

The existing ramp is to be fully removed. The formation is to be proof rolled, any soft spots are to be removed and replaced with approved granular material – i.e. 6F2 material. Then install a minimum 100mm thick layer of Type 1 stone, with fines topping/sand blinding. The concrete steps are to have a minimum 125 thick waist, reinforced with 1 layer A193 mesh. The mesh reinforcement is to be placed within the bottom of the stairs with minimum 50mm cover. All concrete work to be in accordance with BS EN 1992-1-1, BS 8500 with a designation mix of PAV1. Provide a brush finish to the top of the concrete or as required by paving manufacturer.

- The existing wall can remain in place, provided that:
 - the wall is in good condition and shows no signs of movement
 - the minimum wall thickness is 440mm
 - the maximum retaining height is 1.2m
 - the supporting base is minimum 250mm thick, bearing directly onto natural ground (ie limestone) at minimum 500mm below ground level and protrudes minimum 150mm out from the wall

Where concrete is encountered at shallow depths, as found during the Archaeological Field Elevation (in April 2007), the sand bedding can be constructed directly off the concrete slab on the assumption that the slab is minimum 280mm thick and laid directly onto limestone.

Where concrete is encountered at shallow depths below the proposed location of the bar table or benches, depending on the extents and condition of the concrete slab, the furniture may be fixed directly to the existing slab as it as noted to be between 280-390mm thick.

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Eastwood
CONSULTING ENGINEERS

Job Ref: **48545** - Sheet No: **SK001** - Date: **20/10/2023** - By: **JVGJ**

Project: **Bolsover Town Hall Square** **REV B**
22/11/2023

Subject: **HARD LANDSCAPING STRUCTURAL DETAILS**