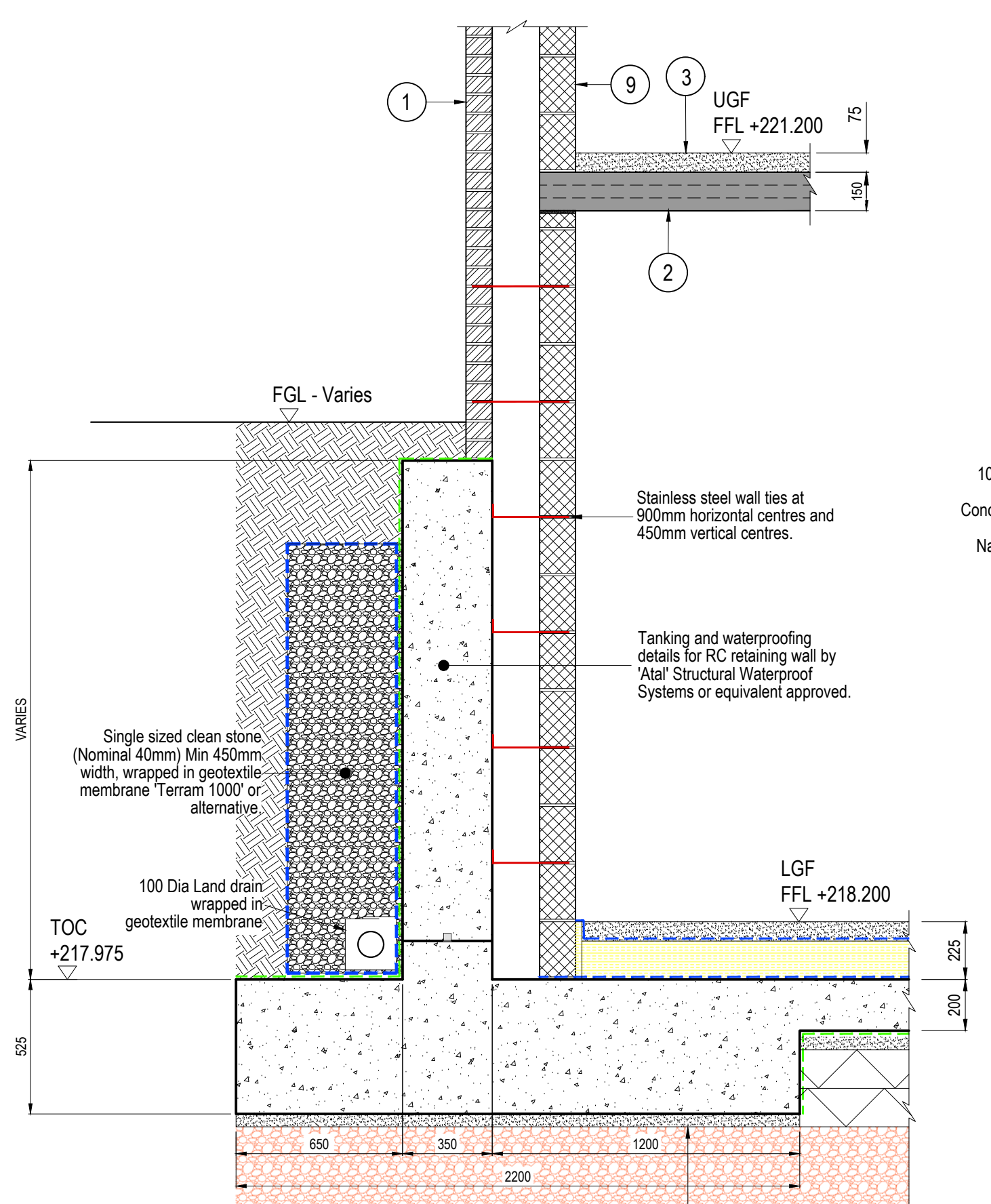
