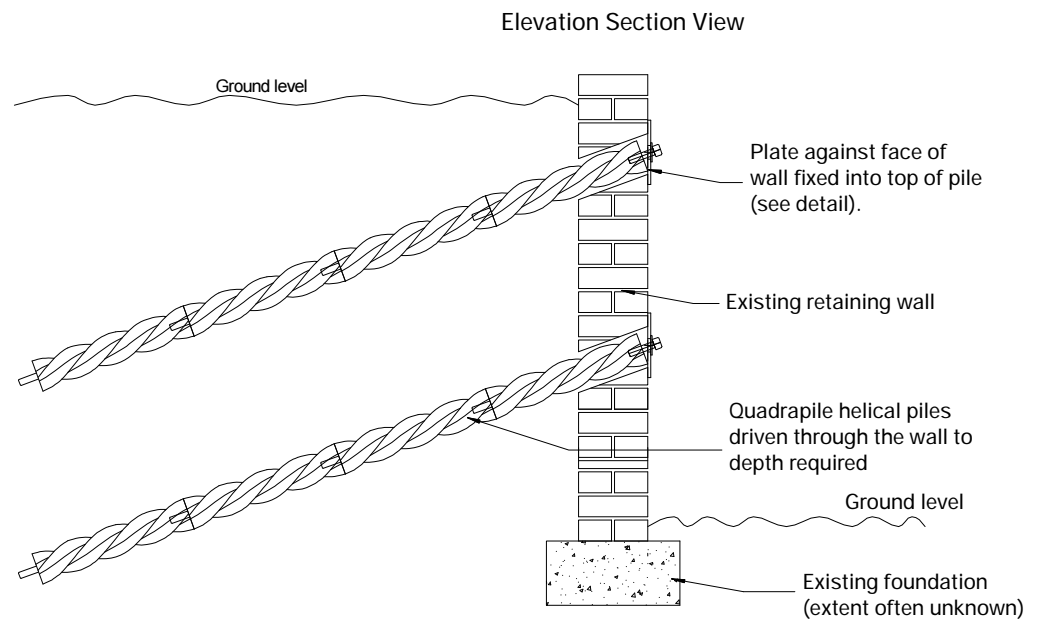
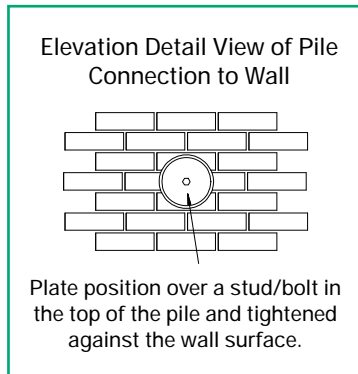




Repairing a Failing Retaining Wall using Face Plates

**METHOD STATEMENT**

1. Core drill through the existing retaining wall at the locations specified to create a route large enough for the Quadrapile to be driven through.
2. Drive the Quadrapile at the specified angle through the hole created and into the ground behind.
3. When the expected depth is reached, carry out proof testing of the pile. Take care not to damage the wall by overloading during testing.
4. Continue driving deeper, if required, and re-testing to achieve the required load.
5. Drive the pile top flush with the surface of the wall.
6. Install the masonry reinforcement in locations specified (typically as per HB-08)
7. Make good the hole around the pile using cementitious grout.
8. Fit the face plate over the pile and tighten against the surface of the wall.
9. Repeat as necessary for the rest of the pile positions.

GUIDANCE NOTES *Unless otherwise specified, the following criteria are to be used:*

- a. Piles should be driven at an angle of approximately 20 degrees below horizontal.
- b. Either 64mm or 100mm diameter Quadrapile can be used (depending on loads required).
- c. Number of piles and positions will be dependent on the wall and loads to be supported and should be specified by the designer but typical positioning is one-third up and one-third down the wall with rows of piles spaced at 1200mm centres forming a staggered grid.
- d. Amount and extent of masonry reinforcement will be dependent on the masonry condition and should be specified by the designer.
- e. Size of face plate will be dependent on condition of wall and aesthetic requirements but typically 150 to 300mm diameter.

To find out more and to see how we could help you, please contact us

info@quadrabuild.com | 02086 445 434 | www.quadrabuild.com

