

**Condition Discharge Booklet**

**3-4 Main Street, Shalstone, MK18 5LX**

**Listed Building Reference: 20/01462**

**Information submitted in support of Condition numbers:**

- **Condition 4 – Lime Mortar**

Date: 12<sup>th</sup> July 2021

## Condition 4

4 Prior to the laying of the replacement lime mortar hereby permitted, the mix shall be specified and the colour matched to the existing and the details shall be approved on site by the Council's Heritage Officer. These details shall be approved in writing by the Local Planning Authority. The development shall be carried out using the approved details and retained thereafter.

### Response:

As discussed with the heritage officer on site, samples of mortar have been undertaken including the creation of mortar 'biscuits' plus small sample areas within the stone itself.

The samples completed are as noted below:



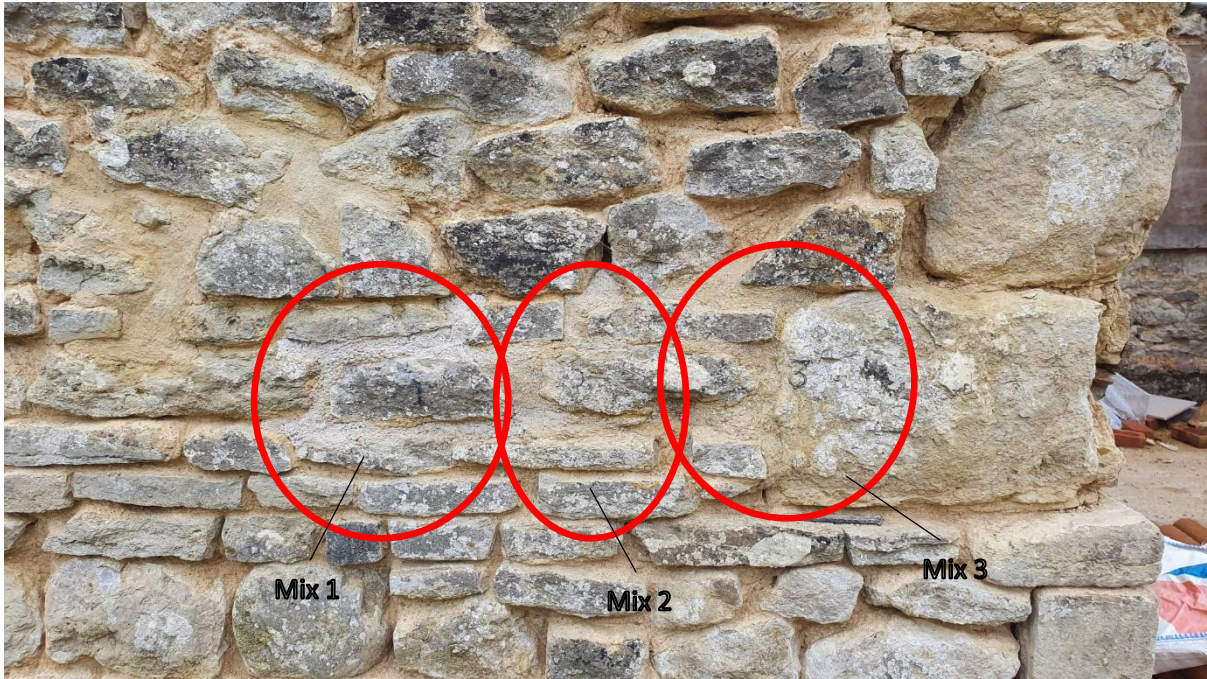
**Mix 1** – 1 part lime, 4 parts Duns Tew sharp sand

**Mix 2** – 1 part lime, 3 parts Duns Tew sharp sand, 1 parts builder's sand

**Mix 3** – 1 part lime, 2 parts Duns Tew sharp sand, 2 parts builder's sand

All lime is NHL 3.5.

These mixes were applied to small areas to the existing stone walls as the image below.



From the above, and once the mortar had dried out and become much lighter, the best match is considered to be mix 3 – the darkest of the mixes. This has the best colour match to the existing mortar, as evidenced in the below close up photo. Mix 3 is therefore issued for approval.



**Existing mortar colour when facing mortar is raked out.**



**Mix 3 colour**

The mix has been brushed with a churn brush to bring some of the sharps to the surface and to avoid a smooth finish.