



BIRD'S EYE VIEW

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- KEY**
- DEVELOPMENT AREA BOUNDARY
  - PHOTOGRAPH LOCATION

| REV | DESCRIPTION | DATE | BY |
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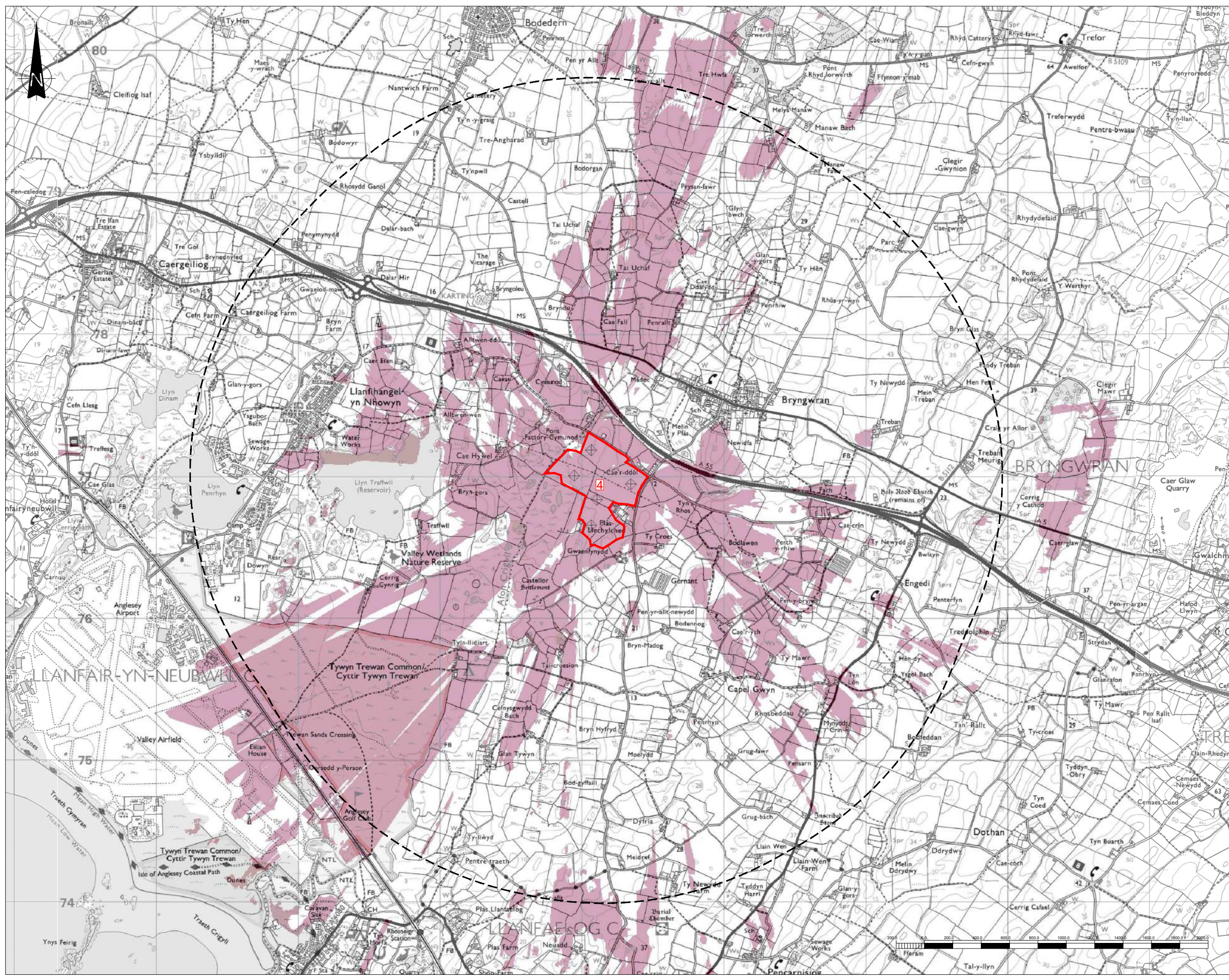


JOB TITLE  
**PARC SOLAR TRAFFWLL**

DRAWING TITLE  
**FIGURE 7.13 - PLOT 6 - LANDSCAPE STRUCTURE**

| DRAWN | DATE     | APPROVED | DATE     |
|-------|----------|----------|----------|
| S.T   | 5/5/2021 | A.S      | 5/5/2021 |

