



MUCKROSS PARK COLLEGE

Construction of replacement 5500sq m school building

Client: Department of Education and Science

SUMMARY:

Value: €9.2 million

Architect: McHugh O’Cofaigh

Status: Complete

Services Provided:

Preliminary Design

Detailed Design

Construction Supervision

The project consists of the design of a new school to accommodate 600 pupils. The proposed building is a three storey steel frame located in the grounds of the existing school.

The building is 5500sq m in floor area and includes a sports hall with a full sized basketball court. Development of the site requires new connections to sewers and watermains, a new access road and the provision of measures for surface water attenuation. This is provided using buried ‘stormcell’ units to accommodate up to 5 year storms with a grassed swale to accommodate longer return period storms.

The structure of the building is a three storey steel framed building. The structural system used is a Slimfloor system using asymmetrical beams on first and second floor with steel trough deck. No additional fire protection of the floor beams is required. The external walls are a skin of block up to second floor with steel cladding above. This facilitates a fast track construction method with no requirement for a tower crane.



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