-30.000<br>-25.000<br>-20.000<br>-15.000<br>-10.000<br>-5.000<br>0.000<br>5.000<br>10.000<br>15.000<br>20.000<br>25.000<br>30.000<br>35.000<br>40.000<br>45.000<br>50.000 |

Chainage 0.0m ( 270154.5E 195557.7N )

B

B'

| Datum -5.0                  |                                                                                                                                                                                                                       |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Top of Capping Levels       | 8.500<br>9.260<br>10.013<br>11.538<br>11.788<br>11.646<br>11.405<br>11.163<br>10.902<br>10.844<br>10.388<br>10.439<br>10.991<br>11.037<br>11.084<br>11.131<br>11.177                                                  |
| Base of Capping Levels      | 8.500<br>9.442<br>10.686<br>10.788<br>10.716<br>10.595<br>10.473<br>10.341<br>10.302<br>10.388<br>10.439<br>10.490<br>10.541<br>10.592<br>10.643                                                                      |
| Original Ground Levels      | 8.617<br>9.000<br>9.000<br>9.000<br>9.000<br>9.000<br>9.222<br>8.000<br>8.000<br>9.978<br>9.587<br>9.587<br>9.555<br>9.523<br>9.500<br>9.500<br>9.500<br>9.500<br>9.443<br>9.375<br>9.370<br>9.413<br>9.437           |
| Temporary Platform          | 10.000<br>10.000<br>10.000<br>10.000<br>10.000<br>10.000<br>10.000<br>10.000<br>10.000<br>10.000<br>10.000<br>10.000<br>10.000<br>10.000<br>10.000<br>10.000                                                          |
| Groundwater Levels 10/11/22 | 8.111<br>8.114<br>8.116<br>8.120<br>8.129<br>8.141<br>8.166<br>8.192<br>8.206<br>8.219<br>8.228<br>8.227<br>8.220<br>8.206<br>8.195                                                                                   |
| Base of Made Ground         |                                                                                                                                                                                                                       |
| Base of Peat                |                                                                                                                                                                                                                       |
| Regular offsets             | -50.000<br>-45.000<br>-40.000<br>-35.000<br>-30.000<br>-25.000<br>-20.000<br>-15.000<br>-10.000<br>-5.000<br>0.500<br>5.000<br>10.000<br>15.000<br>20.000<br>25.000<br>30.000<br>35.000<br>40.000<br>45.000<br>50.000 |

Chainage 60.725m ( 270212.2E 195576.7N )

C

C'

| Datum -5.0                  |                                                                                                                                                                                                                                              |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Top of Capping Levels       | 8.500<br>9.500<br>11.100<br>12.107<br>13.258<br>14.410<br>15.561<br>15.966<br>15.896<br>15.904<br>15.911<br>15.935<br>15.959                                                                                                                 |
| Base of Capping Levels      | 8.500<br>10.000<br>11.007<br>12.158<br>13.310<br>14.461<br>14.866<br>14.827<br>14.796<br>14.804<br>14.811<br>14.835<br>14.859                                                                                                                |
| Original Ground Levels      | 8.630<br>8.908<br>9.000<br>8.585<br>9.000<br>9.000<br>9.000<br>9.000<br>8.500<br>8.000<br>10.000<br>11.000<br>11.500<br>12.000<br>12.500<br>13.000<br>13.426<br>13.411<br>13.411<br>13.758<br>13.754<br>14.000<br>14.000<br>13.908<br>13.958 |
| Temporary Platform          | 10.000<br>10.000<br>10.000<br>10.000<br>10.000<br>10.000<br>10.000<br>10.000<br>10.000<br>10.000<br>10.000<br>10.000<br>10.000<br>10.000<br>10.000<br>10.000                                                                                 |
| Groundwater Levels 10/11/22 | 8.269<br>8.269<br>8.269<br>8.269<br>8.269<br>8.269<br>8.269<br>8.269<br>8.269<br>8.269<br>8.269<br>8.269<br>8.269<br>8.269<br>8.269<br>8.269                                                                                                 |
| Base of Made Ground         | 2.916<br>2.957<br>2.999<br>3.040<br>3.081<br>3.122<br>3.164<br>3.205<br>3.246<br>3.287<br>3.329                                                                                                                                              |
| Base of Alluvium            | -1.534<br>-1.303<br>-1.072<br>-0.841<br>-0.610<br>-0.389<br>-0.177                                                                                                                                                                           |
| Regular offsets             | -50.000<br>-45.000<br>-40.000<br>-35.000<br>-30.000<br>-25.000<br>-20.000<br>-15.000<br>-10.000<br>-5.000<br>0.000<br>5.000<br>10.000<br>15.000<br>20.000<br>25.000<br>30.000<br>35.000<br>40.000<br>45.000<br>50.000                        |

Chainage 144.136m ( 270293.5E 195595.2N )

D

D'

| Datum -3.0                  |                                                                                                                                                                                                                       |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Top of Capping Levels       | 8.500<br>9.500<br>10.604<br>13.100<br>12.940<br>14.040<br>15.222<br>16.465<br>17.680<br>18.546<br>18.255<br>18.029<br>17.804<br>17.579<br>17.354                                                                      |
| Base of Capping Levels      | 8.500<br>9.451<br>10.604<br>12.000<br>12.940<br>14.040<br>14.132<br>15.385<br>16.590<br>17.446<br>17.185<br>16.929<br>16.704<br>16.479<br>16.254                                                                      |
| Original Ground Levels      | 8.110<br>8.394<br>8.500<br>8.585<br>8.500<br>8.500<br>8.500<br>8.500<br>8.500<br>8.500<br>8.500<br>8.500<br>8.500<br>8.500<br>8.500<br>8.500                                                                          |
| Temporary Platform          | 12.000<br>12.000<br>12.000<br>12.000<br>12.000<br>12.000<br>12.000<br>12.000<br>12.000<br>12.000<br>12.000<br>12.000<br>12.000<br>12.000<br>12.000<br>12.000                                                          |
| Groundwater Levels 10/11/22 | 8.406<br>8.406<br>8.406<br>8.406<br>8.406<br>8.406<br>8.406<br>8.406<br>8.406<br>8.406<br>8.406<br>8.406<br>8.406<br>8.406<br>8.406<br>8.406                                                                          |
| Base of Made Ground         | 3.179<br>3.258<br>3.337<br>3.416<br>3.495<br>3.574<br>3.653<br>3.732<br>3.811<br>3.890<br>3.969                                                                                                                       |
| Base of Peat                | 1.179<br>1.238<br>1.296<br>1.355<br>1.414<br>1.472<br>1.531<br>1.589<br>1.648<br>1.707<br>1.765                                                                                                                       |
| Base of Alluvium            | -0.221<br>-0.010<br>0.201<br>0.413<br>0.601<br>0.774<br>0.931<br>1.079<br>1.217<br>1.345<br>1.463                                                                                                                     |
| Regular offsets             | -50.000<br>-45.000<br>-40.000<br>-35.000<br>-30.000<br>-25.000<br>-20.000<br>-15.000<br>-10.000<br>-5.000<br>0.000<br>5.000<br>10.000<br>15.000<br>20.000<br>25.000<br>30.000<br>35.000<br>40.000<br>45.000<br>50.000 |

