

**LIGHTING**  
 TO MITIGATE LIGHTING ISSUES, EXTERNAL LIGHTING WILL BE MINIMIZED THROUGHOUT THE SITE. WHERE REQUIRED, LIGHTING WILL BE REDUCED TO ITS MOST PRACTICAL LEVEL AND LOCATED IN THE LEAST ECOLOGICALLY SENSITIVE AREAS.

LIGHTING WILL BE FIXED AT MORE THAN 3m ABOVE GROUND LEVEL WITH THE LIGHT SPREAD KEPT AT, OR BELOW, THE HORIZONTAL USING COWLS, HOODS, SCREENS OR SIMPLY BY DOWNWARD DIRECTIONALLY. BULBS WILL BE LOW INTENSITY WITH A NARROW OR UV REDUCED SPECTRUM (150w, HIGH OR LOW SODIUM TYPES OR LED) LED LIGHTING, PREFERABLY INCORPORATING AN ORANGE FILTER, WILL BE APPROPRIATE NEAR ALL BOUNDARY.

ANY PIR SYSTEMS SHOULD BE SET ON A SHORT TIMBER AND RESPONSIVE ONLY TO LARGER MOVING OBJECTS.

**New Planting**

Planting will take place in the first season (Nov-Mar) following the completion of the development. Planting in very cold or wet weather will be avoided. Plants are to be obtained from a reputable supplier. Hedgerow planting will be carried out in accordance with BS4428:1989, Code of Practice for General Landscape Operations. Hedgerow shrubs shall be trench planted. Hedge trenches will be dug to a minimum depth of 400mm and width of 600mm, with the plants put into the ground at the same depth at which they had been previously grown in the nursery.

Maintenance of the proposed and existing hedgerows will be carried out for the lifetime of the development to ensure the plantings remain healthy and in keeping with the original approval. Any plants which die or are considered to be unhealthy will be replaced for the lifetime of the development.

Long term maintenance will also be carried out. Hedge trimmings will only take place in Jan - Feb to avoid the destruction of birds nests and also to allow for any berry crops to be used by wintering birds. When trimmed, in order to promote faster growth at the tops and sides, the hedge will be trimmed and pruned in a 'shaped A shape' hedge. This is best for hedge viability and for welfare.

The planted hedgerows will be protected from rodent damage, with the use of rabbit netting which will be removed once the plants are well established. Weed control is essential if newly planted hedges are to establish and will be undertaken for at least the first 3 years after planting. To prevent weed competition an area of 1m across will be cleared of vegetation in line with the new hedge. Protection from grazing animals, both livestock and wild animals will be provided by the erections of fencing under the hedge becomes established.