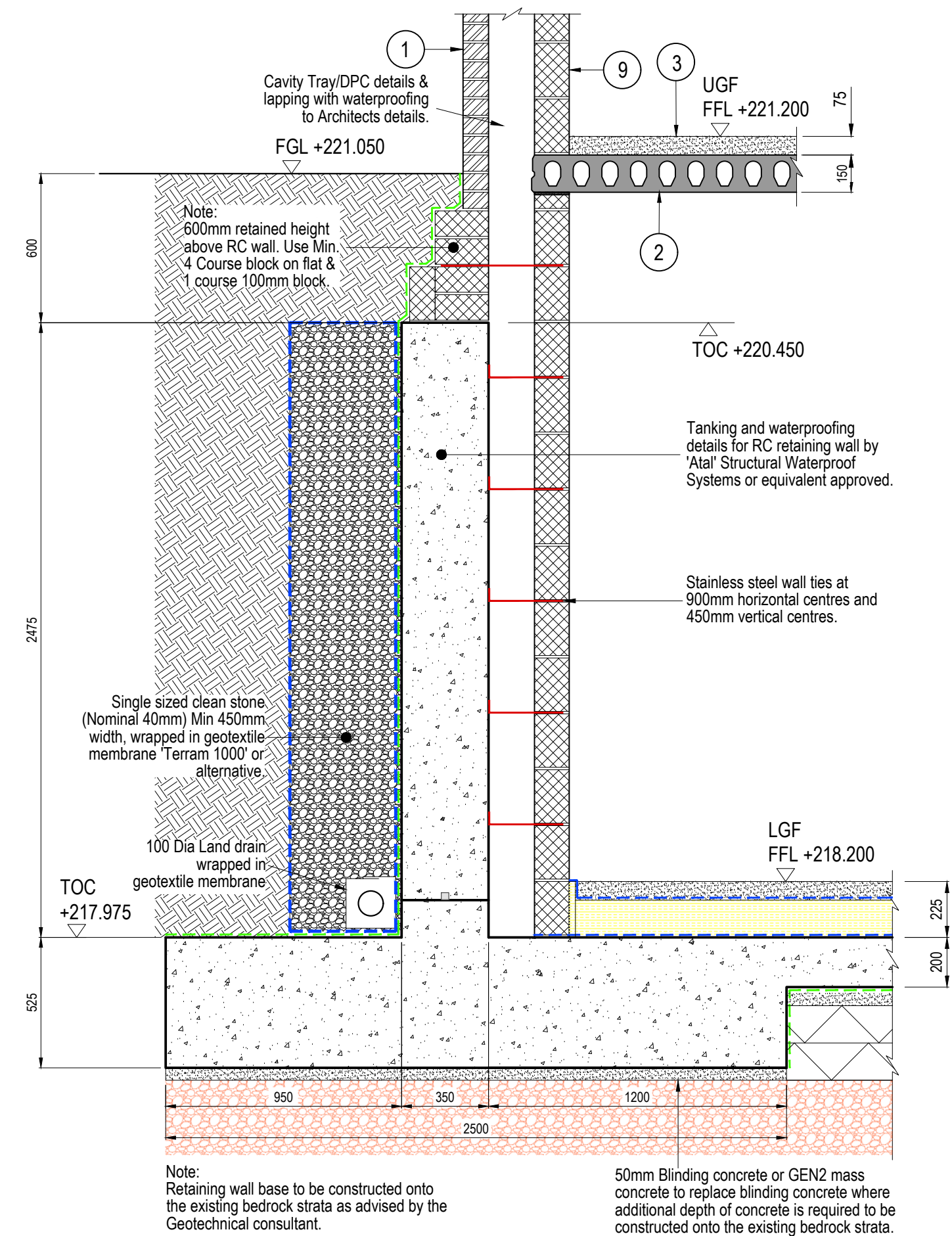
