In addition to our wide range of existing products we now produce a range of standard retaining wall units. These L Wall Units are precast concrete panels of varying heights positioned to form a load-bearing wall. They can be loaded in both directions and are designed to give a cost effective solution to many types of applications.

**General Specifications**
- The panels are tongued and grooved so that they interlock and provide load transmission across joints in the wall. This allows a group of panels to act as a single unit. They can be used in severe exposure conditions as defined in BS 8110 Pt1 and severe exposure conditions as defined in BS 5400 Pt4. They have a maximum loading from a level fill with a density of 19kN/m^3^ and 10kN/m^3^ live load surcharge or sloped up at max. 30° to an equivalent height to the wall.
- A qualified engineer should check the foundation and wall.

**Design**
- A concrete design mix using compatible aggregates and cement to provide strength in excess of 50N/mm^2^.

**Fabrication**
- The concrete elements are prefabricated in our factory in Raharney, Mullingar, Co. Westmeath. The panels are cast in purpose made steel moulds under our strict quality control regime – ISO 9001 2000 Quality Management System. All structural concrete is designed to BS8110 1997.

**Materials:**
- Concrete design mix using compatible aggregates and cement to provide strength in excess of 50N/mm^2^.
- Rebar is cut and bent to appropriate quantity in accordance with BS 4449 1988.

**Installation**
- These walls are simple to install. One machine can do all the work: excavation, erection, fill and backfill. A qualified engineer should check the foundation and wall stability.
- In some situations a Sikaflex sealant is applied to create an effective watertight joint.

**Sizes**
- Panel Thickness: 140 - 200mm
- Panel Widths: 1500mm
- Panel Heights: 2.00m, 2.50m and 3.00m

**Special requirements can be catered for.**

**Long Term Stability & Safety:**
- The quality of prefabricated concrete retaining wall panels can withstand weathering conditions and assures safety of the structure for long term use.