

Helical Piling

SD Piling Team Restores Cheshire Property

Structured Designs are one the leading installers of Shire Piles in the North West.

This was demonstrated when we were instructed to undertake the internal and external structural works to a modern detached property in Cheshire.

Our technical team used a combination of 12 Thor Helical Shire Piles and 6mm Thor Helical bar to improve the structural integrity of the building. The piles were all installed within 2 days thanks to the efficiency and hard work of our site staff. See the following page for a step by step guide on the repairs.

As we were working on a domestic property, site safety was of paramount importance throughout the works. The job was given a full H&S assessment and the site was cordoned off using our site fencing with full H&S signage.

The job was completed on time and the policy holder was extremely happy - scoring us 5/5 on our own feedback sheets!

Structured Designs supply the full range of structural services listed below, providing all the trades from start to finish.

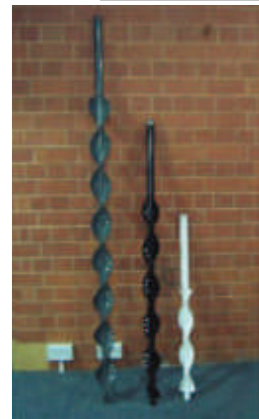
- Approved Thor Shire Pile & Helical Bar Installers
- Lintel Repairs including brickwork strengthening
- Restraining bowed and bulging walls
- Lateral restraints
- Wall Tie Testing & Replacement
- Stabilising of solid masonry and rubble filled walls.
- Reconnecting separate internal and external building walls
- Securing delaminated masonry
- Ceiling and joist pinning
- Creation of masonry beams



The H&S documentation produced



The H&S fencing and signage onsite



The different lengths of Helical Piles

Update

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enquiries@structuredesigns.co.uk



STRUCTURED designs

Crack Stitching

Helical Piling



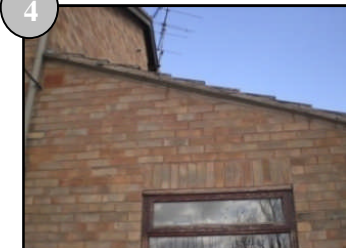
1 Cutting out of mortar joints for crack stitching using twin wheel diamond cutter and dust control vacuum.



2 Helical bar crack stitch inserted and sealed in special grout ready for final re-pointing to hide repair.



3 Slot cut for masonry beam above window and soldier course ties.



4 Repairs complete with little visual evidence any had taken place.

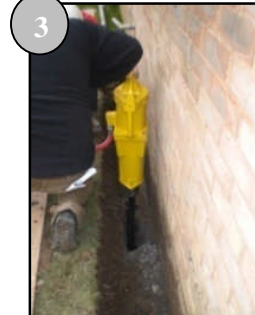
We cover all areas of the North East & North West including North Wales and parts of the midlands. If you have a specific job in mind call us on **01978 75 88 22** and we can discuss it.
Don't forget we also provide a full Fire & Flood Restoration service.
Alternatively email us on enquiries@structureddesigns.co.uk



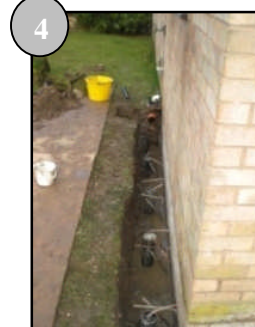
1 First step is to prepare the trenches.



2 Concrete footings need breaking out for the concrete pile replacement.



3 Piles start to be driven by a low vibration impact pile driving head.



4 Finished row of pile heads ready for concrete capping to be poured.



5 Concrete added to full length of the trench as specified on this particular job



6 Soil and turf reinstated over repair leaving little evidence of work being completed.

Update



The Coach House, Gatewen Hall, Wrexham, LL11 6YZ