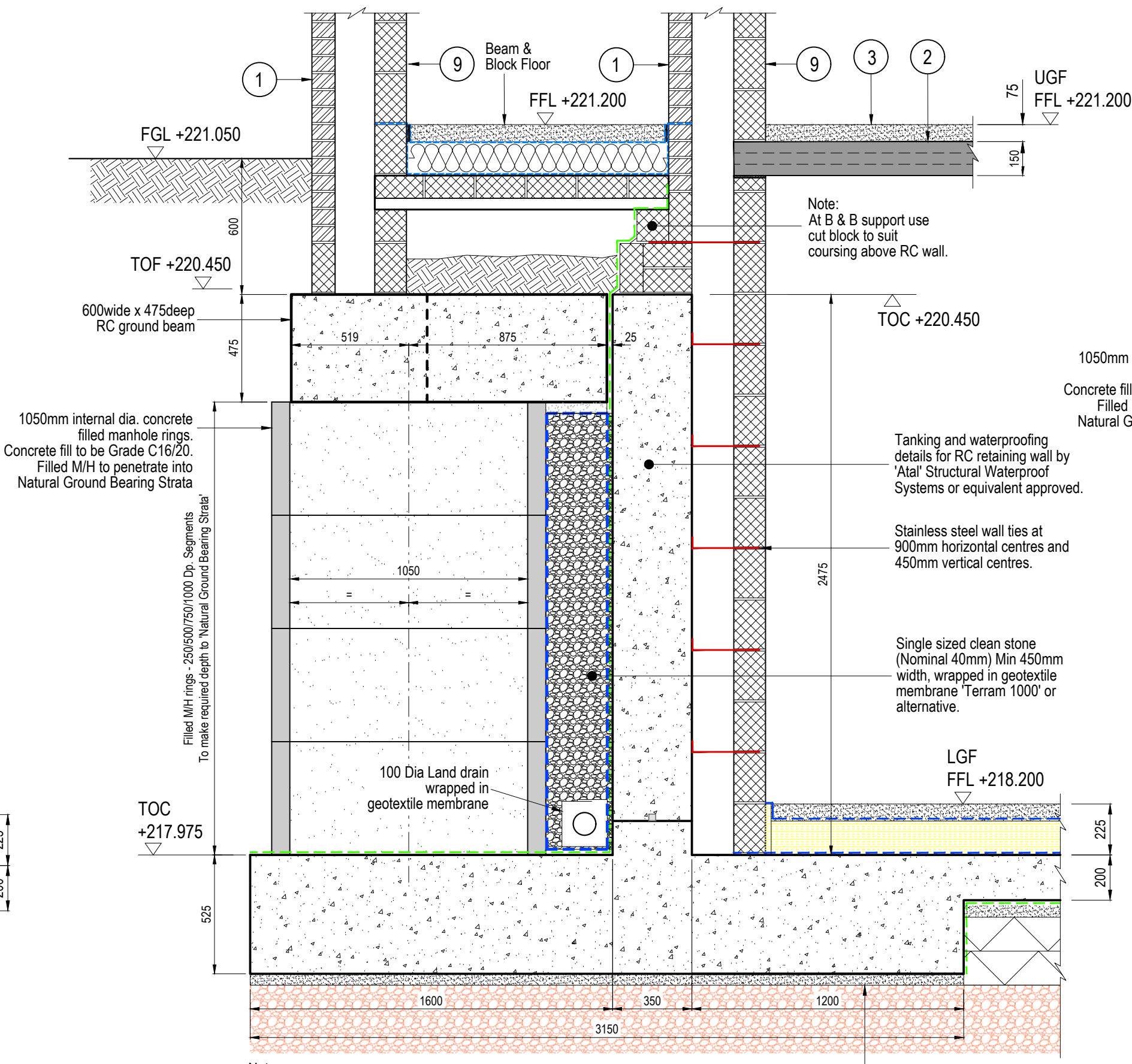




