

EDUCATION**CONTRACT:** Loxford School, Ilford**CONTRACT PERIOD:** 25 Weeks**CLIENT:** Willmott Dixon
Anchor Boulevard,
Crossways Business Park,
Dartford
Kent DA2 6SL**VALUE:** £2.8 million**CONTRACT DESCRIPTION:**

The Phase 1 Contract comprises the completion of Substructure works including excavation, foundations, drainage, services and Ground Floor Slab to a new School building. The original piled foundation design was abandoned due to the presence over the majority of the 5000m² footprint of an existing concrete filter bed at a depth of approx 1.50m below existing ground level. Mann worked closely with the client and design team during the redesign to develop the current scheme of reduced level dig to filter bed level, dig to and mass fill from gravel beds and construction of Reinforced Concrete Pads above. Spoil removal is also minimised by re-engineering of the excavated materials for use as backfill to the footprint area of the building, being transported spread, levelled and compacted to strict specifications to facilitate the ground bearing capacity of the Ground Floor Slab. Works were further complicated by the discovery of asbestos materials which needed to be isolated and removed from site this was all incorporated within the re-engineering of the existing materials on site. The risk of discovery of further contamination is being managed through strict controls and measures including air monitoring to ensure safety both on and around the site.

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