

Structural drawings are to be read in conjunction with Architect's information.

Elements of the structure to be inspected before major work commences. Builder to present to the engineer a method statement setting how the structural work is to be safely carried out.

All materials to conform to British Standards.
All workmanship in accordance with good practice.
Refer to Specification

Foundation notes:

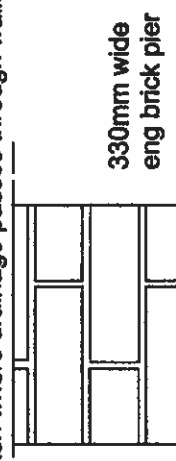
Concrete to be min grade FDN 3 using sulphate resisting cement.
Existing masonry walls to be locally underpinned as shown.
Foundation levels:
to external walls: 1200mm min or founded on undisturbed clay
internal walls: 900mm min or founded on undisturbed clay.
Design is based on a safe working bearing capacity of 100kN/m²
on firm undisturbed ground,
Before creating opening, the strategy of safe propping is to be agreed with the Engineer.

Basement slab:

* These are the target reduction in FFL to produce a basement floor without any steps.

Drainage

Note that drain runs are not shown on the drawings. Special precautions are to be taken where drainage passes through walls and footings.



330mm wide eng brick pier

new basement
FL

ground slab

concrete casing
min 50mm cover

1000 mm

12mm dia HD bolts @ 600mm cr

2no layers of A193 mesh

225

concrete footing

800mm

section thru' ground beam to opening in main rear external wall

rev B: section ref. to SE6. 27.11.12
rev A: references to sections + basement slab note: 27.07.12

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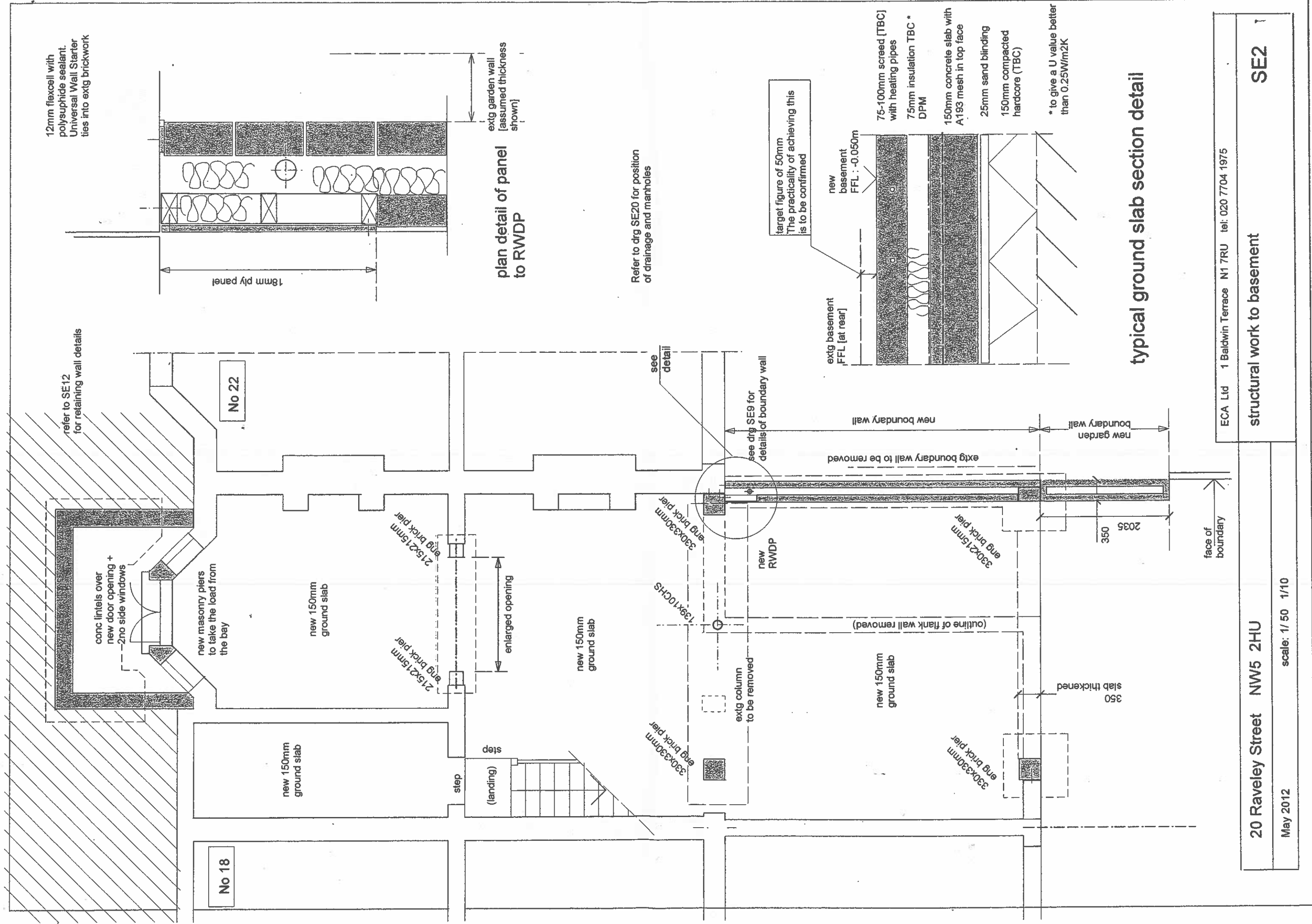
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scales: 1/50 1/10

