



Client: Foreign Office
Sector: Public realm

Challenge

The design of an amphitheatre like structure, with concentric circles reducing in height radially from a central high point to the ground level. Creating an elegant formation that blends into the landscape.

Solution

- Several remodelling efforts to overcome the front face of the block leaning into the hill as the blocks graduated up the ascent
- Complex mathematics used to place each unit precisely to soften the shape and create the graceful design that was ultimately installed
- Each individual piece had to be designed to drop at differing rates but give a flat base for ease of installation at foundation level, meaning every piece on the structure is unique
- The production of an easily understood foundation design to assist the contractor's installation of each stone

Outcome

- The radius design meant that each of the 200 granite seating blocks were unique and had to be sized specifically to form the flowing arch
- The 70 different sizes of paving had to be individually designed to create the desired ripple effect
- Project support and engagement from design stage through to construction and completion



Design & Engineering – **Case study**

Sousse and Bardot Memorial, Cannon Hill Park, Edgbaston, Birmingham