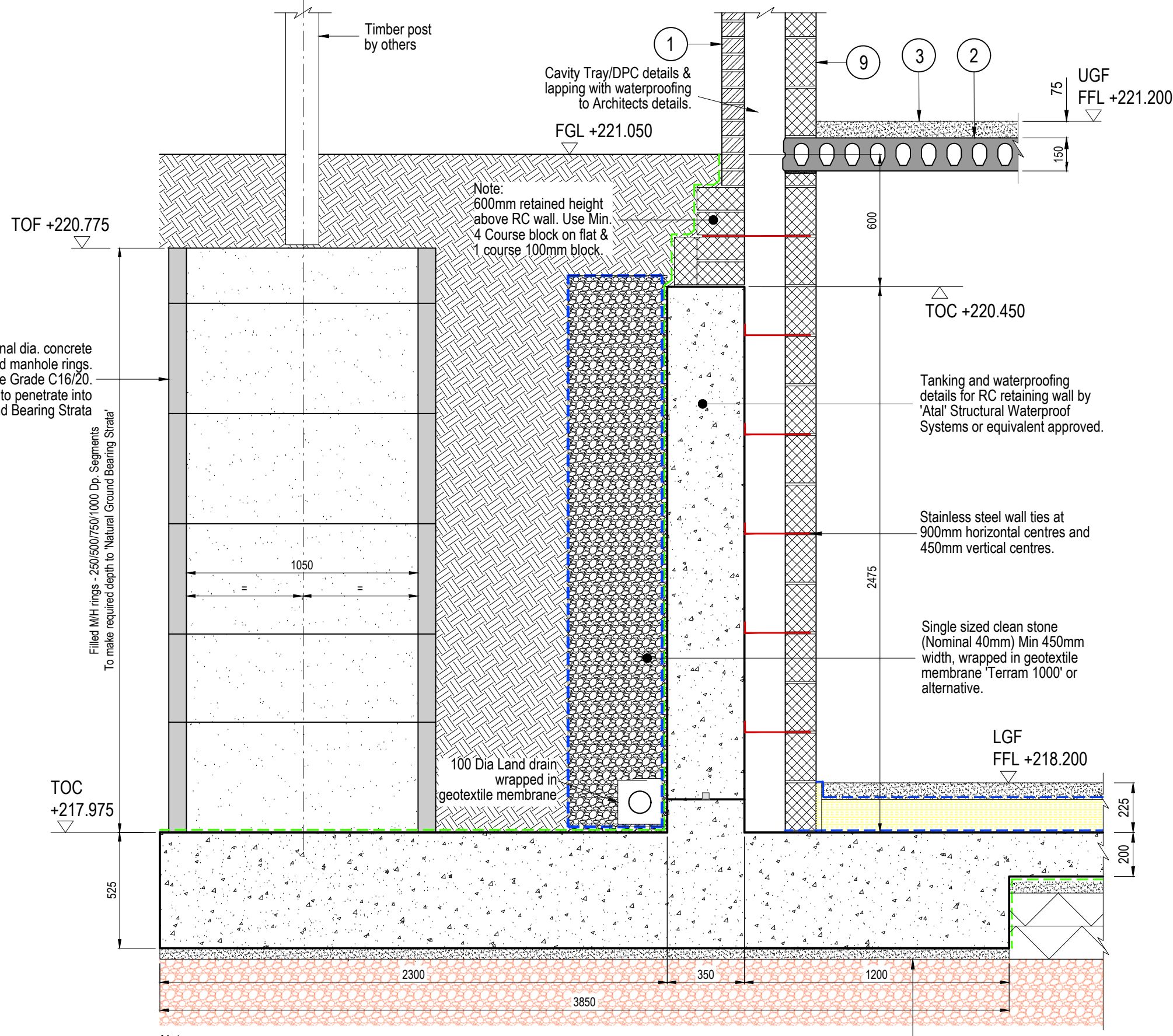
Section A-A
Scale 1:20



Section B-B
Scale 1:20



Section C-C
Scale 1:20



Section D-D
Scale 1:20

Notes :-

General:

- Do not scale from this drawing, use figured dimensions only.
- All dimensions are in millimetres, all levels are in metres.
- This drawing to be read in conjunction with the latest Architects, Engineers & specialists drawings & specifications.