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- NOTES**
1. THIS DRAWING IS BASED UPON A COMPUTER GENERATED ZONE OF THEORETICAL VISIBILITY (ZTV) WHICH ILLUSTRATES AREAS FROM WHERE IT MAY BE THEORETICALLY POSSIBLE TO VIEW ALL OR PART OF THE PROPOSED DEVELOPMENT. THE ZTV IS GENERATED USING REPRESENTATIVE HEIGHT POINTS (3m agl) SPACED WITHIN THE SITE. THE ZTV INCORPORATES THE SCREENING EFFECTS OF BUILDINGS (C. 8.5m HIGH BARRIER) AND WOODLAND COVER (C. 12m HIGH BARRIER) AS MAPPED ON ORDNANCE SURVEY VECTOR MAP DISTRICT DATA, BUT OMMITS SMALLER VEGETATION (EG HEDGEROWS) AND LOCALISED LANDFORM VARIATIONS. AS A RESULT THERE MAY BE RECEPTORS WITHIN THE STUDY AREA WHICH ALTHOUGH SHOWN AS FALLING WITHIN THE ZTV, ARE SCREENED OR FILTERED WHICH PRECLUDES VIEWING OPPORTUNITIES.
  2. THE ZTVS ARE CALCULATED USING WINDFARM RESOFT SOFTWARE THROUGH THE COMBINATION OF A DIGITAL TERRAIN MODEL (DTM) OF THE LANDSCAPE, DERIVED FROM THE ORDNANCE SURVEY 'TERRAIN 5' 5m RESOLUTION DTM DATA COMBINED WITH THE REPRESENTATIVE ILLUSTRATIVE HEIGHT POINTS FOR THE SOLAR ARRAYS. IN CALCULATING INTER VISIBILITY, THE SOFTWARE INCORPORATES EARTH CURVATURE AND THE EFFECTS OF REFRACTION THROUGH THE ATMOSPHERE. THE RESULTING ZTV IS OVERLAID ON OS MAPPING AT AN APPROPRIATE SCALE.

