

UEL Primary School



SECTOR:

Civil Engineering,
Groundworks

OUR ROLE:

Sub Contractor

LOCATION:

Dagenham, Essex

CLIENT:

Neilcott Construction Ltd

PROJECT VALUE:

£1m

DURATION:

28 weeks

OVERVIEW:

Natta were contracted to undertake all groundworks on this new build primary school building in Dagenham. This comprised of two site visits, with the initial visit in particular being undertaken against an extremely tight program which Natta met.

SCOPE OF WORKS:

Natta successfully completed the drainage, foundations and floor slabs to the new school building and all external finishing works to the large permeable car parks and play areas.

Works included the installation of a piling mat of 3700m² to enable the installation of vibro piling support to the building substructure. Bulk muck shift and excavations comprising 3100m³ of excavation, 1100m³ of fill and 2050m³ of muck away off of site were also undertaken. The scheme also included the construction of a raft foundation for the new school building which comprised 600m³ of concrete and 2500m² of slab constructed.

All internal and external drainage, of which, foul water was 600m and stormwater 980m were completed. This included the construction of a 385m² cellular stormwater attenuation tank.

The external finishing works were to a high specification and included all formation works and finishings to the following: 4600m² of permeable tarmac car parks, tarmac play areas and block paved footpaths, 1600m² of slabs laid along with 250m² of resin bound play areas. The main teachers car park comprising 720m² was constructed using permeable gravel construction.

See next page for more





SUMMARY:

Natta worked with Neilcott to effect value engineering savings of 20% off the tendered sum. These included a redesign of the Storm drainage attenuation, recycled in lieu of naturally mined aggregates and landscaping to retain arisings on site.

As on all Natta projects, recycled glass was used in lieu of sharp sand under all slabbing and block paving. Muck away was reduced by engineering and landscaping a series of earth bunds. The value engineering also delivered extra BREEAM points. The contract programme required the delivery of the complete school in seven months. This was achieved early which was a testament to all involved.

“Very fast construction, a high standard of finishing - looks great.”

Andy Fowler

OPERATIONS DIRECTOR, NATTA