Chainage 236.428m ( 270385.1E 195607.2N )



Legend

0 First Issue 13.03.23  
REV COMMENT DATE



Unit 8, Commerce Park  
Brunel Road  
Theale  
Reading  
RG7 4AB  
01189 167340

Columbus House  
Greenmeadow Springs  
Tongwynlais  
Cardiff  
CF15 7NE  
02920 366636

enquiries@englobecorp.com  
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Client  
St Modwen

Project  
Coed Darcy

Title  
Cross Sections - Page 1 of 2

Drawn by  
JA

Checked  
AB

Date  
13.03.23

Authorised  
MH

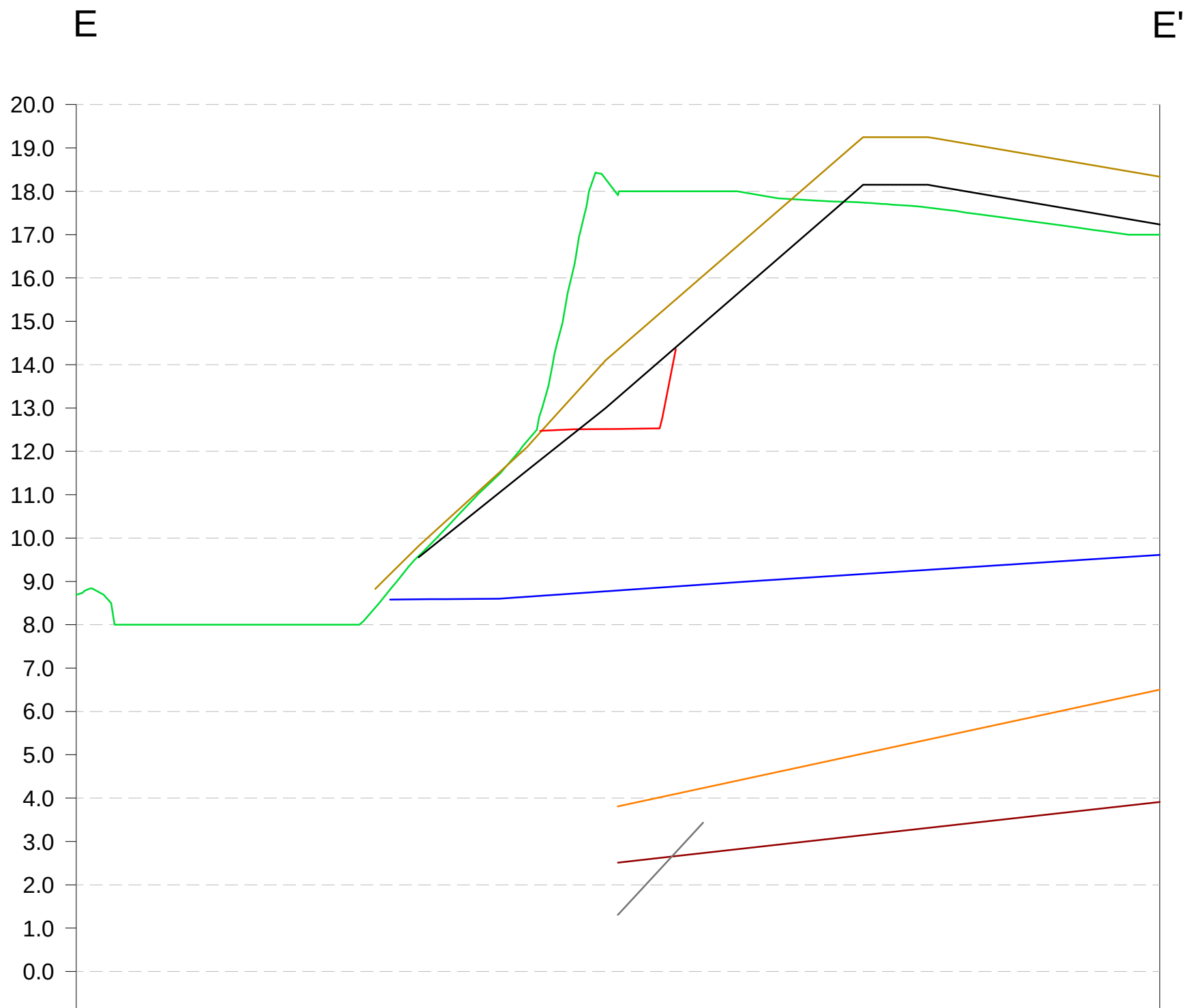
Date  
13.03.23

Original Scale  
Date  
24.02.23

Rev  
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Paper  
A1

Drawing Number  
D1870/23/5289/11a



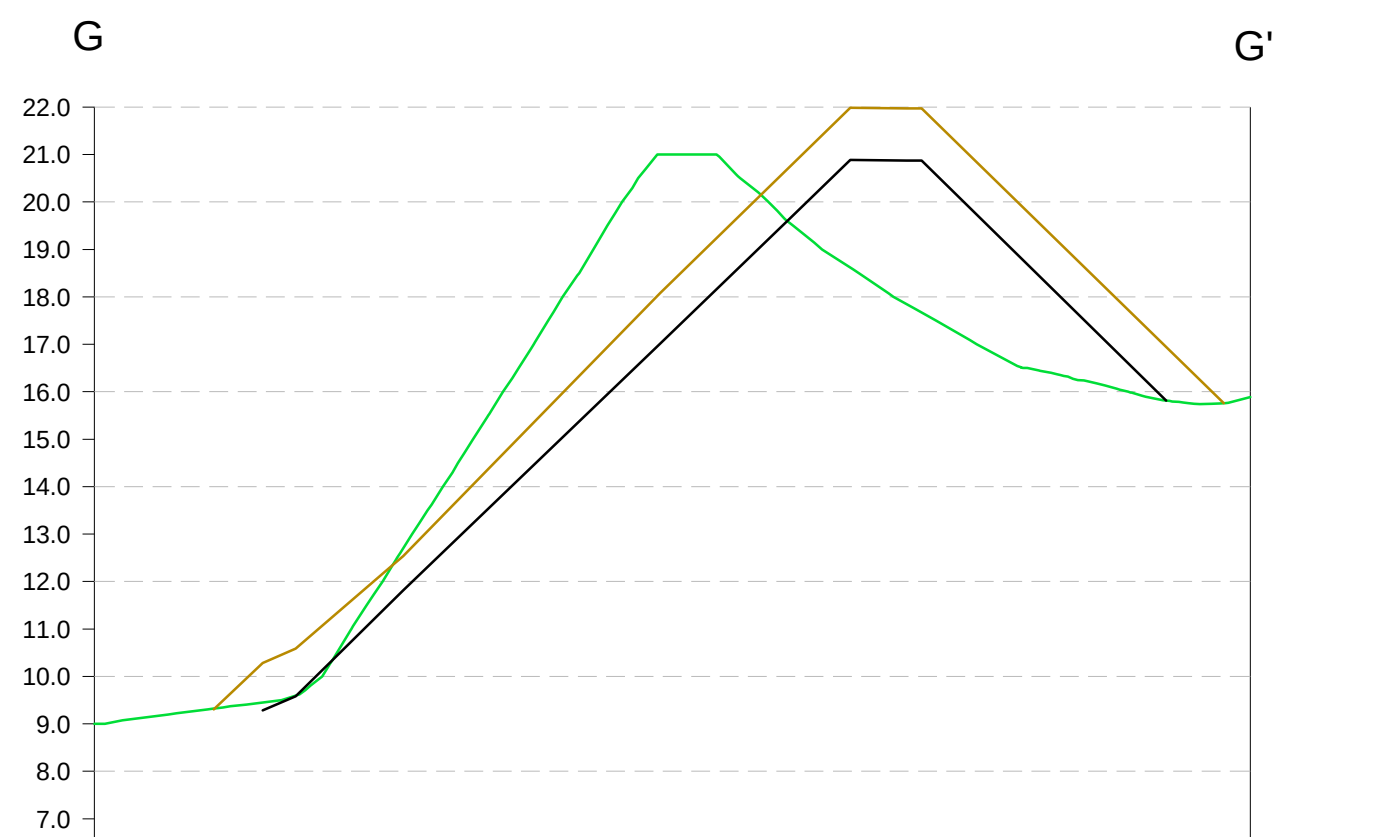
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|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Datum -1.0                  |                                                                                                                                                                                                                                                                                       |
| Top of Capping Levels       | 8 828<br>9 420<br>9 820<br>10 590<br>11 728<br>13 032<br>14 100<br>15 430<br>16 513<br>17 596<br>18 680<br>19 250<br>19 250<br>18 978<br>18 763<br>18 549<br>18 334                                                                                                                   |
| Base of Capping Levels      | 9 554<br>10 232<br>11 235<br>12 232<br>13 000<br>14 330<br>15 413<br>16 496<br>17 580<br>18 150<br>18 150<br>18 150<br>17 878<br>17 663<br>17 449<br>17 234                                                                                                                           |
| Original Ground Levels      | 8 692<br>8 700<br>8 800<br>8 000<br>8 000<br>8 000<br>8 000<br>8 000<br>8 000<br>10 000<br>10 500<br>11 500<br>12 500<br>15 000<br>16 000<br>18 000<br>18 000<br>18 000<br>18 000<br>17 837<br>17 763<br>17 701<br>17 580<br>17 500<br>17 412<br>17 244<br>17 072<br>17 000<br>17 000 |