- KEY**
- DEVELOPMENT AREA BOUNDARIES
  - - - STUDY AREA (2.5km)
  - SOLAR ARRAYS THEORETICALLY VISIBLE

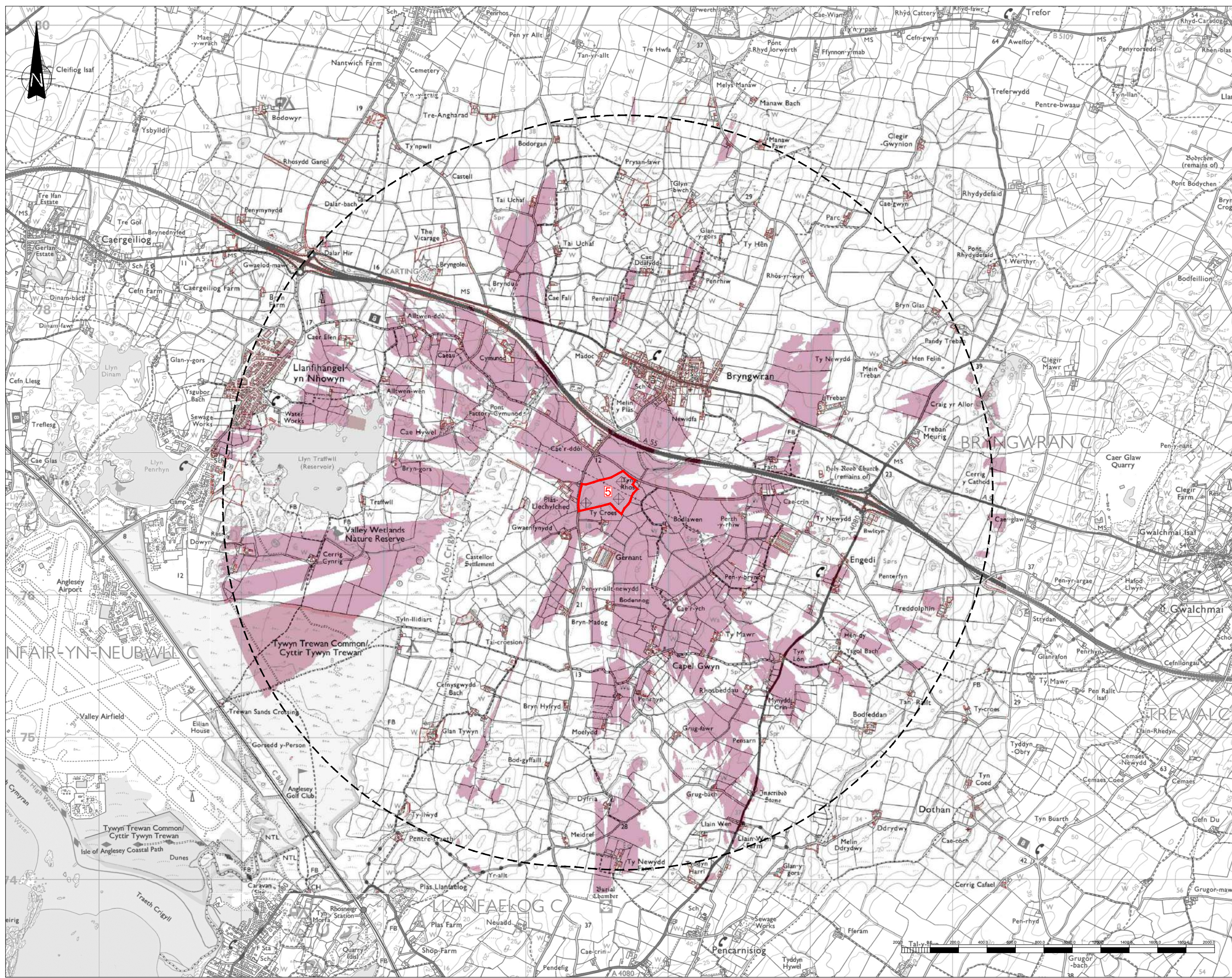
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**FIGURE 7.14 - PLOT 4 - ZONE OF THEORETICAL VISIBILITY (ZTV) (2.5km)**

