

Query No	Subject	Query	Status	Date closed out
1	Stability	Clarification required with respect to excavation depth and nature of basement retaining walls.	Structural calculations and sketches, and GMA, refer to RC walls. Assumed reference to mass concrete in original BIA is error. To be confirmed. Depth of basement described as 3.00 to 3.50m in BIA addendum and GMA. Structural calculations give retained wall heights of max 2.375m but allow for surcharge from retained soil above.	24/03/20
2	Stability	Retaining wall calculations to be revised to reflect recommendations in hydrogeological assessment.	Open - BIA addendum states walls to be designed for water at 1m bgl but structural calculations unchanged with exception of shear resistance.	
3	Stability	Building damage assessment to be reviewed to ensure consistent with anticipated ground movements.	Open - Clarification required as described below	
4	Stability	Consideration to be given to impact of tree removal.	Open – it is stated in GMA that current water demand of tree to be removed is low due to poor condition, therefore impact of removal will be small. To be confirmed by arboriculturalist.	
5	Hydrogeology / Hydrology	Impact of infiltration tank to be considered.	Open - Reference made in addendum to attenuation tank. Clarification required.	

Clarification of GMA

What settlement assumed?

Section 6.1 indicates 5mm due to underpinning (but section 5.2.1 suggests up to 10mm?)

Section 5.2.1 suggests 1-2mm due to load transfer

Section 5.2.2 suggests 2-3mm due to excavation (max at 1.5-2m behind wall due to ground sagging)

Is this cumulative? How distortion calculated? Do these different causes of settlement cause any sagging/hogging in walls?

What is impact of horizontal movement described in 5.2.2?

Are there any internal walls to consider in No 20 Ferncroft Ave?