| Temporary Platform          | 12 469<br>12 511<br>12 516<br>12 527<br>12 537                                                                                                                                                                                                                                        |
| Groundwater Levels 10/11/22 | 8 579<br>8 592<br>8 601<br>8 704<br>8 790<br>8 876<br>8 961<br>9 044<br>9 126<br>9 207<br>9 288<br>9 370<br>9 451<br>9 532<br>9 613                                                                                                                                                   |
| Base of Made Ground         | 3 810<br>4 079<br>4 348<br>4 617<br>4 886<br>5 155<br>5 424<br>5 693<br>5 962<br>6 231<br>6 500                                                                                                                                                                                       |
| Base of Peat                | 2 510<br>2 650<br>2 791<br>2 931<br>3 071<br>3 212<br>3 352<br>3 492<br>3 633<br>3 773<br>3 913                                                                                                                                                                                       |
| Base of Alluvium            | 1 310<br>2 659<br>3 431                                                                                                                                                                                                                                                               |
| Regular offsets             | -50 000<br>-45 000<br>-40 000<br>-35 000<br>-30 000<br>-25 000<br>-20 000<br>-15 000<br>-10 000<br>-5 000<br>0 000<br>5 000<br>10 000<br>15 000<br>20 000<br>25 000<br>30 000<br>35 000<br>40 000<br>45 000<br>50 000                                                                 |