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**KEY**

- DEVELOPMENT AREA BOUNDARIES
- STUDY AREA (2.5km)
- SOLAR ARRAYS THEORETICALLY VISIBLE

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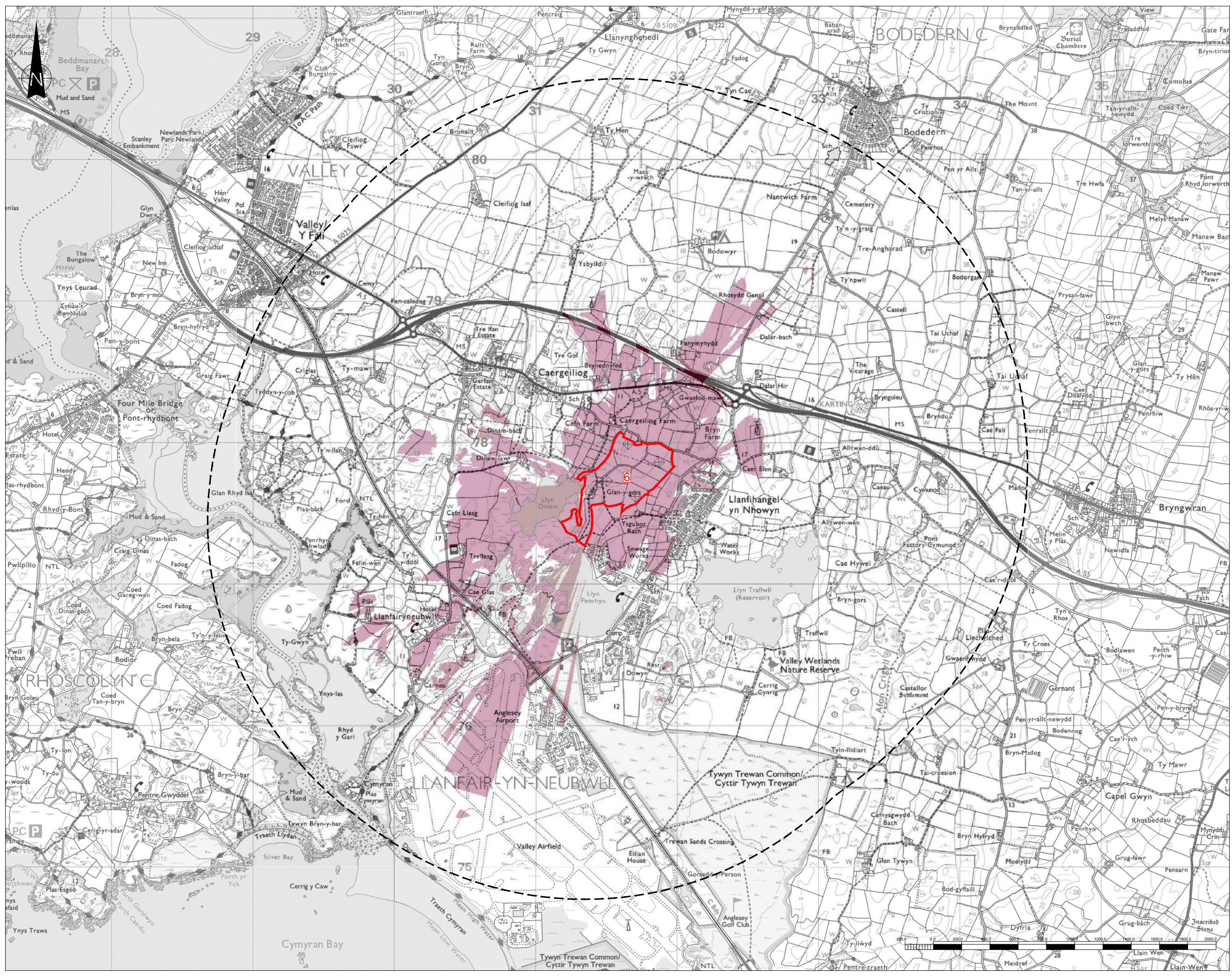
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4245 Park Approach, Thorpe Park, Leeds. LS18 6GB. 0113 264 9960

JOB TITLE  
**PARC SOLAR TRAFFWLL**

DRAWING TITLE  
**FIGURE 7.15 - PLOT 5 - ZONE OF THEORETICAL VISIBILITY (ZTV) (2.5km)**

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- KEY**
- DEVELOPMENT AREA BOUNDARIES
  - - - STUDY AREA (2.5km)
  - SOLAR ARRAYS THEORETICALLY VISIBLE

