

## Isaac Newton Academy, Ilford



### Project Facts

Sector: Education

Our Role: Sub Contractor

Location: Ilford, Essex

Client: Skanska

Project Value: £3.325m

Duration: 18 months

### Overview:

This £3.5 million project for Skanska was a high specification finish project which included specialist playground surfacing, granite finished paving and kerbs, high standard brush finish concrete and tarmac works.

### Scope of Works:

The external works were undertaken in a tightly restricted environment requiring us to maintain access to the on-site car park, allow through traffic to the adjacent athletics track and included works within an internal atrium area whilst maintaining access for other trades.

Existing contamination levels required the provision of a minimum 600mm of clean cover to finished ground level. This was achieved through careful material management and extensive testing to remediate existing material and minimise material import. The Natta package included all surface and foul drainage including attenuation tanks, permeable parking, and a rain water harvesting system. Also included were the piling mat, piling attendance, RC pile caps, RC ground floor slab, and structural topping to the pre-cast concrete beam flooring system to the structure. The existing contaminated ground beneath the 'clean zone' demanded a variety of gas ventilation systems for the car park and the school structure. The finishing works included a variety of block paving in challenging patterns, coloured tarmac, and in-situ RC stairs and retaining walls. All finishing works were completed with seamless coordination with Skanska to enable the various other trade contractors to complete their works and successfully deliver the project on programme.

### PROJECT ACHIEVEMENTS

*"I'm very proud of the final product. We saved our clients lots of money by value engineering the drainage design and constructed a sustainable urban draining system which included large attenuation and harvesting tanks and open swale drainage, as well as taking cognisance of contaminated ground conditions."*

*Nick Wyatt* Project Manager **Natta**