Chainage 353.382m ( 270500.9E 195623.2N )



|                             |                                                                                                                                                                                                                                                                                                                                            |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Datum 1.0                   |                                                                                                                                                                                                                                                                                                                                            |
| Top of Capping Levels       | 9 390<br>10 398<br>11 293<br>12 318<br>13 335<br>14 100<br>15 571<br>16 766<br>17 875<br>18 983<br>20 091<br>20 951<br>20 929<br>19 193<br>17 451<br>15 723<br>14 365                                                                                                                                                                      |
| Base of Capping Levels      | 9 398<br>10 269<br>11 266<br>12 256<br>13 000<br>14 471<br>15 666<br>16 775<br>17 883<br>18 991<br>19 851<br>19 829<br>18 083<br>16 351<br>14 623<br>14 365                                                                                                                                                                                |
| Original Ground Levels      | 8 500<br>8 500<br>8 500<br>8 709<br>9 000<br>9 000<br>10 000<br>10 500<br>11 000<br>11 500<br>12 000<br>13 000<br>14 000<br>15 000<br>16 000<br>17 000<br>18 000<br>19 000<br>20 000<br>20 000<br>20 000<br>20 000<br>19 500<br>19 000<br>18 500<br>18 000<br>17 500<br>16 500<br>16 000<br>15 500<br>15 000<br>14 500<br>14 000<br>13 678 |
| Temporary Platform          | 13 000<br>13 000<br>13 999<br>13 999                                                                                                                                                                                                                                                                                                       |
| Groundwater Levels 10/11/22 | 10 500<br>10 506<br>10 524<br>10 560<br>10 628<br>10 667                                                                                                                                                                                                                                                                                   |
| Base of Made Ground         | 6 770<br>7 001<br>7 232<br>7 462<br>7 693<br>7 924<br>8 155<br>8 386<br>8 616<br>8 847<br>9 078                                                                                                                                                                                                                                            |
| Regular offsets             | -50 000<br>-45 000<br>-40 000<br>-35 000<br>-30 000<br>-25 000<br>-20 000<br>-15 000<br>-10 000<br>-5 000<br>0 000<br>5 000<br>10 000<br>15 000<br>20 000<br>25 000<br>30 000<br>35 000<br>40 000<br>45 000<br>50 000                                                                                                                      |

Chainage 432.616m ( 270579.4E 195634.3N )



|                        |                                                                                                                                                                                                                                                                                |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Datum 6.0              |                                                                                                                                                                                                                                                                                |
| Top of Capping Levels  | 9 305<br>9 868<br>10 282<br>10 686<br>11 765<br>12 901<br>14 179<br>15 457<br>16 736<br>18 014<br>19 235<br>20 453                                                                                                                                                             |
| Base of Capping Levels | 9 282<br>9 700<br>10 932<br>12 154<br>13 353<br>14 553<br>15 752<br>16 951<br>18 158<br>19 366                                                                                                                                                                                 |
| Original Ground Levels | 9 000<br>9 076<br>9 235<br>9 394<br>9 500<br>9 647<br>10 000<br>10 000<br>12 000<br>14 000<br>15 500<br>17 000<br>18 000<br>19 000<br>20 000<br>21 000<br>21 000<br>20 500<br>20 000<br>19 000<br>18 500<br>17 500<br>17 000<br>16 500<br>16 282<br>16 000<br>15 736<br>15 886 |
| Regular offsets        | -45 000<br>-40 000<br>-35 000<br>-30 000<br>-25 000<br>-20 000<br>-15 000<br>-10 000<br>-5 000<br>0 000<br>5 000<br>10 000<br>15 000<br>20 000<br>25 000<br>30 000<br>35 000<br>40 000<br>45 000<br>50 000                                                                     |

Chainage 469.795m ( 270615.1E 195644.5N )



Legend

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| 0   | First Issue | 13.03.23 |
| REV | COMMENT     | DATE     |



|                                                                                      |                                                                                             |                                                  |
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Client  
St Modwen

Project  
Coed Darcy

Title  
Cross Sections - Page 2

|                |                  |                  |                  |                  |
|----------------|------------------|------------------|------------------|------------------|
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| Original Scale | Date<br>24.02.23 | Rev<br>0         | Paper<br>A1      |                  |

Drawing Number  
D1870/23/5289/11b



- Legend
- NRW Permit Boundary
  - × Perimeter Location (Screened to lowest seasonal GW level) - Combined gas + groundwater monitoring
  - + In-Waste Location (Full waste depth, plugged at base) - Combined gas and groundwater monitoring locations.

|     |             |          |
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| REV | COMMENT     | DATE     |

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Client  
St Modwen Homes

Project  
Coed Darcy Tip

Title  
Proposed Permit Surrender  
Monitoring Locations

|                       |                  |                  |                  |                  |
|-----------------------|------------------|------------------|------------------|------------------|
| Drawn by<br>JA        | Checked<br>AB    | Date<br>13.03.23 | Authorised<br>MH | Date<br>13.03.23 |
| Original Scale<br>NTS | Date<br>23.02.23 | Rev<br>0         | Paper<br>A1      |                  |

Drawing Number  
D1870/23/5289/12



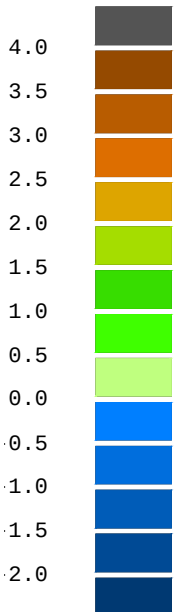
Cut and Fill Volume Summary

| Description | Cut Area (m <sup>2</sup> ) | Cut Volume (m <sup>3</sup> ) | Fill Area (m <sup>2</sup> ) | Fill Volume (m <sup>3</sup> ) | Total Area (m <sup>2</sup> ) | Net Volume (m <sup>3</sup> ) |
|-------------|----------------------------|------------------------------|-----------------------------|-------------------------------|------------------------------|------------------------------|
| Upper Tip   | 15,919                     | -22,945                      | 45,061                      | 47,352                        | 60,979                       | 24,408                       |
| Lower Tip   | 934                        | -245                         | 14,706                      | 8,539                         | 15,640                       | 8,294                        |
|             |                            | -23,190                      |                             | 55,892                        |                              | 32,702                       |



Legend

Cut and Fill Level Differences



- Site Boundary
- Environmental Permit Boundary
- Spot Level on Base of Capping
- Top/Bottom of Batter
- Level String
- Major Contour (5m Interval)
- Minor Contour (1m Interval)

|     |             |          |
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| 0   | First Issue | 13.03.23 |
| REV | COMMENT     | DATE     |



|                                                                                      |                                                                                             |                                                  |
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|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|--------------------------------------------------|

