

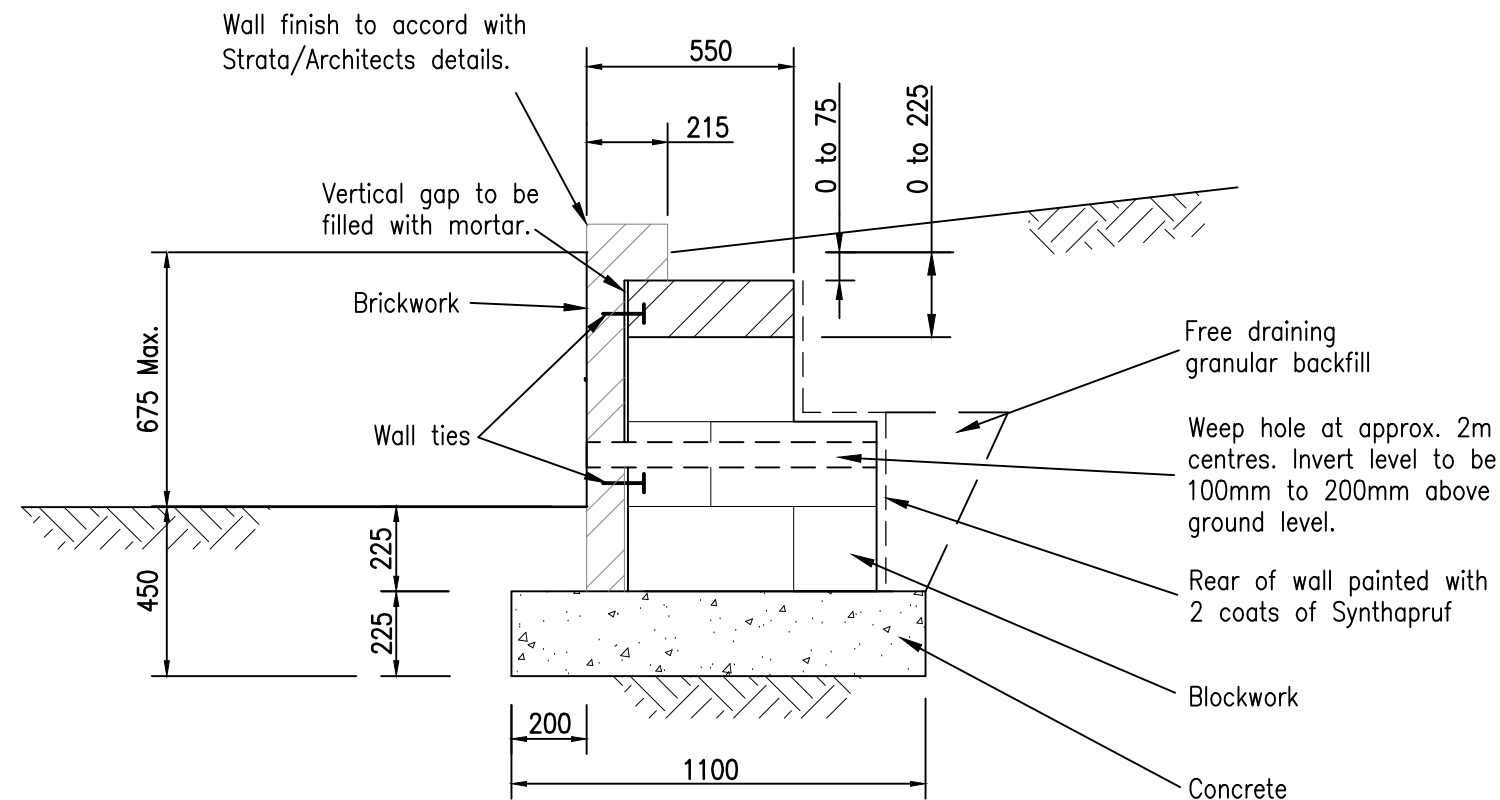
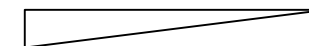
Notes:

1. Wall to be constructed of blocks suitable for use below d.p.c with a minimum density of 1400 kg/m³ and minimum 7.0 N/mm² crushing strength. Block size 215mm x 440mm x 100mm.
2. Blocks to be laid with vertical joints staggered where possible horizontally and vertically, with 440mm dimension perpendicular to the line of the wall and the 215mm dimension vertical.
3. Blocks to be laid in class (ii) mortar (1: 0.5: 4.5 cement: lime: sand).
4. Concrete base to be designated mix GEN1, except where sulphate precautions are required.
5. Wall ties to be stainless steel and be fixed at 450mm c/c horizontally and vertically.
6. Vertical movement joints 10mm wide are required through wall and coping 6m centres.
7. This retaining wall is designed to be founded on natural ground with a safe bearing capacity of at least 100kN/m².
8. This retaining wall has been designed for a handrail up to 1.1m in height provided it is fixed more than 700mm from the face of the wall.
9. Brickwork to be FL bricks laid in class (ii) mortar.
10. The 2 coats of Synthapruf applied to the rear of the wall may be omitted if the mortar used in the wall is changed from class (ii) to class (i)

All work to be carried out in accordance with the requirements of the Building Regulations, Water Authority and the Construction (Design and Management) Regulations currently in force.
Do not scale from this drawing. Architect to be notified of any discrepancies.
Verify relevant dimensions on site before commencing work or preparing shop drawings. This drawing is copyright.
Rev: _____ Date: _____ Action: _____ Issue: _____

H	T
DEPTH BELOW GROUND LEVEL mm.	THICKNESS OF BLOCKWORK mm.
225-450	440
450-900	665

Maximum 1 in 8 slope



Design Parameters

- Soil density 18kN/m³
- Peak angle of internal friction 30°
- Safe bearing pressure 100kN/m²
- Surcharge 5kN/m²
- Handrail load 0.74kN/m at 1.1m

SD10.EX.31



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scale: 1:20 | drawn by: LK | date: 17.07.07

Project: STANDARD DETAIL

Drawing: GARDEN BLOCKWORK RETAINING WALL UP TO 0.675M

Drawing Number: SD10.EX.31 | Revision: C