



## Project Fact Sheet

### St. Peter's National School



#### PROJECT

<b>Project</b>	St. Peter's National School, Phibsboro, Dublin 7
<b>Value</b>	€8m
<b>Client</b>	Department of Education and Science
<b>Stage</b>	Complete
<b>Completion Date</b>	March 2008
<b>Description</b>	Refurbishment of the existing school (a designated protected structure) and construction of a new 3-storey extension.

#### FACTFILE

This 16-classroom redevelopment of St. Peter's National School in Phibsboro involved the demolition, refurbishment and construction of a new part three/ part two-storey classroom block with a general purpose hall, changing areas and other ancillary rooms on the existing grounds. ABM undertook this project which also involved enabling works and all associated siteworks on a very restricted site which was situated directly adjacent to residential properties, a football stadium and extremely narrow and busy Dublin City Centre roads.

#### PROJECT DETAILS

Located on a restricted site in a densely populated part of Dublin City, this project involved a number of challenging and unique elements which ABM successfully overcame.

##### **Working on a "Live" School Site**

Prior to the commencement of any works, a temporary school structure was required to be constructed nearby to accommodate 350+ students while construction work was being carried out.

##### **Demolition Works**

Parts of the existing protected structure, originally built in 1882, had to be demolished. Demolition works also included breaking out opes in existing stone walls and the removal of an existing stairwell which was replaced with two new stairwells, installed to provide vertical circulation to the building and required to conform with current building regulations. A portion of the site boundary wall, which had been constructed originally of stone, was also demolished and a new



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*Image 2 - View of corridor between existing and new extension*



*Image 3 - View of corridor between existing and new extension*

reinforced wall structure constructed in its place to support a new classroom building. The adjacent stone walls were pinned down and reinforced during this part of the works.

### **Conservation Work**

As part of the conservation plan for the existing structure, lime mortar was used. New bricks and blocks to match the existing were sourced and lime plaster was used for all internal and external plasterwork.

### **Temporary Removal of Materials for Restoration**

Another challenge which had to be addressed was the refurbishment of the existing protected structure. In addition to the breaking out of opes to receive the new extension, restoration works were required on all elements of the structure. Existing windows, roof tiles and roof trusses were temporarily removed off-site for repair and restoration. Existing stonework on-site was cleaned and rejointed. All existing elements that were temporarily removed for restoration were fully reinstated with no damaged caused the existing components as a result of ABM's meticulous planning prior to commencement of the project.



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### Removal of Contaminated Waste

Another element of the demolition works involved an environmental cleanup of the site. This involved the removal of asbestos and hydrocarbon off-site for de-contamination treatment. In the initial planning stages of the project, ABM addressed this as part of the waste management plan which was specifically devised for this project.

### Working with Existing 'Live' Services

This site was heavily populated with existing services, some which were maintained and others which were removed or relocated to allow for the construction of the new classrooms. Occasionally, tying into existing services was required, particularly where the new extension met the original school building. Connection to the Dublin City Council public mains was also required where ABM were required to obtain road opening licenses for two separate openings.

ABM completed this project successfully and maintained their excellent health & safety record throughout.



Image 4 – General Purpose Area



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