proposed foundations

SE1
rev B



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structural work to basement

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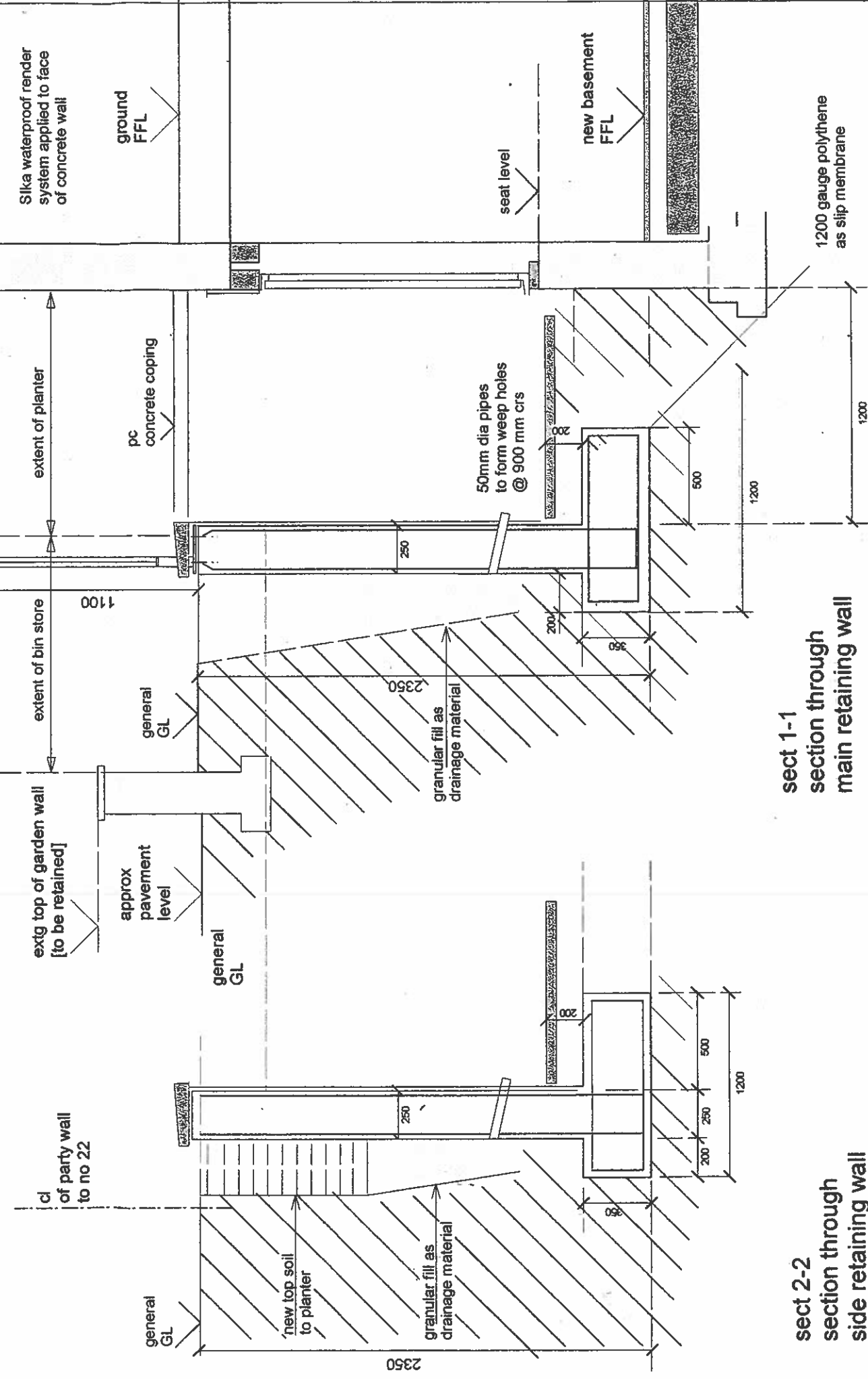
