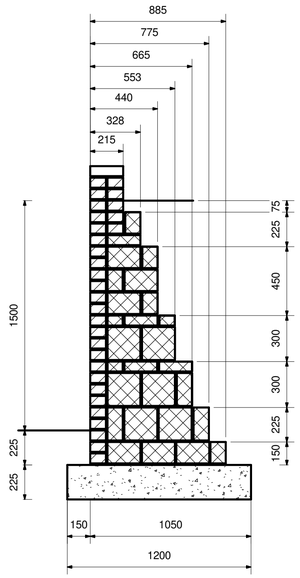
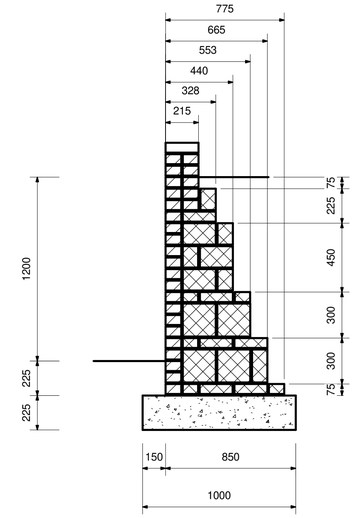
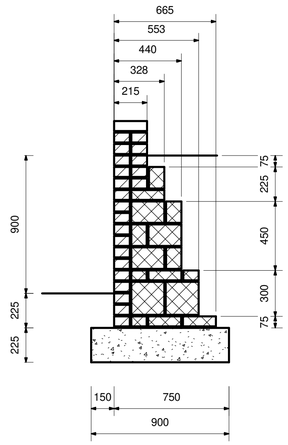


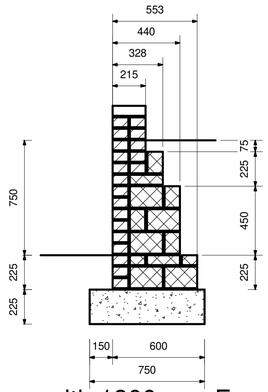
14 Up to 1500 mm with 1800 mm Fence Block
1 : 20



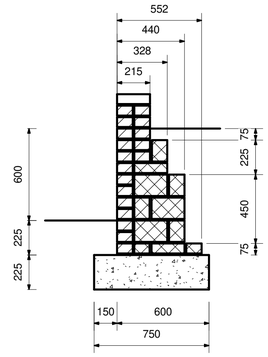
13 1200 mm with 1800 mm Fence Block
1 : 20



12 900 mm with 1800 mm Fence Block
1 : 20



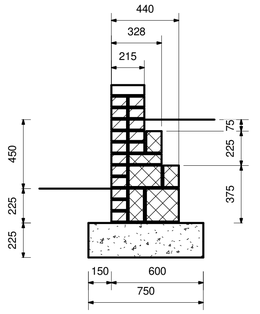
11 750 mm with 1800 mm Fence Block
1 : 20



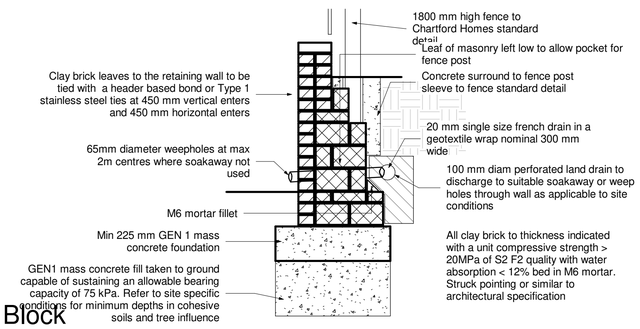
10 600 mm with 1800 mm Fence Block
1 : 20

Block coursing indicates on this drawing as 150mm - this is indicative. 225mm block coursing may be used.

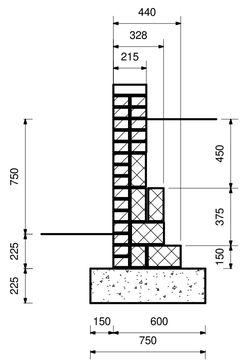
Retaining structure may be founded on engineered fill to Structensor specification 6533 R01 'Bulk Earthworks Specification'.



