

# ANCHOR POSTS

## Project Report



## Lime Tree Primary School - Anchor Post Foundation, Signage

Client: Royal Borough of Kingston upon Thames  
Contractor: Room Facilities Management Limited  
Designer: Eddie Green – Graphic Design  
Supply: 4No. Anchor Posts & Interface Plates  
Date: September 2012

### Requirement

Anchor Systems (Europe) Ltd (ASEL) were asked to provide an innovative solution for a foundation that would be used to support the main school name signs. The paving had already been placed in all three of the locations where the signs were required to be installed. Therefore any solution was required to create minimum disruption to the newly laid walkway bricks and blocks.



The sign positions were also placed on areas where there was a fall and there was a possibility that the signs may be temporary while defining the current access to the school during the final construction phase. Once the construction was finished then the main access to the school may be identified via another route. Hence the sign was required to be capable of being re-sited with minimum disruption to the local.

### Solution

The geotechnical situation at the position of the sign was unknown and boreholes had not been taken locally. Therefore it was agreed that ASEL would provide a site test to be carried out prior to installation to review the soil condition. The test Anchor Post was driven as required and a horizontal pull test was completed on the Anchor Post once fully driven to review the capacity. The loads recorded on the Site Test Report were well within capacity and capability of the Anchor Post based on interaction with the surrounding soil.

After the initial setup of the plant and equipment the Anchor Posts drove within 55 seconds or each anchor. The interface plates that sit on top of the anchor posts were quickly positioned and the 3No. M12 fixings installed for each interface plate. The sign was lined and levelled against the interface plates. The fixings from the signage to the interface plate were installed very quickly after levelling.



The whole operation of Anchor Post installation to final sign fixing was timed at 30 minutes. Further time was required to remove spoil from the areas of installation of the Anchor Posts. One of the signs was placed on a concrete/stone footing which allowed the use of Anchor Bolts to fix the posts to the concrete.

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