Client  
St Modwen

Project  
Coed Darcy  
Crymlyn Tip Restoration

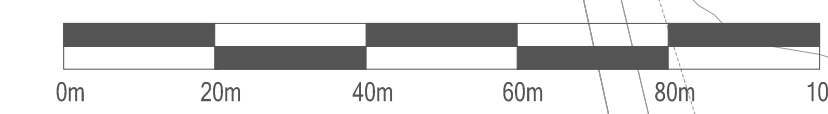
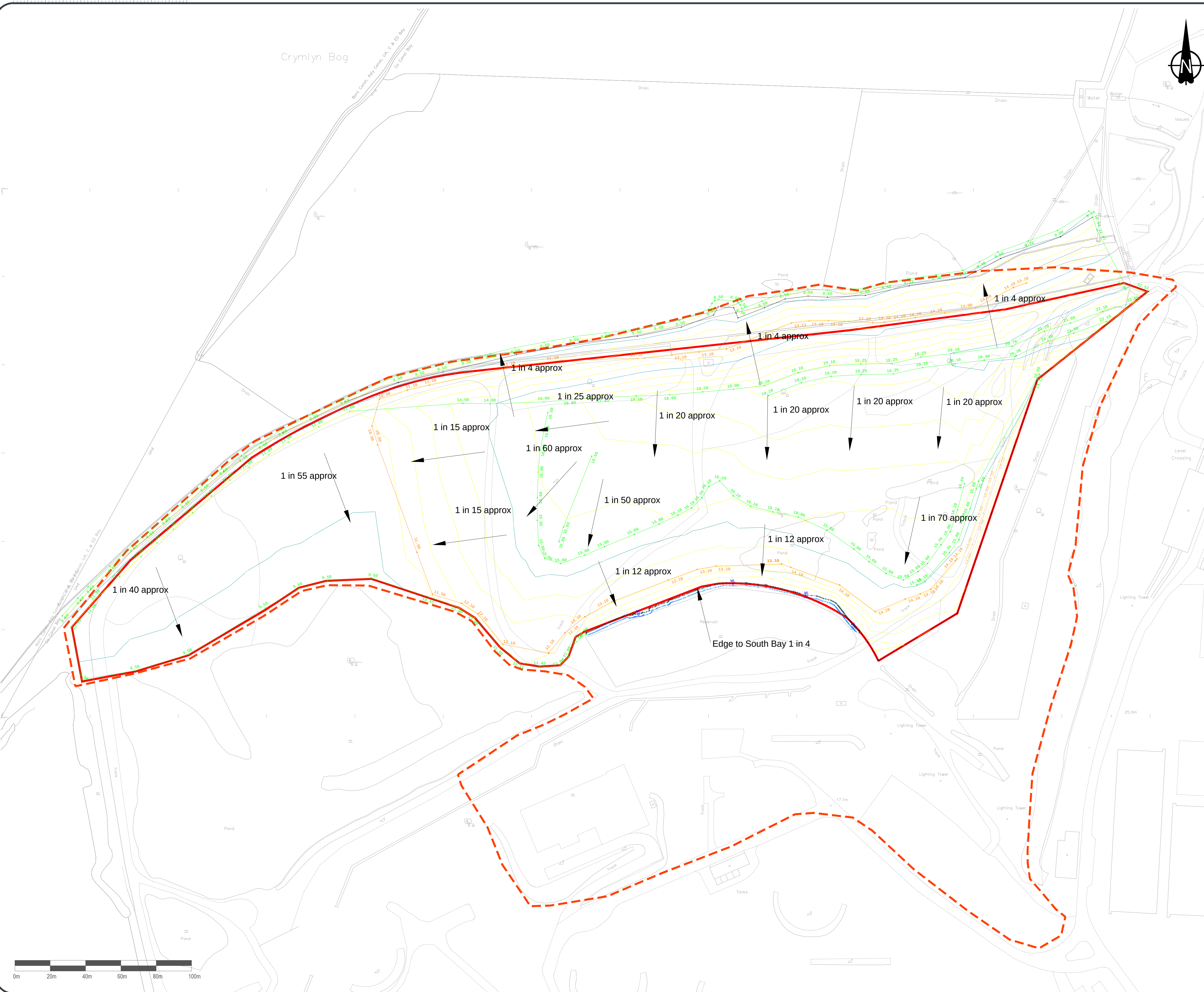
Title  
Cut and Fill Isopachites

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| Original Scale<br>1:1000 @ A1 | Date<br>24/02/23            | Rev<br>0                       |
| Drawing Number                | Paper<br>A1                 |                                |

D1870/23/5289/13



mm 10 20 30 40 50 60 70 80 90 100



- Legend
- Site Boundary
  - Environmental Permit Boundary
  - Spot Level on Base of Capping
  - Top/Bottom of Batter
  - Level String
  - Major Contour (5m Interval)
  - Minor Contour (1m Interval)

