

## Victoria Square Development Belfast, N Ireland

Detailed design for the contractor within a £250m Design & Build commercial development.

A 20,000m<sup>2</sup> basement design on three levels within very poor ground conditions. The suspended slabs were of post-tensioned concrete flat slab construction, using bonded cables, to minimise the amount of overall excavation and reduce material content. The slabs also provide support to the permanent sheet pile walls around the basement perimeter, requiring a careful study of slab movements.

The commission also included the design of the base slab piling, columns and stair shafts, as well as supports for temporary crane locations and access ramps.

Owner	:	AM Development
Client	:	Farrans Construction
Value	:	£20m
Completion	:	2006
Architect	:	BDP / T+T Design

