

FOYLE COLLEGE AND EBRINGTON PRIMARY SCHOOL AND NURSEY

DERRY / LONDONDERRY, NORTH WESTERN NORTHERN IRELAND, UNITED KINGDOM

Mass Gravity Retaining Walls

Problem

Former Clooney Army Base in Derry / Londonderry, Northern Ireland was to become a new education campus for Foyle College and Ebrington Primary School and Nursey School. Heron Brothers were the successful contractor and appointed Maccaferri to design and supply the retaining walls required on-site.

A total of 6nr retaining walls were required across the 38-acre site. The £27m project on the site of the former Clooney Army base would allow for the amalgamation of Foyle College and Ebrington Primary School and Nursey on one site.

The retaining walls were needed to overcome differences in site levels of up to 5m and at a maximum would reach a length of up to 195m. The retaining walls would provide the necessary retention to allow for the construction of sports pitches, playing fields and walkways.

Solution

Maccaferri proposed the use of the MacWall Vertica 4° Segmental Block Retaining Wall System. The 4° batter of this system creates an almost vertical front face and allows for space at both the toe and top of the wall to be maximised. The 4° blocks also have an "Anticlimb" characteristic and therefore were ideal for use within this education campus.

Client: Foyle College & Western Board Education Authority

Designer / Consultant: Maccaferri

Contractor: Heron Brothers

Products used (Qty.)

Date of construction: 09/2015 - 12/2017

[Google Maps](#)

[Google Earth](#)



Construction of walls begin on site



MacWall Vertica supporting sports pitches



MacWall Vertica forming walkway