

Gnoll Gatehouse Outline Method Statement

Method Statement for the works associated with the Gnoll Gatehouse. This will be further developed by the successful Contractor and submitted to CADW prior to the commencement of works on site:-

1. The Gates are to be removed and inspected by an appropriately qualified fabricator. Any defects will be recorded and remedial measures incorporated into the final method statement for approval.
2. The constricting hoop will be inspected and repaired if required before being fixed to the back of the newly opened gate to be on secure and on display for users to admire as it will not be required to secure the gates. The hoop could either be welded to the gate or it could be secured via a chain which would be less intrusive.
3. Any paint defects will be stripped back to a clean bright surface and treated with an appropriate primer recommended by the topcoat manufacturer. Special care will be taken, as the existing paint system is likely to contain Lead.
4. The gates will then be painted with Rust Oleum Combicolour Metal Paint, with the colour to match the existing.
5. The hinge pin and shaft will be removed from the masonry wall and the hole will be drilled through the masonry wall. The qualified fabricator will modify the existing hinge & shaft so it is long enough to pass through the newly drilled hole. It will be secured using a pattress plate. The size of the pattress plate is to be agreed with CADW depending on its location to ensure sufficient overlap of mortar joints. The pattress plate and modified shaft & pin will be galvanised and painted to match the existing finish of the gates. The dust from the drill holes will be recovered and saved for use in new mortar mix.
6. Following the removal of the gate the cracks in the existing masonry will be inspected by a suitably qualified Heritage Masonry company and where necessary a recess will be cut across the crack and a CemTie will be fitted as per the manufacturers specification. The final top up for the recess will be completed with a lime based mortar and existing dust to match existing in colour.
7. The existing mortar joints will be tested for loose/failed pointing material using a small tapping hammer. Any loose /failed mortar will be removed and the joint cleaned. Repointing will be carried out by a suitably qualified Heritage Masonry company using a lime based mortar and recovered drill hole dust to match existing in colour. A sample of the mortar mix will be shared with CADW on request. See attached Guide on Preparation and use of Lime Mortars.
8. The steel work fabricator is to design a new lockable gate stops, which will support the weight of the gates when locked in their final position. This will reduce the stresses on the new hinges. The new gate stops will be approved by the contract administrator with consultation with CADW.

9. The gate stops will be painted to match the gates and installed prior to the gates being rehung.
10. All completed work to be inspected and approved to the satisfaction of CADW.