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| <b>ENGLOBE</b>                                                                       |                                                                                             |                                                  |
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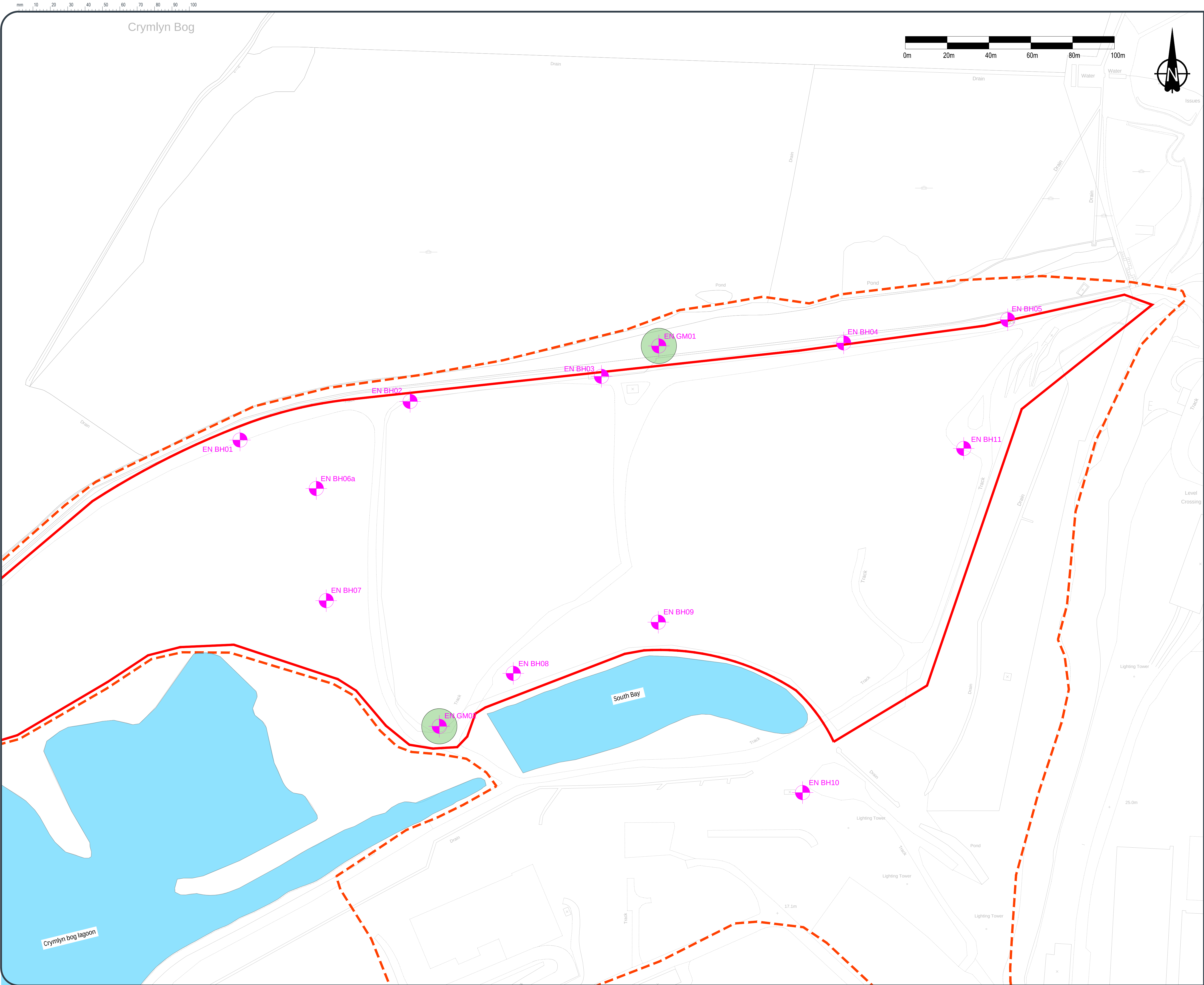
Client  
**St Modwen**

Project  
**Coed Darcy  
Crymlyn Tip Restoration**

Title  
**Slope Angles on Final  
Site Profile**

|                               |                             |                                |
|-------------------------------|-----------------------------|--------------------------------|
| Drawn by<br>IW                | Checked Date<br>AB 13.03.23 | Authorised Date<br>MH 13.03.23 |
| Original Scale<br>1:1000 @ A1 | Date<br>24/02/23            | Rev<br>0                       |
| Drawing Number                |                             | Paper<br>A1                    |

D1870/23/5289/14



- Legend**
- Site Boundary
  - NRW Permit Boundary
  - EN BH Englobe Borehole Location
  - Borehole Installed for Ground Gas / Vapour Monitoring

|     |             |          |
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|                                                                                                      |                                                                                             |                                                  |
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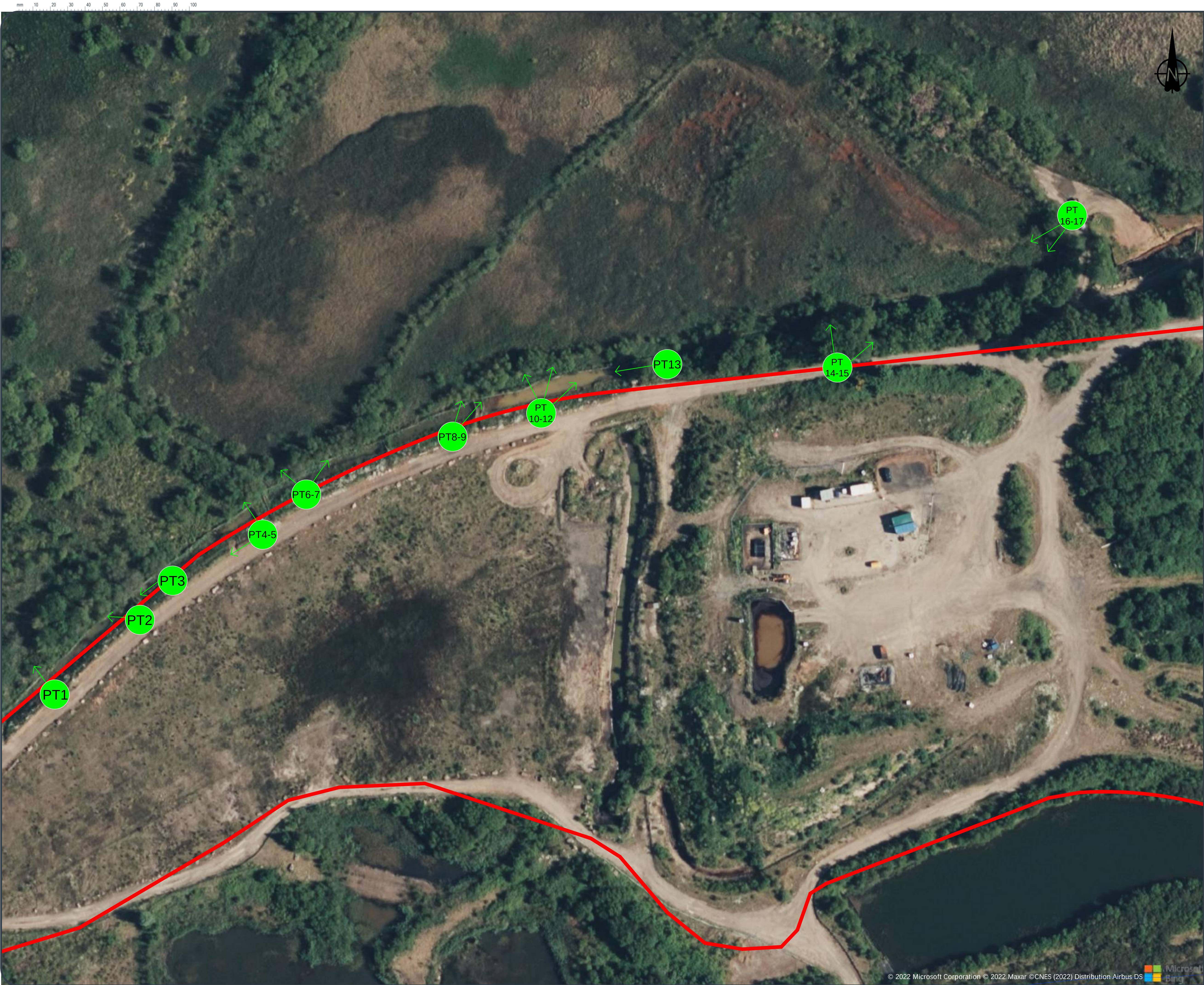
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| Client          |
| St Modwen Homes |

