Our ref. 1221/01F/KWh

For the attention of Mehmet Erguven
C/o
16 New Road
Spalding PE11 1DQ

1 August 2025

Dear Mehmet,

16 New Rd, Spalding PE11 1DQ

Foundation Investigation and Proposed Extension – Summary

Further to the recent appointment of White Structural Consulting Limited, we confirm the following:

1. **Trial Pit Investigation:**

   We have liaised with your builder to arrange and carry out a small trial pit investigation to determine the foundation details of the existing dwarf brick retaining wall located at the raised rear slab area. The investigation revealed that the wall is supported by a concrete strip foundation, founded approximately 300mm below the adjacent lower ground level.

2. **Ground Conditions:**

   The raised paved area consists of made ground extending to at least the level of the surrounding lower ground.

3. **Proposed Extension:**

   The proposal is to construct a single-storey, flat-roofed extension. The plan area of this extension will be entirely situated within the footprint of the existing raised paved area.

4. **Foundation Requirements:**

   The anticipated bearing pressure imposed by the new extension is relatively low and can be adequately supported by a standard concrete strip foundation.

White Structural Consulting Ltd. 35 Arran Road, Stamford, Lincs PE9 2XP
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5. **Allowable Bearing Pressure:**

   The allowable ground bearing pressure in this area is expected to be structurally adequate for the proposed works.

6. **Foundation Design Recommendations:**

   Based on the current findings, it is anticipated that the new foundation can be founded approximately 450mm below the top level of the raised paved area. At the current time there is **no requirement to extent the proposed foundations downwards into the undisturbed natural ground.**
   Should additional strength be required, the foundation can be reinforced with steel. Alternatively, if excavation reveals unsuitable ground conditions for a shallow strip foundation, a reinforced concrete raft foundation could be adopted, which would also not require excavation into undisturbed ground.

Should you have any further queries or require clarification, please do not hesitate to contact us.

Kind regards,



Kevin White MEng, CEng, MIStructE
Chartered Structural Engineer

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