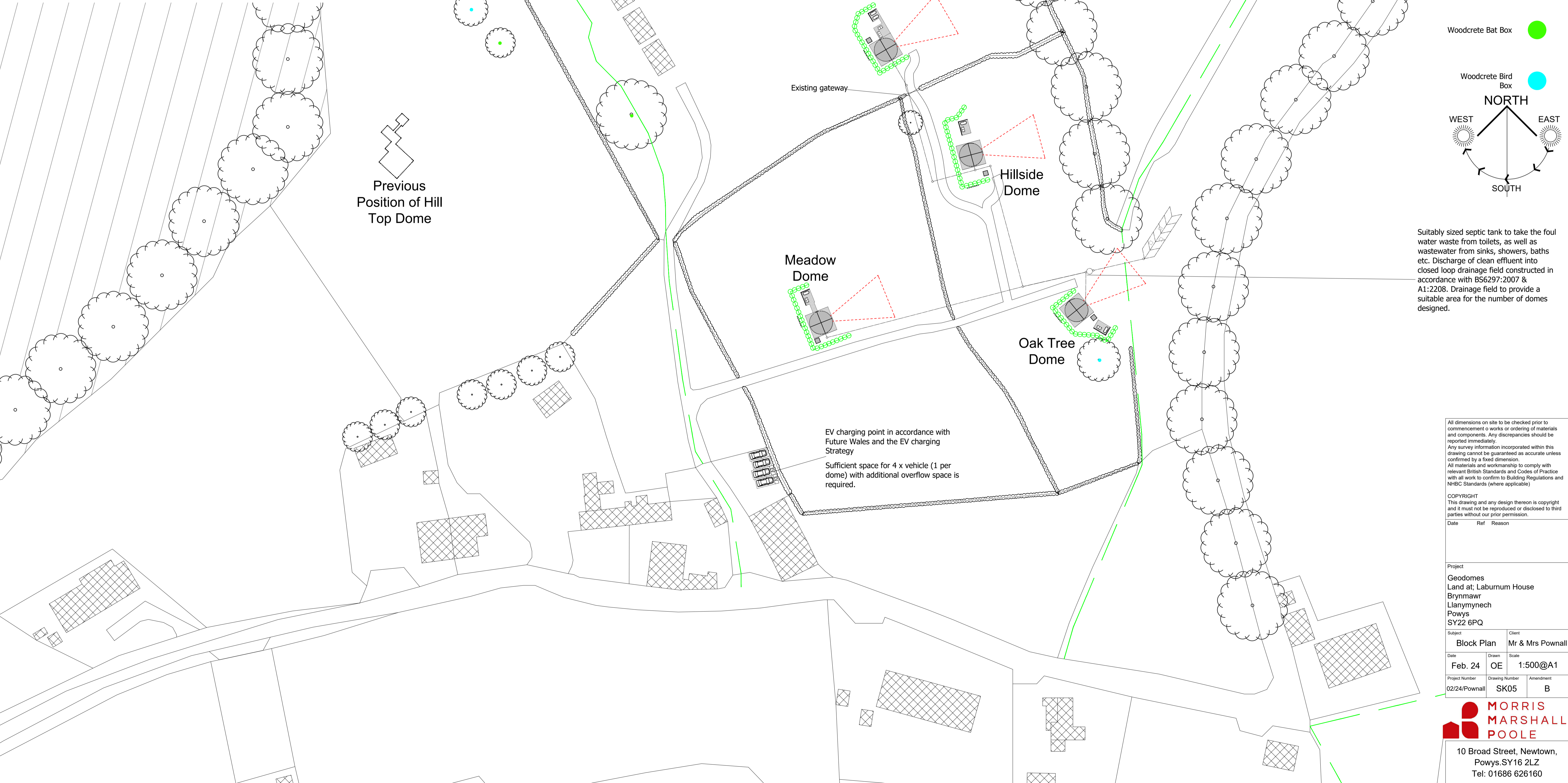
**Bat Mitigation Measures**

2 x Schwegler 2F Woodcrete bat boxes to be erected on mature trees on the surrounding site. Boxes to be positioned 4m above ground level with access points facing South

**Bird Mitigation Measures**

2 x Woodcrete open fronted bird boxes to be erected on mature trees on the surrounding site. Boxes to be positioned with access point facing North

Any birds found nesting should only be removed out of the bird nesting season (Sept-Feb)



Dome window visibility

Decking

New native hedgerow planting

Existing hedgerow

1m high closed board screening

Solar panels

Existing trees

Indicative drainage run. Exact positions of pipes to be confirmed during construction

Woodcrete Bat Box

Woodcrete Bird Box

**NORTH**

WEST EAST

SOUTH

Suitably sized septic tank to take the foul water waste from toilets, as well as wastewater from sinks, showers, baths etc. Discharge of clean effluent into closed loop drainage field constructed in accordance with BS6297:2007 & A1:2208. Drainage field to provide a suitable area for the number of domes designed.

All dimensions on site to be checked prior to commencement of works or ordering of materials and components. Any discrepancies should be reported immediately.  
 Any survey information incorporated within this drawing cannot be guaranteed as accurate unless confirmed by a fixed dimension.  
 All materials and workmanship to comply with relevant British Standards and Codes of Practice with all work to conform to Building Regulations and NHBC Standards (where applicable)

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| Date  | Ref            | Reason           |
|---|----------------|------------------|
| Project   |                |                  |
| Geodomes<br>Land at: Laburnum House<br>Brynmawr<br>Llanymynech<br>Powys<br>SY22 6PQ |                |                  |
| Subject   |                | Client           |
| Block Plan  |                | Mr & Mrs Pownall |
| Date  | Drawn          | Scale            |
| Feb. 24   | OE             | 1:500@A1         |
| Project Number  | Drawing Number | Amendment        |
| 02/24/Pownall   | SK05           | B                |

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