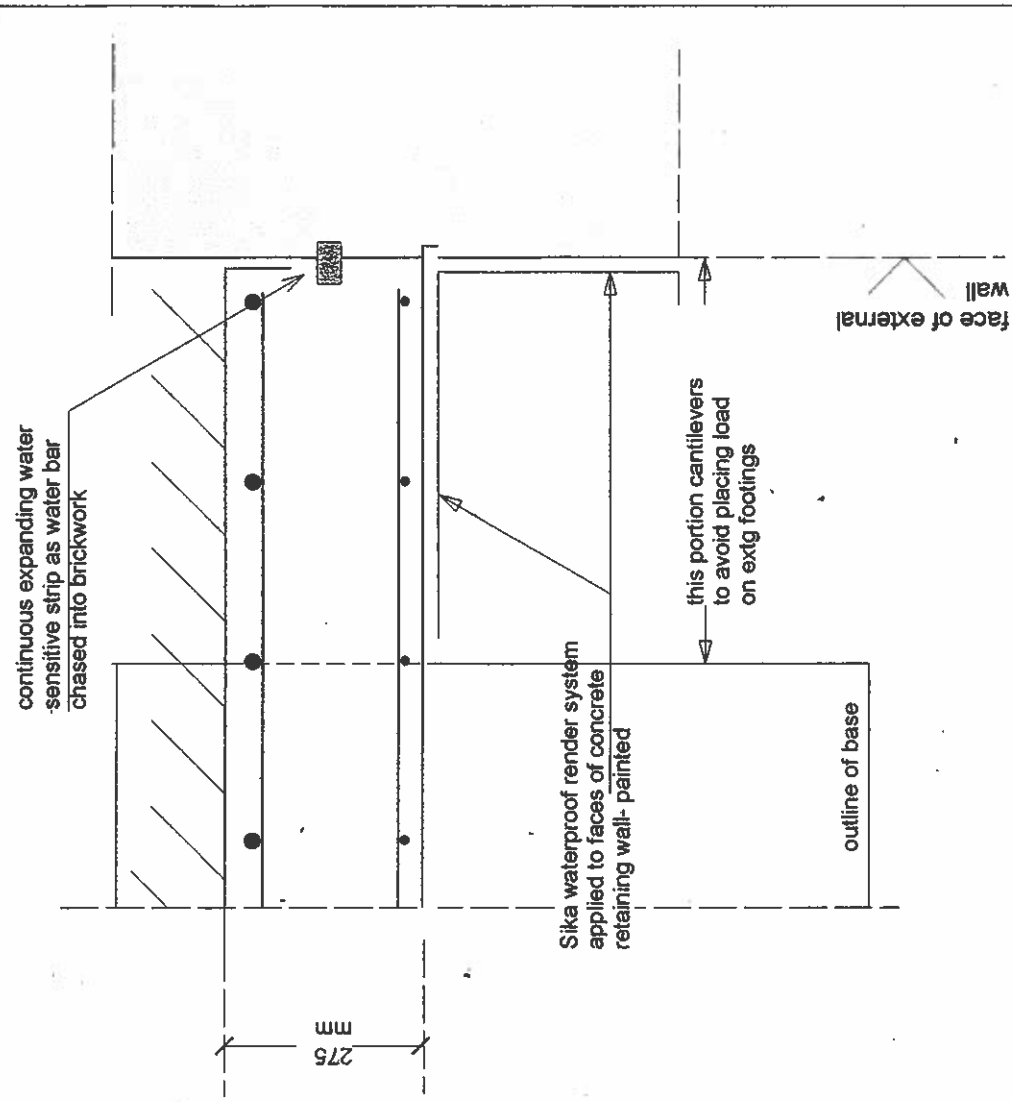
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SE2

RC Cantilever retaining wall:
 Concrete mix: C35. Suptate resisting cement.
 See Drg SE15 for reinforced concrete details.

