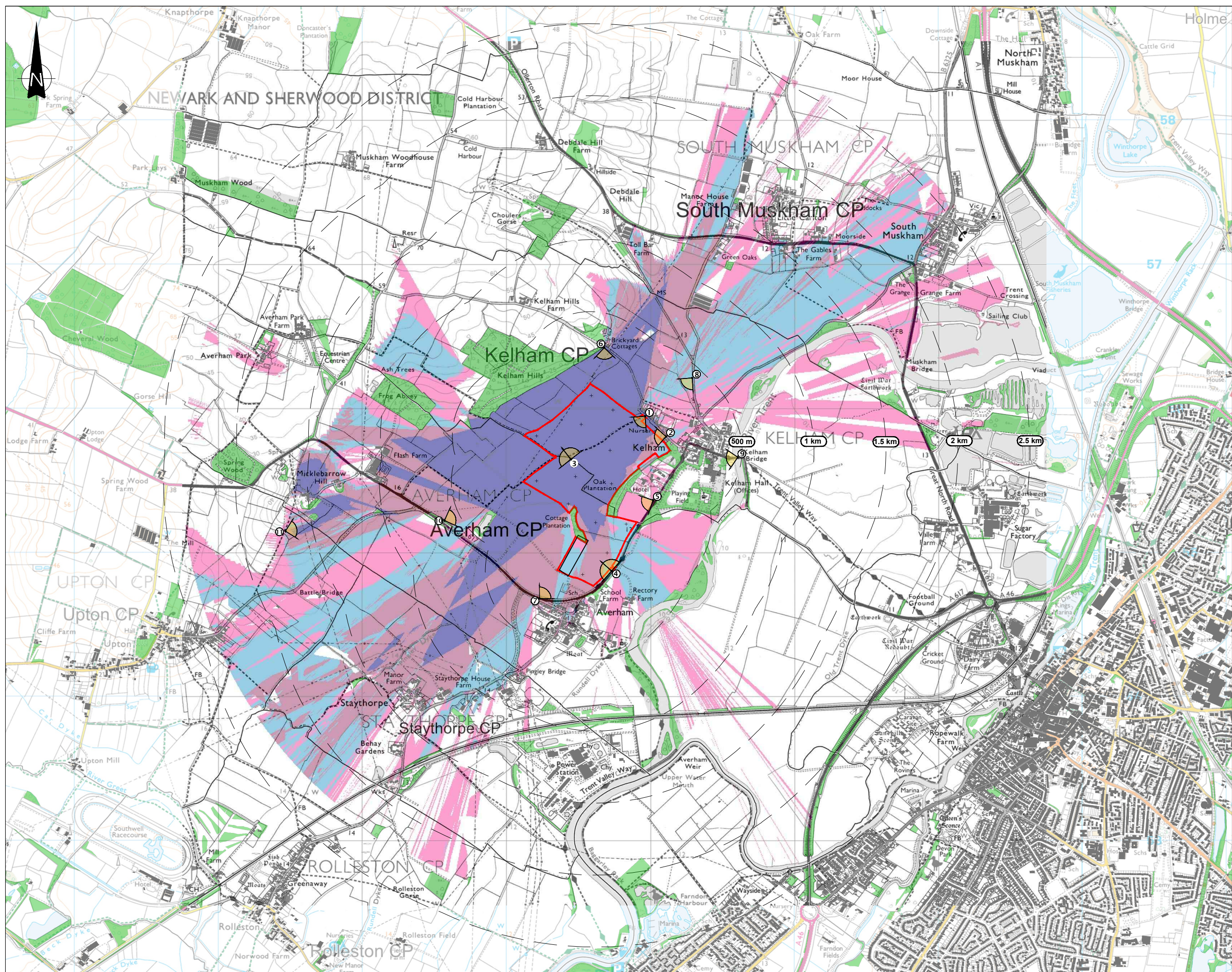




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#### KEY

- 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 (2m agl) SPACED WITHIN THE SITE. THE (SCREENING) ZTV INCORPORATES THE SCREENING EFFECTS OF BUILDINGS (C.8m 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.
- 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. 1.6M VIEWING HEIGHT.

#### KEY

- SITE BOUNDARY
- STUDY AREA (500m bands / 2.5km)
- c.1 - 25% OF SOLAR ARRAYS THEORETICALLY VISIBLE
- c.26 - 50% OF SOLAR ARRAYS THEORETICALLY VISIBLE
- c.51% - 75% OF ARRAY THEORETICALLY VISIBLE
- c.76% - 100% OF ARRAYS THEORETICALLY VISIBLE
- ZTV HEIGHT SURVEY REFERENCE POINT
- PROPOSED VIEWPOINT
- WOODLAND
- BUILDINGS

| REV | DESCRIPTION | DATE | BY |
|-----|-------------|------|----|
|-----|-------------|------|----|

#### CLIENT

ASSURED ASSET  
SOLAR 2 LTD



4245 Park Approach, Thorpe Park, Leeds. LS15 8GB. 0113 264 9960

#### JOB TITLE

KELHAM SOLAR FARM AND BESS

#### DRAWING TITLE

ZONE OF THEORETICAL  
VISIBILITY - BARRIERS

| DRAWN    | DATE      | APPROVED       | DATE      |
|----------|-----------|----------------|-----------|
| A.S.     | 28/9/2023 | J.C            | 28/9/2023 |
| SCALE    | SHEET     | DRAWING NUMBER | REVISION  |
| 1:25,000 | A3L       | HOR1002/02/03  | 0         |