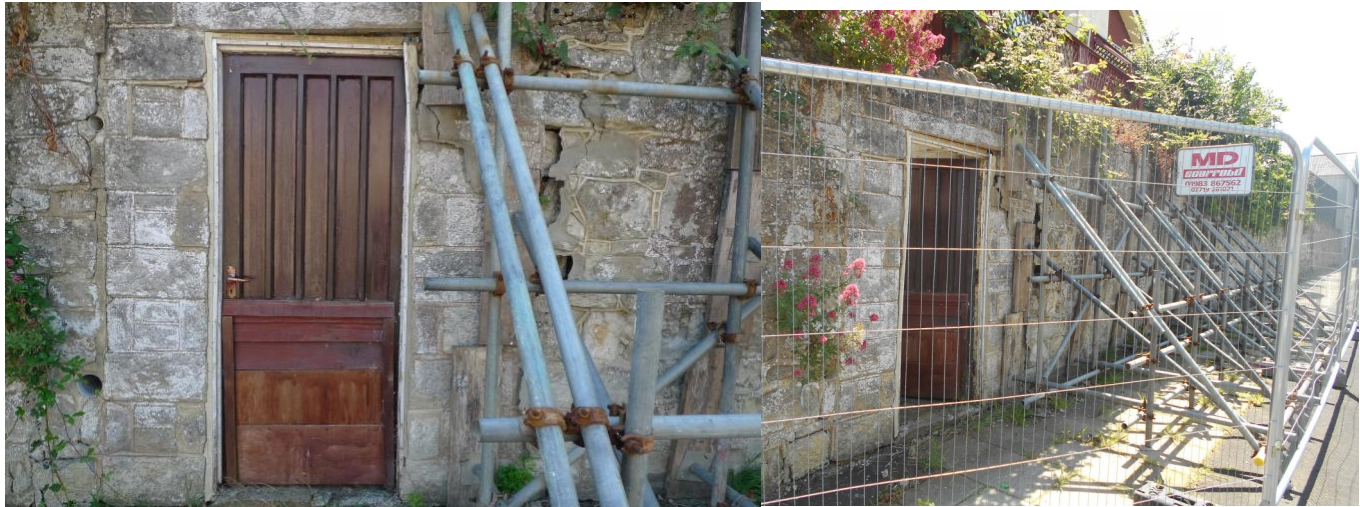


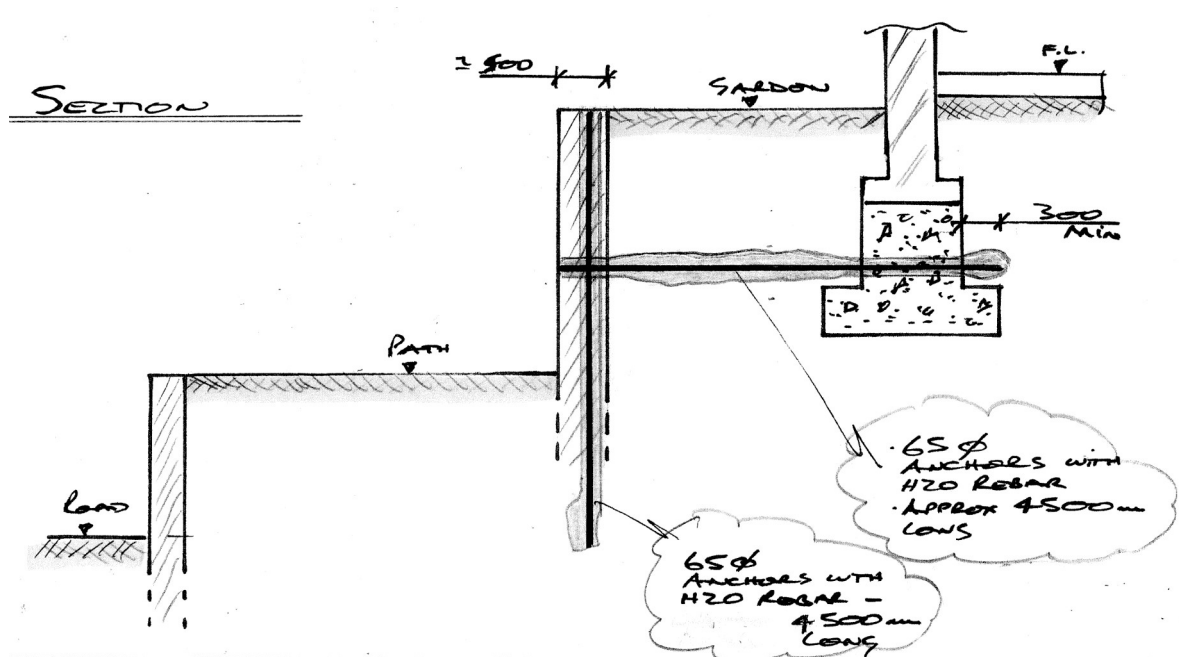
RETAINING WALL STABILISATION, ST GEORGE'S ROAD, SHANKLIN, ISLE OF WIGHT

A failing retaining wall adjacent the public footpath and highway posed a danger to pedestrians, traffic and occupants of the dwelling behind the wall.