Metal railings to light well:
 By architectural metalworker in mild steel
 Height 1100mm
 10mm dia vertical bars @110mm crs [TBC]
 Horizontal bars TBC

plan of wall at front
 external wall



sect 2-2
 section through
 side retaining wall

sect 1-1
 section through
 main retaining wall

drainage
 to be resolved

rev B: general amendments: 27.09.12
 rev A: depth of retaining walls: 27.07.12

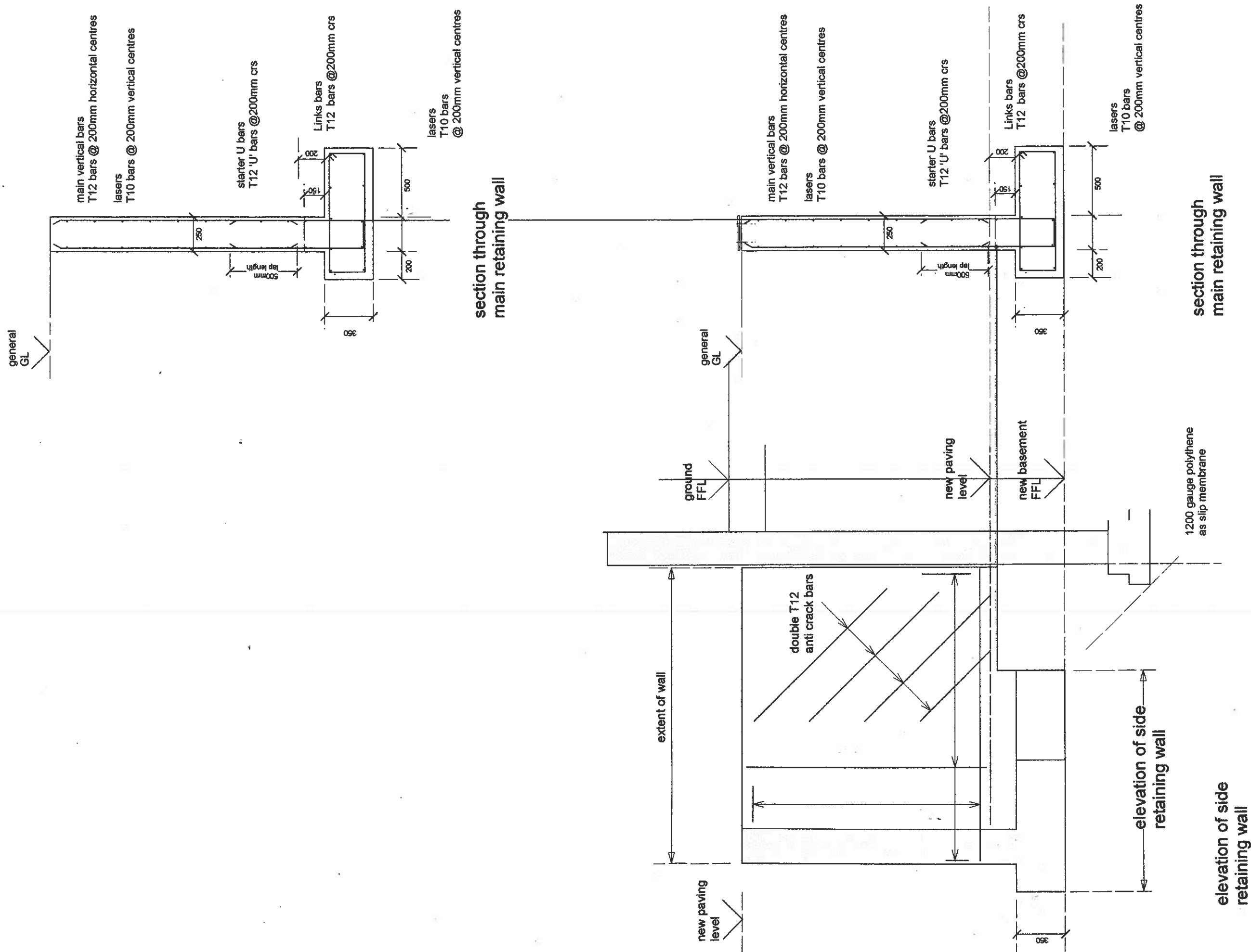
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retaining walls to light well

SE 12
 rev B



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reinforcement details of retaining walls to light well

SE 15