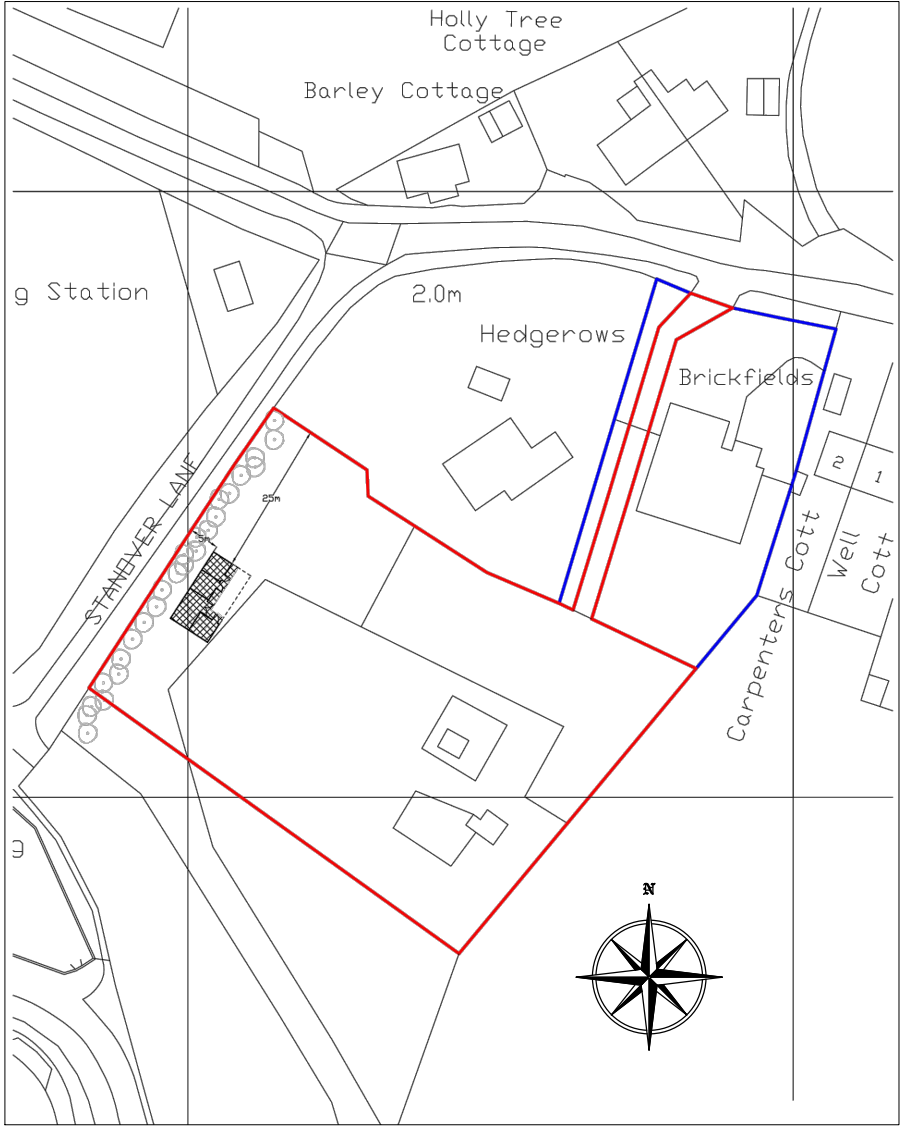
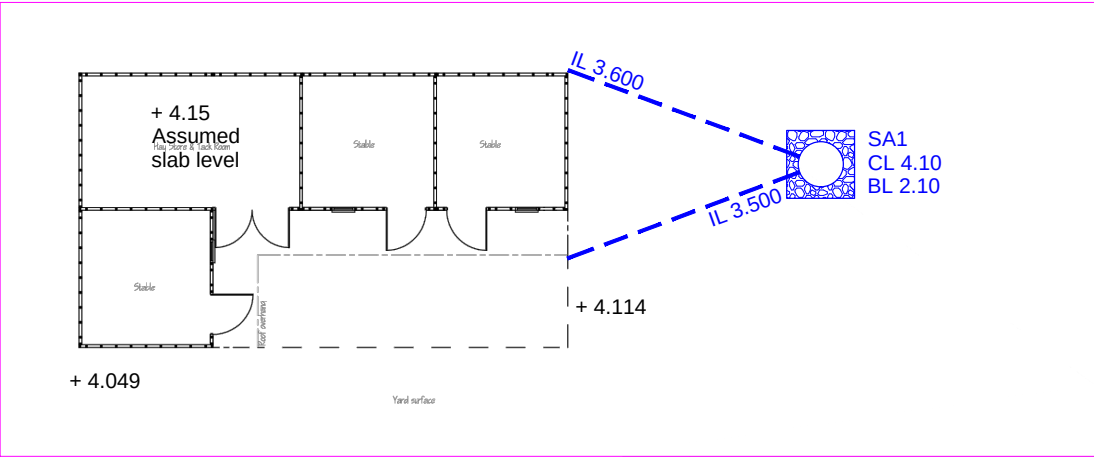
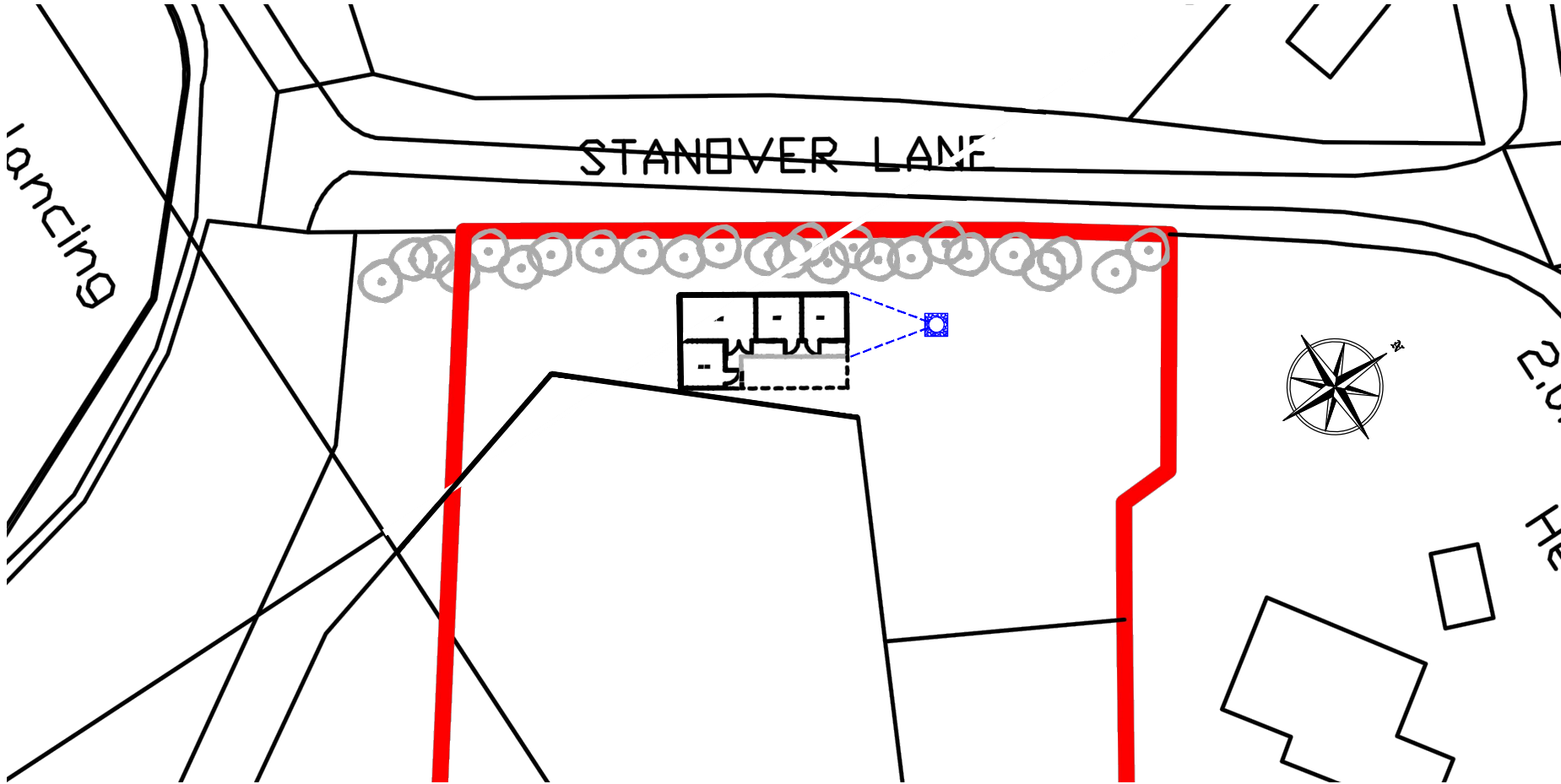