|                |
|----------------|
| Project        |
| Coed Darcy Tip |

|                            |
|----------------------------|
| Title                      |
| 2022 SI Borehole Locations |

|                       |                  |                  |                  |                  |
|-----------------------|------------------|------------------|------------------|------------------|
| Drawn by<br>JA        | Checked<br>AB    | Date<br>13.03.23 | Authorised<br>MH | Date<br>13.03.23 |
| Original Scale<br>NTS | Date<br>24.02.23 | Rev<br>0         | Paper<br>A1      |                  |

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| Drawing Number   |
| D1870/23/5289/15 |



- Legend
- Environment Agency Permit Boundary
  - Englobe Photo Location

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|                                                                                                      |                                                                                             |                                                  |
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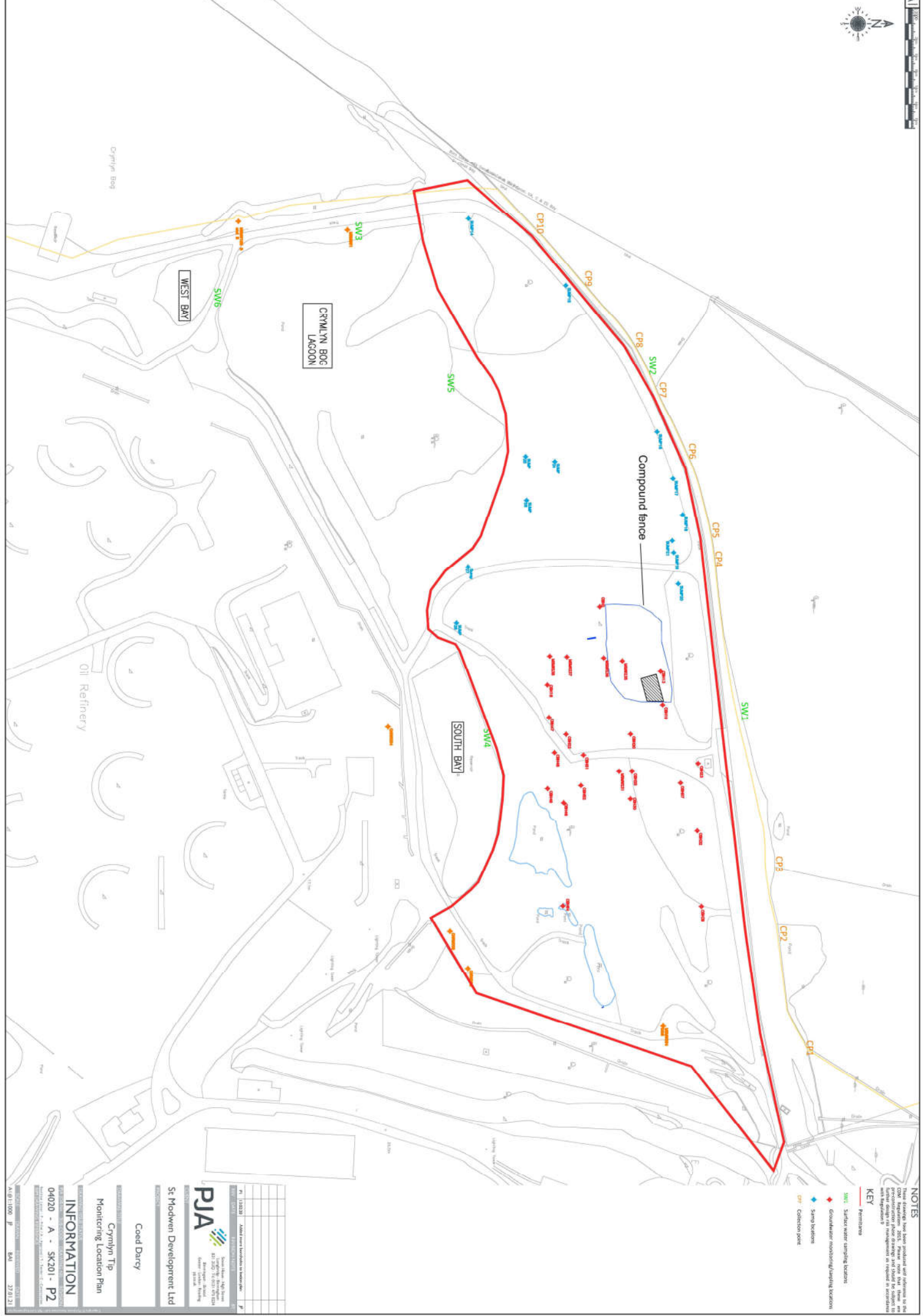
Client  
St Modwen

Project  
Coed Darcy Tip

Title  
Peripheral Trench Photo  
Survey Locations

|                       |                        |                     |                    |
|-----------------------|------------------------|---------------------|--------------------|
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Drawing Number  
D1870/23/5289/16



NOTES

COM Regulation 2015. Please note that these are pre-construction phase drawings and should be subject to further design risk management as required in accordance with Regulation 9.

