

Masonry conservation & repair, ANTI-SLAVERY ARCH, PAGANHILL, Gloucestershire

Information to assist the contractor in compiling a pre-construction health & safety file

Design of the works

The client has conveyed information to the designer which has been incorporated within the design of the Works. The works involve the repair of an existing statutory-listed historic structure which imposes physical and legal limitations on the improvement of the physical environment for construction safety and future maintenance

Within these limitations the design and contract information has sought to allow the contractor sufficient freedom to safely access the site and to design safe working site environment and safe access scaffold. It seeks to allow the contractor to plan and manage the works in a safe manner by minimising restrictions of start/completion dates or by phasing works and allowing the contractor the choice of appropriate sub-contractors

Improvements in the design of the works seek to maximise the longevity of the construction; use of natural, non-harmful materials (naturally resistant wood in lieu of preservative-treated timbers etc)

Section one of the specification identifies others involved in the project (1.1), site & work particulars (1.2) & tendering & contract requirements (1.3)

Section one also identifies how the contractor is expected to manage the works (1.4), quality standards & control (1.5) and site security/safety/welfare/protection

Section one identifies site services and expected temporary works (1.6) and matters that might affect the progress of the works (1.8)

Risk identifier

Generic risks	Observations
Asbestos	Unlikely
Silica	Cutting or drilling stones will produce dust likely to contain silica
Diesel engine exhaust	Site vehicles in confined areas, petrol stone cutters
Lead	leaded-in and capping of ferrous cramps etc, including oxides transferred to adjacent materials, ie ferrous metal
Construction dust	Dismantling of existing structure, clearing of site debris, drilling and cutting of site materials
Noise	Drilling and cutting using power tools
Vibration	Drilling and cutting out of stone
Manual handling	Lifting of sections of stone, existing (cope stone) and new (replacement sections)
Repetative work	Drilling and dressing of stone, securing fixings
Trips/falls	Use of scaffold, access across graveyard (uneven ground, soft ground, hidden obstacles), working at height; Trip hazards around the work area
Fire	Combustible/flammable materials present
Poorly supportive structures	Potential for structures to have insufficient strength to support operatives or temporary access/works
Access restrictions to/from work area	The work site is on a public pavement and adjacent to a public road. The structure abuts a private residence
Access restrictions within the work area	The work site is a confined space with limited working area.
Dangers to members of the public	The site is close to a school and pupils and parents frequent the public pavement
Unstable/sprung/sharp materials	Existing materials (stone) are of some age and may have degraded in strength, integrity and surface cohesion
Small fragments piercing skin	Ferrous fixing
Unstable structures	The structure is of a nature that mean it is less robust that might be anticipated
Overhead dangers	Power and telephone cables
Animal faeces	Birds and rodents may be likely to have used the exterior surfaces of the structure leaving faecal deposits on building fabric
Adverse weather	All works are external and exposed to the elements, particularly high winds
Materials difficult to handle	large sections of stone