HY-TEN
GABION SOLUTIONS

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# CASE HISTORY :- TINKER LANE, MELTHAM

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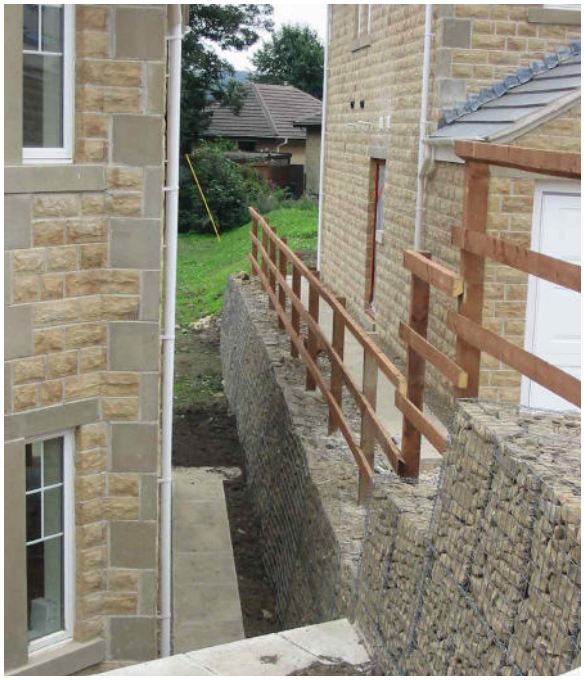
| ENGINEER | JOHN NEWTON AND PARTNERS |
| CONTRACTOR | CARAS CONSTRUCTION |
| CONSTRUCTION | 2003 |
| GABION WALL DESIGN | HY-TEN GABION SOLUTIONS |

The new housing development at Tinker Lane was built on a steep hillside. As a result a large gabion retaining wall was required at the rear of the site together with numerous walls between adjacent properties to cater for the difference in foundation levels of the houses. The photograph above shows a space left for access steps to be constructed.



Normally gabions are not considered for supporting foundations of properties as they are considered a flexible structure. However, Hy-Ten's solution was to use gabions which had a 300mm wide face cell that was rock filled with the remaining width of each course lined so that it could be filled with mass concrete to increase the stabilising forces. Consequently the structure was rigid structure and therefore could be used to support foundations.

In effect the gabions formed the shuttering for an in-situ mass concrete wall but retained the pleasing appearance of a traditional gabion wall.

To achieve a superior quality of construction the Hy-Ten gabion 700 system was chosen.

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