

## Consultants

### Building Schools for the Future (BSF Schemes)

#### Full Utility Location and Mapping

##### Client

Knowsley Metropolitan Borough Council



##### 40SEVEN Services

The Government's £45bn Building Schools for the Future (BSF) is the biggest ever school buildings investment programme with the aim being to rebuild or renew nearly every secondary school in England. The first wave of these projects involved Knowsley Metropolitan Borough Council and their £150m+ programme is seeing the creation of seven new learning centres, which will replace the ten existing secondary schools across the region.

Having previously worked for Balfour Beatty on major PFI projects in the Health Sector and, having delivered essential data for many other BSF projects, 40SEVEN are delighted to have been appointed their supply chain partner for specialist surveying services to the Knowsley BSF PPP Project.

The Project required several specialist teams to work consecutively at multiple locations, conducting underground utility location and mapping surveys. The majority of the surveying was fulfilled during the school's holiday period in order to meet our client's required delivery schedule. Both electromagnetic and Ground Penetrating Radar (GPR) technologies were used effectively in order to locate and map both metallic and non-metallic services below ground. With the latest equipment, combined with well-trained and experienced surveyors, we were able to deliver comprehensive plans showing both the routes and depths of the services found at each of the specified survey sites.

Our assigned Project Manager supported the site surveys and subsequent delivery review meetings. His role was to ensure the project specifications were met and the deliverables had been through the appropriate control and quality assurance, prior to transmission. This is a fundamental element to all of our surveys that ensures the data presented is correct, timely and can be relied upon.

Working with leading construction companies and consultants throughout the UK, 40SEVEN are often employed at the early stages of major development schemes to provide critical land, building and buried services survey results that can be relied on throughout the whole life-cycle of the scheme, often contributing to the supply of as-built plans that support asset management following the construction stage.

Our contribution to these schemes, such as Knowsley BSF, usually falls into three key areas with the first being the Design Stage: Topographical Surveys giving the detailed measurement of the land features on and around the development to allow detailed design pre-construction and Measured Building Surveys being the precise recording of existing building dimensions, particularly required when buildings are being extended or modified.

Further requirements pre-financial close, such as Underground Utility Location and Mapping Surveys are required to facilitate final and detailed design, M & E design and ensure that any services that are to be retained during the project are identified. This also allows for any required diversions to be understood and costs recognised, thus avoiding additional expense and delays during the construction phase.

Pre- and post construction may need CCTV drainage condition surveys that present the client with exact condition reports of the Foul and Surface Drainage Network before and after construction to help identify any issues with the sewer pipes and, therefore, avoid any costly or unnecessary replacement of pipes.

Further in-house services from 40SEVEN that have carried out both BSF and other education projects include CCTV drainage condition surveys, void and sub-surface structure location. Concrete imaging surveys and gas network leakage detection services. Often these services are employed together due to our expertise in each field and the ability to combine all the data into one delivery, although each can be provided on its own.

**If you are interested in finding out more about how we can help with your project, please contact us on t: 08450 179 300 or alternatively email: [info@40seven.com](mailto:info@40seven.com)**

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