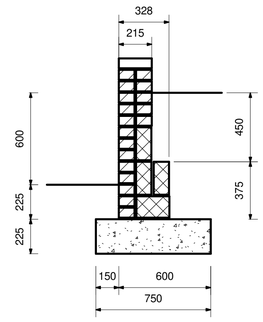
7 450 mm with 1800 mm Fence Block
1 : 20



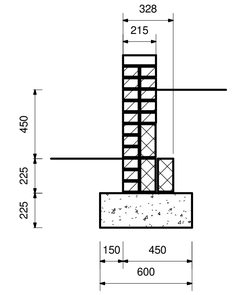
8 Typical Detail
1 : 20



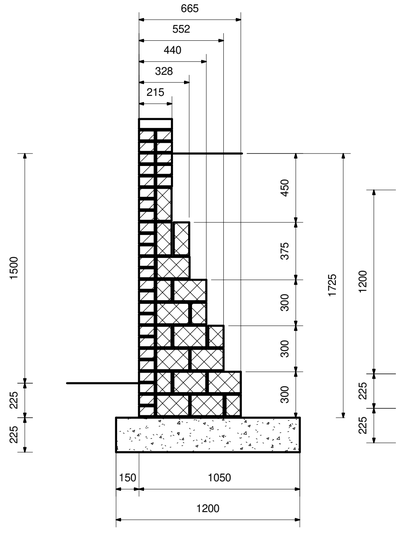
1 750 mm No Fence
1 : 20



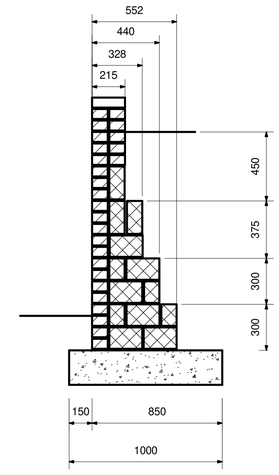
2 600 mm No Fence
1 : 20



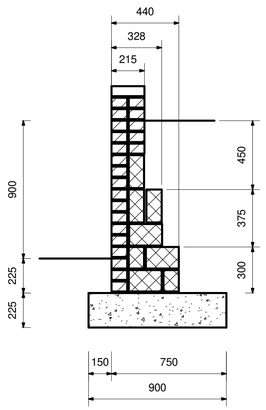
3 450 mm No Fence
1 : 20



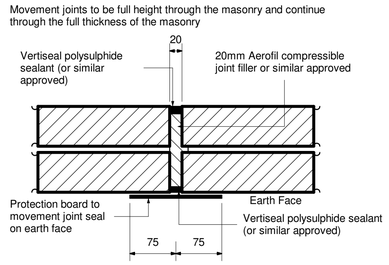
4 1500 mm No Fence
1 : 20



5 1200 mm No Fence
1 : 20



6 900 mm No Fence
1 : 20



9 Typical Vertical Movement Joint
1 : 5

For location and height of retaining walls refer to the engineering layout for the development.

For location of drains refer to the drainage layout for the development.

For the location of fence lines refer to the architectural layout for the development.

All concrete to comply with BS 8500-2

All retaining wall foundations to be taken down to below a 45 degree line of draw of any drains using GEN1 mass concrete

Retaining wall not be backfilled prior to full curing of the masonry.

Where scaffold is placed within a 45 degree line of drawing from the back of the wall at top of foundation to ground level the applied surcharge loading is to be limited to that noted on the sections

Excavations for retaining walls should be outside of a 45 degree line of draw from the understand of any existing foundations to avoid undermining of structures. If in doubt seek further advice from Structensor Consulting.

Retaining wall foundations to be constructed on ground capable of sustaining an allowable bearing capacity of 75 kPa.

All dimensions are in millimetres unless noted otherwise.

These details are applicable where retaining walls are not within the influence on trees.

Retaining walls are designed to sustain a maximum surcharge of 5 kPa.

Backfill to the retaining wall to be well graded granular material with a maximum bulk unit weight of 1900 kg/m3.

Maximum site characteristic wind pressure 0.59 kPa (equal to the capacity of the standard screen wall). For exposed sites or sites local to the coast seek additional guidance from Structensor Consulting.

Avoid services to front of the wall to mitigate the risk of accidental excavation in front of the wall.

All blockwork to be medium dense aggregate block with a compressive strength of 10.4 MPa set in M6 mortar. Leaves of all masonry to be tied together with Type 1 wall ties or collar jointed being bonded with block headers.

Hazard: Stem Stability

H

Construction traffic should not impose a load greater than a surface uniformly distributed load of 5 kPa within a 45 degree line of draw from the rear base of the stem. Where possible avoid construction traffic loading.

Hazard: Stem Stability

H

Ensure masonry is fully cured prior to backfilling

Rev	Revision Description	Date
	Revision Schedule	

Project Title:

Proposed Residential Development, Northorpe Lane, Mirefield

Drawing Title:

Standard Retaining Wall Details

Client:

Chartford Homes

Scale	Drawn Date	Status	Rev
As indicated	May 26	Tender	
Project No	Sheet No		
6533	FZP-S-DWG-B001		

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