Masonry:

- Refer to Architects drawings for all masonry wall setting out.
- For flats with 3 storey's blockwork to be minimum 10N/mm² to first floor level, 7 N/mm² above.
- For flats with 2 storey's blockwork to be minimum 7N/mm².
- Type (ii) mortar to BS:5628:Part 1. Above DPC, mortar should revert to type (iii) mortar to BS:5628:Part 1.

Raft Foundation:

- Raft foundation to be constructed off 300mm Min. of Type 1 sub-base.
- All formations should be proof rolled, any soft spots removed & void backfilled with structural fill or Lean mix concrete (grade C8/10).
- Raft edge and internal beams to be taken down and constructed onto the existing bedrock strata as advised by the Geotechnical consultant.
- Concrete grade for raft foundation to be C28/35 (RC35).
- Raft edge beams allow reinf't weight of 45 kg/m run. Raft edge beams to be reinforced with H16 main bars & H10 links at 275 c/c. Refer to reinforcement drawings.
- Raft internal beams allow reinf't weight of 40 kg/m run.
- Slab to be 200mm Thk. concrete grade C28/35 (RC35). Reinforced with 1 layer A393 mesh top & bottom.
- Concrete cover to be Min. 40mm.
- All reinf't laps to be Min. 500mm for H12 main bars.

Concrete:

- Mass concrete foundations to be Grade C16/20. Design Class DS-1, ACEC Class AC-1.
- Reinforced concrete foundations to be Grade C28/35 (RC35).
- Reinforced concrete retaining wall to be Grade C32/40 (RC40).
- Blinding concrete to be Grade C12/15 (GEN 2).
- The position of construction joints & pouring sequence to the engineers approval & agreed prior to construction.
- Unless shown otherwise all surfaces to construction joints shall be scabbled back without disturbing coarse aggregate particles.

Gas Protection:

- No radon protection is required.
- Gas protection required for Gas Characteristic Situation 2.

E	20/08/25	Section A-A updated to show reduced toe of retaining wall to match plan.	WW	WW
D	06/06/25	Sections updated to show reduced RW height, with additional block work above.	DJT	DJT
C	27/05/25	Construction Issue Section D-D, RW base level amended.	DJT	DJT
B	09/04/25	Foundation design updated to raft foundation to suit ground conditions and contractor request.	WW	WW
A	31/01/24	Retaining wall design to block A/B updated.	WW	WW
REV.	DATE.	DETAILS.	AMENDMENTS	BY: CHK.

CLIENT:



Merthyr Housing
Where People Count First



Tai Merthyr
Life Done Right
pre-Council



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PROJECT: **Springfield Rise Treharris**

DRAWING TITLE: **Block A & B Flats RC Retaining Wall Sections - Sheet 1**

DRAWN: WW	CHK: PHG	STATUS: CONSTRUCTION	SCALE AT A1: As Shown
DATE: Dec '24	JOB NO: 2109	DWG. NO: 012	REV: E

Retaining Wall Notes

- Batter slopes to back of retaining walls to vary from horizontal to a max. of 1 in 8 unless otherwise stated.
- Materials to back of retaining walls to be carefully placed and lightly compacted.
- Backfill materials behind completed walls are to be placed not sooner than 3 days after building of the wall, number of days to be confirmed by the retaining wall designer.
- Retaining wall has been designed for a maximum surcharge of 5kN/m² applied to the upper retained surface behind the retaining wall.
- All soft spots to be removed & replaced with compacted sub-base or lean mix concrete.
- The retaining wall foundations have been designed for a maximum allowable bearing pressure of 250kN/m². All soft spots to be removed & replaced with compacted sub-base or lean mix concrete.

LEGEND

- Cavity wall construction to Architects details.
- 150mm Dp. hollowcore floor pre-cast unit.
- 65mm Screed on 6mm Isorubber base layer to Architects details.
- Continuous wet mortar to take up camber.
- Joints between units should be grouted with a 30 N/mm² concrete using a 6mm nominal aggregate size.
- Lintel/beam (For details & specifications refer to plan).
- Terrace finishes to architects details
- Structural concrete infill with tie reinforcement in joint/slot to pre-cast slab manufacturers design.
- 140thk blockwork wall