**KEY**  
— Permittance

**SW-1** Surface water sampling locations

Groundwater monitoring/sampling locations

◆ Sump locations

773 **summary points**

8302

## INFORMATION

04020 - A - SK201 - P2

|      |          |    |          |
|------|----------|----|----------|
| DATE | 10/10/04 | BY | 27.01.21 |
| TIME | 10:00    | BY | 27.01.21 |
| DATE | 10/10/04 | BY | 27.01.21 |
| TIME | 10:00    | BY | 27.01.21 |

Coed Darcy

## Crymlyn Tip

### Monitoring Location Plan

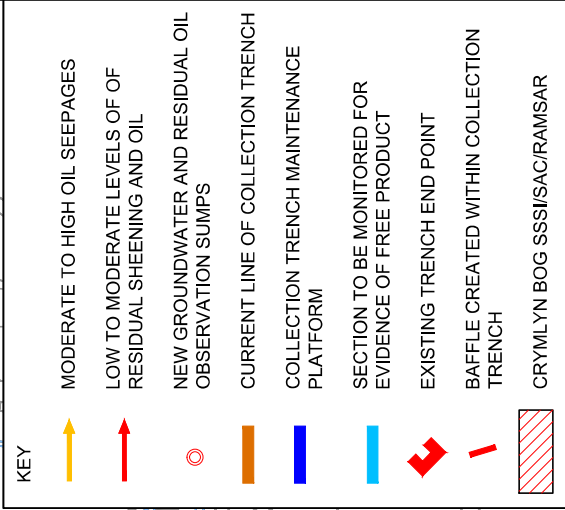
## Monitoring Location Plan

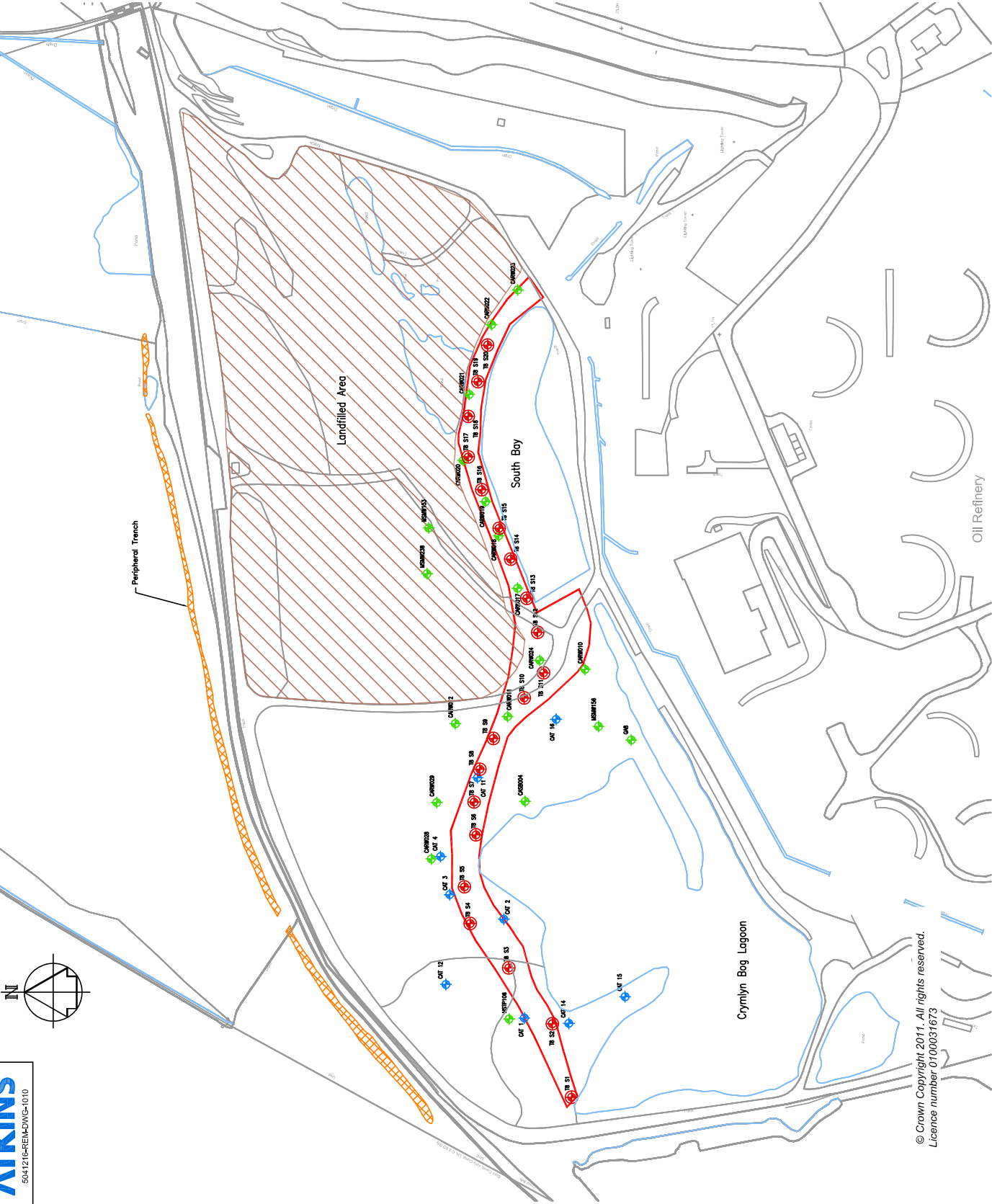
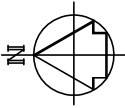
St Modwen Development Ltd

**PJA**  
  
 Susan Hahn - High Point  
 Langley - Birmingham  
 811 310 / 76.915 675 B24  
 Birmingham - Bristol  
 Greater London - Reading  
 18 18 18

| Page | Date       | Page |
|------|------------|------|
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- KEY
- Phase boundary
  - Historic exploratory boreholes
  - Atkins pre-work exploratory boreholes
  - Celtic Monitoring Sump

DRAFT

| REVISIONS | Drawn By | Checked By | Date |
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THIS DRAWING IS NOT TO BE SCALED

CLIENT

PROJECT  
COED DARCY URBAN VILLAGE

DRAWING TITLE  
CENTRAL TRENCH HISTORIC AND RECENT  
EXPLORATORY HOLE LOCATIONS

| SCALE  | DRAWN | CHECKED | CO-ORD CHECK |
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| 1:2000 | MJ    | AM      |              |
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| DRAWING NO           | SHEET | PLOT DATE | REV |
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