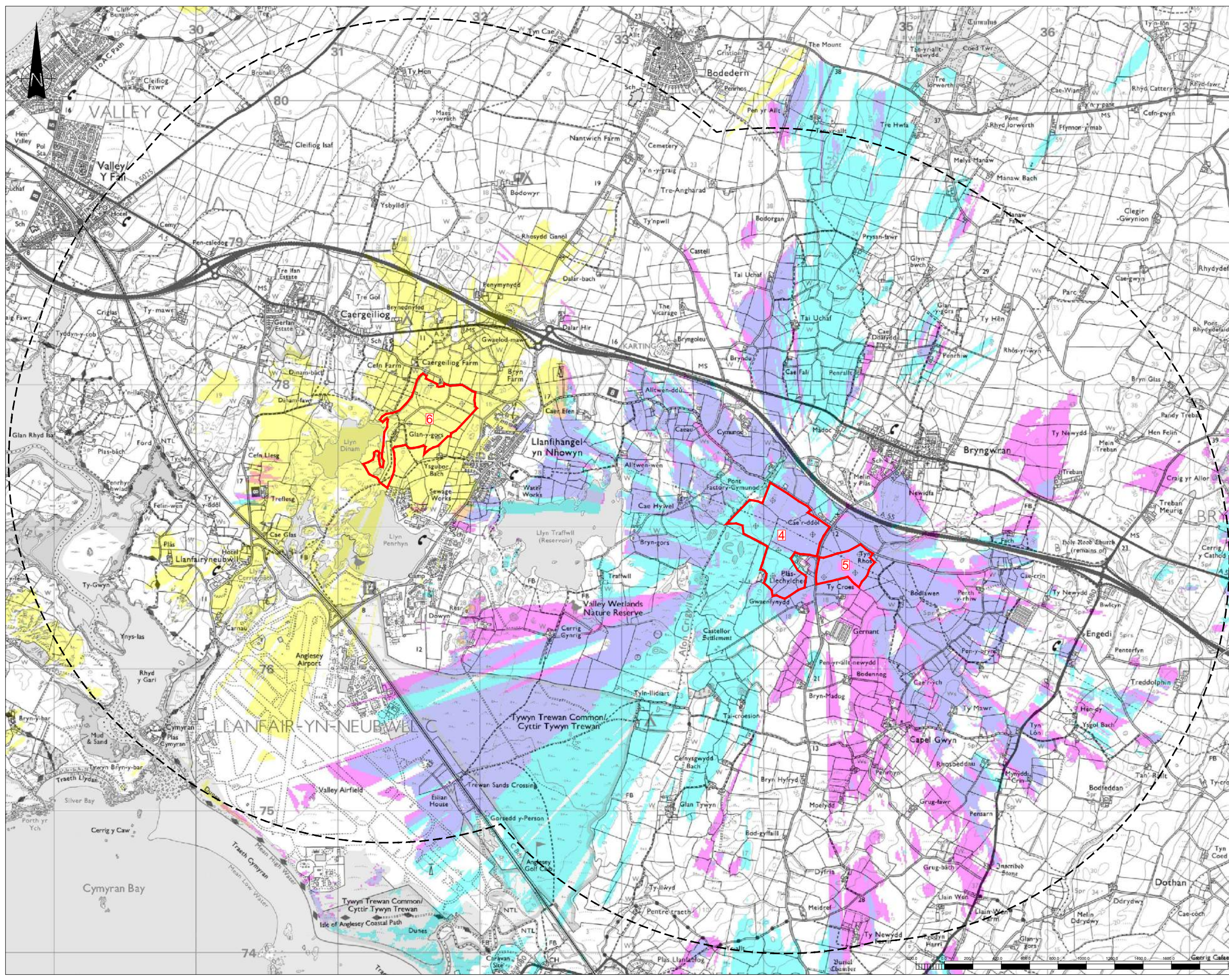
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FIGURE 7.16 - PLOT 6 - ZONE OF THEORETICAL VISIBILITY (ZTV) (2.5km)

| DRAWN          | DATE          | APPROVED | DATE     |
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- KEY**
- DEVELOPMENT AREA BOUNDARIES
  - STUDY AREA (2.5km)
  - THEORETICALLY VISIBLE PLOT 4
  - THEORETICALLY VISIBLE PLOT 5
  - THEORETICALLY VISIBLE PLOT 6
  - THEORETICALLY VISIBLE PLOTS 4 and 5
  - THEORETICALLY VISIBLE PLOTS 4 and 6
  - THEORETICALLY VISIBLE PLOTS 5 and 6
  - THEORETICALLY VISIBLE PLOTS 4, 5 and 6

