

Method Statement – Surface Specific Detail

1.0 Introduction

- 1.1** This statement has been prepared to accompany an application for planning permission and listed building consent for the erection of outdoor safety fencing at Alton Towers Resort in the Bridge/Dam area, the White Bridge area, the Upper Gardens and the Lower Gardens. Reference should be made to the schedule of works included in Appendix 1 of the Heritage Impact Assessment, which provides fence specific details.
- 1.2** Location of Works: Alton Towers Resort, Alton, Stoke on Trent, Staffordshire, ST10 4DB
- 1.3** All operatives will obtain all relevant permits prior to commencement of work. Risk assessments are to be carried out prior to any work with consideration to include working at height, security, safety controls and environmental issues and safe working methods applied where required. Manufacturer's instructions and COSHH requirements are to be adhered to for all materials. All areas to be left clean and tidy and permits signed off.
- 1.4** Mortars – mix guides – The Building Regulations 2000 (Materials and Workmanship Approved Document to support Regulation 7) and British Standards both set out appropriate Codes of Practice for mortars and renders: BS 8000-10:1995 Workmanship on building sites.

2.0 Installation of fencing

2.1 Installation into soil/grass

- 200mm x 200mm hole to be excavated to a depth of 450mm with smooth and square sides
- Holes to be backfilled within 75-100mm of finished level with dry mix concrete well packed
- Upon completion of the fencing installation, hole to be backfilled with soil well packed to finish level to match with surrounding areas.

2.2 Installation into stonework

- All stone to be checked to ascertain its security and stability prior to any fixings.
- Where practical all fixings will be made into joints and not directly into the stonework, but this will be dependent on the spacing of posts at 1500mm.
- Stone to be drilled using specialist equipment which should be a wet system such as Hilti DD100 handheld core drilling system with a diamond tipped core drill

- 45mm. Drill to a depth and diameter required approximately 45mm x 400mm but dependent on location/product being installed.
- Fence panel/post to be inserted into the hole 40mm x 10mm flat mild steel posts approximately 1500mm.
 - The hole then filled using chemical resin fix to 25-50mm below top of hole. The type of Resin should be the Fischer FIS VS 150C- Art Number 45302 used with a standard mastic gun and for any larger diameters and large quantities the Fischer FIS V 360 S is an alternative. Prior to installation the manufacturer's instructions to be followed and COSHH assessments to be checked and complied with.
 - The top of hole is to be then filled with lime mortar mix to match existing
 - Dampen the joints with water spray so that the masonry does not absorb too much moisture from the mortar. This will prevent the lime mortar drying too quickly and maintain the desired strength
 - Care to be taken to prevent the lime from smearing and staining the masonry surfaces
 - All cavities to be filled so that no pockets of air remain in the joints to help prevent failure of mortar to surface.
 - Where stonework is shaped i.e. coping, mortar is to be smoothed to shape

2.3 Removal of existing fencing

- All stone to be checked to ascertain its security and stability prior to removal of any fixings
- When removing existing fencing care is to be taken not to damage the stone.
- Cut existing railing with abrasive chop saw disk cutting down flush with stonework
- Grind the railing stub removing sharp/exposed edge taking care not to damage the stonework.
- Touch up exposed steel with rust inhibiting primer/dark grey paint to prevent corrosion and discolouring.
- Dispose of waste off site in full accordance with waste management policy

2.4 Upgrading of existing Type 2 fences

- Using a specialist on site fabricator
- Install additional horizontal rails as required
- Rails to replicate existing design as closely as possible
- Clean up existing railing/handrail and prepare for painting
- Prime and paint both new and existing steelwork to match new fencing system

Method Statement Briefing Sheet

This document is to be signed by all persons carrying out the work as described within the Method Statement.

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