

Jeremy Farrelly

From: Alun Blow [REDACTED]
Sent: 16 March 2021 14:39
To: Christina
Cc: Jeremy Farrelly
Subject: RE: Onslow Barn.

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Hi Christina/Jeremy,

In regards to the above project and with reference to your request on the outline of the proposed underpinning works for the existing barn columns, please find below our comments:

- Underpinning in itself is a lengthy and difficult process in normal circumstances, due to working in around existing sub-structure. However, the underpinning proposed for each and every column will be even more difficult due to the limited access, opening up works and temporary support that will be required to undertake such a process. How we would imagine these proposed underpinning works to be undertaken in our professional opinion is as follows:
 1. All existing structure ie: existing portal frames, are to be adequately supported using structural scaffolding in and outside the barn.
 2. All existing column bases exposed by excavating the ground around and beneath it internally and externally (ie: removing the soil externally and breaking out the concrete slab and its sub base/soil beneath it, and removing it).
 3. Breaking away and removing existing substandard pad foundation from beneath the columns.
 4. Cleaning existing strip footings and installing kemfixed dowel bars to faces.
 5. Undertake remediation works to bottom of existing columns ie: rectifying existing column base plates, sandblasting bottom of column ready to encase in concrete post underpinning, etc..
 6. Fix in place proposed holding down bolts/bars into column base plates.
 7. Pour pad foundation underpin beneath columns – Curing time following pour is min. 72 hours before any following works can be undertaken.
 8. Following curing time of pad underpins install non-shrink grout beneath column base plates and top of underpin.
 9. Ensure column bases are bolted down to correct torque strength.
 10. Ensure columns are sandblasted clean and encase bottom of columns in concrete.
 11. Remove temporary support structure.
 12. Reinstate excavated material internally and externally and ground bearing slab internally, and make good where necessary.

As the process above is very intricate we would believe that the works would take an approximately 2.5-3 weeks for each column. As there are 10 columns to underpin we would estimate the entire underpinning works to be approximately 6-7 months. Please note this timescale may vary depending on weather and availability of materials due to lockdown measures currently.

We trust that the above is ok, however should you have any comments or queries please do not hesitate to contact us.

PS: Please take note of our new email address, please be sure to send all future correspondence to this email address. Many thanks.

Kind Regards

Alun Blow
ABMH Structures Limited

45 Westmorland Drive, Felpham, Bognor Regis, West Sussex PO22 8NA



From: [REDACTED]

Sent: 16 March 2021 11:35

To: [REDACTED]

Cc: [REDACTED]

Subject: Onslow Barn.

Hi Alun,

I was just wondering if you had managed to send the couple of paragraphs Jeremy requested, which would assist him in making an application for an extension on the time frame for the landscaping at Onslow.

Regards

Christina