R. C. Murray

Consulting Structural Engineer

Inspection

At

Barn Building

Further Old Gate

Holbeach

Spalding

17 Woodland Gardens
North Wootton
King's Lynn
PE30 3PX

Tel: 01553 631770

Inspection

At

Barn Structure

Further Old Gate

Holbeach

BRIEF :

At the request of Mr B Dawson the above property was visited in order to inspect the building. The purpose of this inspection is to determine the integrity of the building and its suitability for extending and improvement for future use and to advise on any further investigations or remedial works deemed necessary.

OBSERVATIONS :

The building consists of a barn structure that has been added to at various times during its life. The additional structures vary in construction and size around the original building.

The original barn is a small single storey structure of solid brickwork walls with a pitched roof over covered in sheet asbestos. This building is in good order with no sign of movement or disruption of any structural elements. The roof structure is adequate for the existing covering but will have to be assessed for any change in material finishes.

A small brick built mono-pitch roofed barn is built off the front right corner of this main barn. Once again this building shows no sign of disruption or movement and is structurally sound.

Attached to both these buildings is a further extension constructed in blockwork with a mono-pitch corrugated sheet roof over. The side wall of this building shows movement has taken place in the form of old cracking through the blockwork hat has been repaired and shows no sign of further movement.





A trial pit excavated between the barn and drainage ditch revealed a good bearing dark brown silty clay on the site that became slightly lighter with depth. The excavation was taken down to a depth of 3300 mm to ensure that the soil was suitable for carrying the additional loads from any upgrading works to be carried out to the barn.





This excavation revealed topsoil over a dark brown silty clay which became lighter in colour and more silty with depth. The soil throughout was of good bearing capacity and capable of carrying the loads from this building or any new structure to be constructed on the site.

CONCLUSIONS

This barn has been neglected over the years and is in a poor state of repair. It is an agricultural building and this is common with this type structure. Although neglected the barn is fit for purpose and is structurally sound.

We are satisfied that the building is structurally sound and capable of carrying the additional loads from upgrading works required to convert it to a habitable dwelling

Signed :..... **Dated** April 2021

R C Murray BSc(Eng) CEng MIStructE

CHARTERED STRUCTURAL ENGINEER

NB

This report is for the sole use of the instructing client and must not be issued to any third party without the prior consent of