PLAN TO BE CROSS REFERENCED WITH INDIVIDUAL SOLAR PLOT ZTVs

1. THIS DRAWING IS BASED UPON A COMPUTER GENERATED ZONE OF THEORETICAL VISIBILITY (ZTV) WHICH ILLUSTRATES AREAS FROM WHERE IT MAY BE THEORETICALLY POSSIBLE TO VIEW ALL OR PART OF THE PROPOSED DEVELOPMENT. THE ZTV IS GENERATED USING REPRESENTATIVE HEIGHT POINTS (5m) SPACED WITHIN THE SITE. THE ZTV INCORPORATES THE SCREENING EFFECTS OF BUILDINGS (C.8.5m HIGH BARRIER) AND WOODLAND COVER (C.12m HIGH BARRIER) AS MAPPED ON ORDNANCE SURVEY VECTOR MAP DISTRICT DATA, BUT OMITTS SMALLER VEGETATION (EG HEDGEROWS) AND LOCALISED LANDFORM VARIATIONS. AS A RESULT THERE MAY BE RECEPTORS WITHIN THE STUDY AREA WHICH ALTHOUGH SHOWN AS FALLING WITHIN THE ZTV ARE SCREENED OR FILTERED WHICH PRECLUDES VIEWING OPPORTUNITIES.
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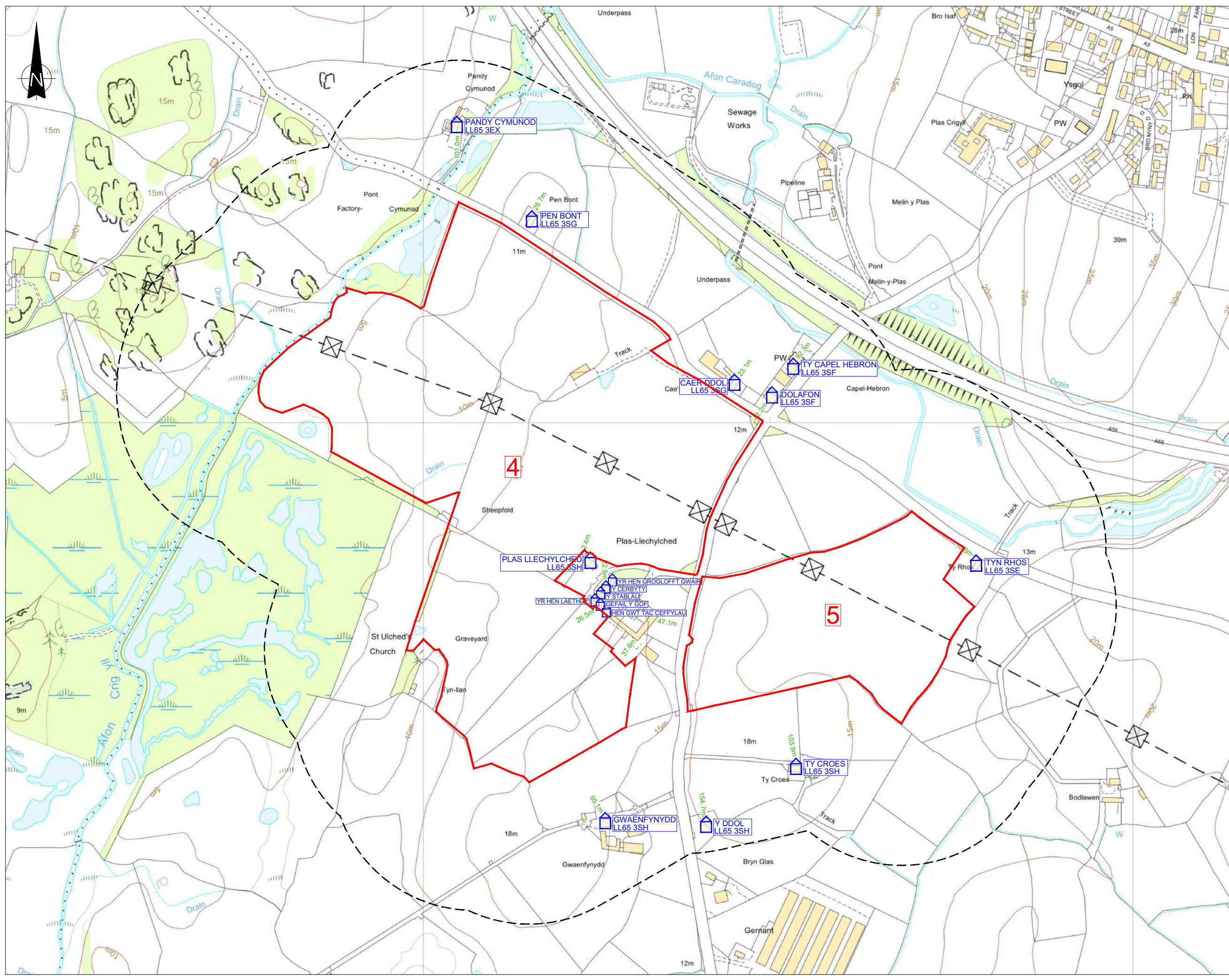


**JOB TITLE**  
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**DRAWING TITLE**  
**FIGURE 7.17 - ALL PLOTS COMBINED - ZONE OF THEORETICAL VISIBILITY (ZTV) (2.5km)**

| DRAWN   | DATE      | APPROVED       | DATE      |
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**KEY**

- DEVELOPMENT AREA BOUNDARIES
- - - - - STUDY AREA (200m)
- 12.3m DISTANCE TO SITE BOUNDARY

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**FIGURE 7.18 - PLOTS 4 AND 5 - RESIDENTIAL RECEPTORS (UP TO 200m)**

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