

**From:** SHEWARD Timothy  
**Date:** 16 December 2019 at 18:16:58 GMT  
**To:** John Priday Construction Ltd  
**Subject:** RE: MIPA Paint

Hi John,

We have read condition 9 regarding the piling at Havant and note their concern regarding the driving of the piles through the whole thickness of the London Clay into the underlying Chalk aquifer. We attach a copy of the boreholes sunk by Soiltechnics on the site and our static pile design.

The heaviest loaded piles on this project have a load up 325kN which our static pile design indicates will be achieved by a 250mm precast concrete driven pile at a depth of 13m. We confirm that piles will not be driven to lengths which exceed the length indicated by the static pile design – that is 13m. Soiltechnics have confirmed by the installing of 3 boreholes on this site that the chalk is at least 20.5m below the existing ground level which is at least 7.5m below the toe of the driven pile. There is therefore no risk that the Chalk aquifer can be contaminated by the proposed driven piles for this project.

We trust that you find the above of assistance, should you have further questions please don't hesitate to contact us.

Kind regards,

Tim

For and on behalf of **Roger Bullivant Limited**

**Tim Sheward BSc CEng MIMMM MIQ**  
**Technical Manager**