Dunstall Hill Trading Estate,
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CASE HISTORY:- A425, LOWER SHUCKBURGH

CLIENT	WARWICKSHIRE COUNTY COUNCIL
CONTRACTOR	WARCO
CONSTRUCTION	OCTOBER 2002
GABION WALL DESIGN	HY-TEN GABION SOLUTIONS

Following a slip failure on the A425 just west of Daventry, Warwickshire County Council designed a mass gravity gabion retaining wall to support the roadway based on traditional 1m deep gabion units. The contractor approached Hy-Ten with a view to constructing a gabion faced reinforced soil wall having a base width of 3m for a wall height of 2.1m.

Having assessed the problem Hy-Ten offered a design based on the 700 system as a gravity structure using a Green PVC mesh 76.2mm x 76.2mm in 2.7mm wire for the body of the gabion and the front and rear faces in a heavier Green PVC mesh 76.2mm x 76.2mm in 3.0mm wire.

The 700 system was chosen to improve quality, ease and speed of installation. With units only 700mm in height and face compartment lengths of 700mm, reduced deformation and improved alignment of the gabions was readily achievable.

HY-TEN
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HY-TEN GABION 700 SYSTEM

Units are manufactured in 700mm deep modules in lengths of 2.05m subdivided to give 3 compartments nominally 700mm wide.

The units are supplied with a heavier mesh on the front and rear faces to improve construction.

GREEN PVC UNITS:-	3.0mm wire core mesh to face and rear panels
	2.7mm wire core mesh to body of the unit
TRIPLE LIFE PROTECTION	4.0mm wire mesh to face and rear panels
	3.0mm wire mesh to body of the unit

The units are manufactured with an extended base width (tail) of nominal dimension of 300mm, this base panel forms the lid of the unit below, generally in design each course will increase by the tail width to produce the typical stepped gabion wall section.

The units can be orientated to give a flush faced wall of a stepped face wall with a nominal 300mm step on each course.

If you would like Hy-Ten to design and supply gabions and land reinforcement products for you, please contact us on 01902 712200.