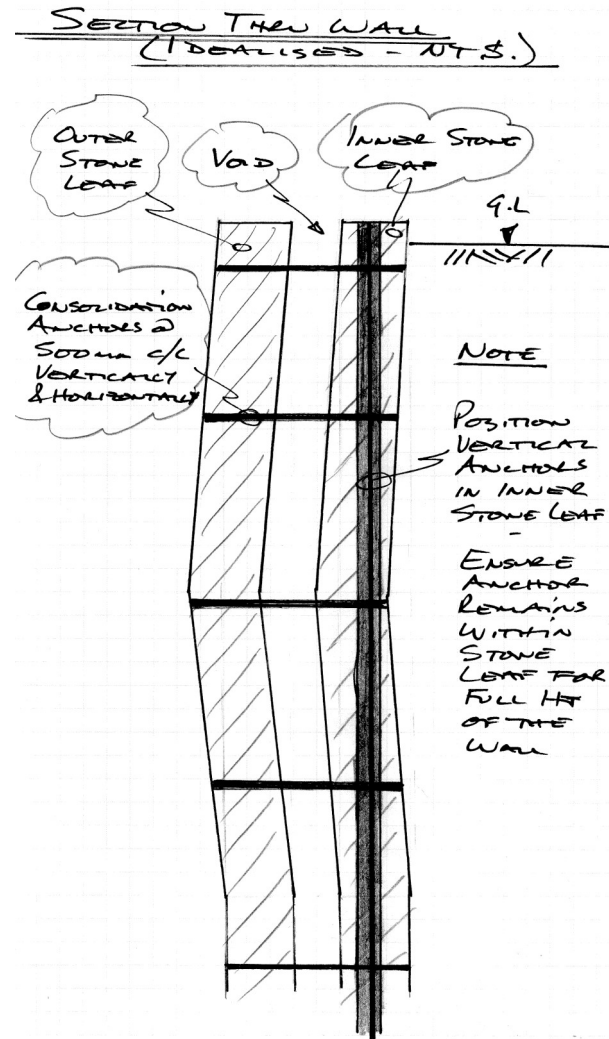
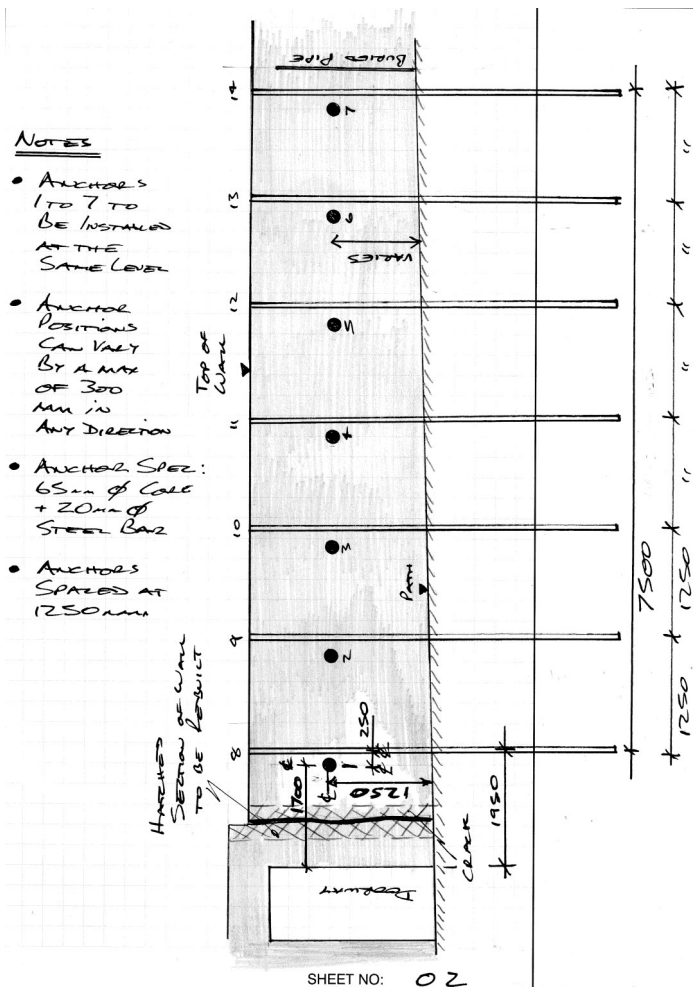
The wall was on the brink of collapse and temporary support provided by scaffolding. The works comprise the design and installation of horizontal and vertical Cintec ground anchors and consolidation anchors to stabilise a failing stone retaining wall. The wall forms the boundary of the plot with the adjacent pavement.

A survey and ground investigation had been carried out by Shire Associates thereby permitting the structural engineer retained by Cintec International to proceed with a design solution. The design by Epoc evaluated the adequacy of the scaffolding as part of the design. The design evolved to take into account soil data from trial pit reports and soil / construction details exposed whilst piling. It was essential that the drilling operations and anchor installation did not disturb the temporary support and cause it to fail



NOTE
LENGTH OF ANCHORS
TO BE CONFIRMED ON
SITE BEFORE ORDERING
THE ANCHORS.

RETAINING WALL STABILISATION, ST GEORGE'S ROAD, SHANKLIN, ISLE OF WIGHT



In addition to the original anchor design a concrete trench fill section was cast against the back face of the upper section of the wall and voids behind the lower section of the wall were filled with grout.

The seven vertical and inclined ground anchors were Cintec 20mm diameter stainless steel bars in a 65mm diameter diamond core drilled hole each being approximately 4500mm long. Additionally Cintec consolidation anchors were installed at 500mm grid horizontally and vertically. Ends of anchors were recessed and pointed over without the need for unsightly patress plates.