Location plan - scale 1:1250



Plan - scale 1:200



Block Plan - scale 1:500

KEY

- Proposed storm drainage 100mm dia at min 1:100
- Proposed concrete ring soakaway 1.2m diameter x 2m deep overall
- CL #.### Cover/ground level
- BL #.### Base level - top of concrete base
- IL #.### Invert level of pipes
- +4.109 Existing ground levels in metres AOD

NOTE

This drawing had been produced for discharge of planning conditions only. All levels and details to be checked for Building Regulations approval and construction purposes

Surface Water Drainage Design Notes

The geology here indicates Topsoil over River Terrace Deposits of silt, sand, clay and gravel over Upper Chalk. In practice, however, we found Made Ground of predominantly clay with brick rubble with some grit. Neither the River Terrace Deposits nor the Upper Chalk were encountered in test holes that extended to 2m below ground level.

Ground levels are over 2.3m higher than the adjacent road and groundwater was not encountered during the investigations in late February 2018.

The drainage design is based on percolation tests carried out to BRE 365 principles in late February 2018. An average soil infiltration rate of  $1.325 \times 10^{-5}$  m/s was obtained, to which a factor of safety of 1.5 has been applied.

A concrete ring soakaway has been designed 1.2m in diameter x 2.0m deep, which will be suitable to drain the new building of 73 sq.m without flooding on a 1 in 100 year rainfall event + 30% climate change addition.

| Rev. | Description | Drn. | Date    |
|------|-------------|------|---------|
| -    | Original    | RTFC | 27.2.18 |

|         |                                             |
|---------|---------------------------------------------|
| Project | Land at Brickfields<br>Hoe Lane<br>Flansham |
|---------|---------------------------------------------|

|               |                        |
|---------------|------------------------|
| Client        | Lee Oldcorn            |
| Drawing Title | Surface Water Drainage |

|                                                                                                                                                                       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
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|                                                                                                                                          |           |          |             |    |
|------------------------------------------------------------------------------------------------------------------------------------------|-----------|----------|-------------|----|
| © This drawing is the copyright of Robert Clark Associates Limited<br>It may not be copied or reproduced without their written authority | Scale     | As shown | At original | A3 |
| Drawing Number                                                                                                                           | 1785/D1.1 | Revision | -           |    |