APPENDIX F

SCOPING AND SCREENING FLOW CHARTS

NOTE: THESE ARE BASED ON THE INORMATION PROVIED IN THE S.I. BY GROUND ENGINEERING

	ORT HOUSE – FLOW CHARTS	
	Surface Flow and Flooding Impact Identification	
	Is the site within the catchment of the pond chains on Hampstead Heath?	**No.**
	As part of the site drainage, will surface water flows (e.g. rainfall and run-off) be materially changed from the existing one?	**No. .**
	Will the proposed basement development result in a change in the proportion of hard surface / paved external areas?	**No.**
	Will the proposed basement development result in changes to the profile of the inflows (instantaneous and long-term) of surface water being received by adjacent properties or downstream watercourses?	**No.**
	Will the proposed basement development result in a change to the quality of surface water being received by adjacent properties or downstream watercourses?	**No.**

Subterranean (groundwater) Flow Impact Identification		
	Is the site located directly above an aquifer?	**Yes. The unproductive stratum of the London clay is about 40m thick beneath this part of London and the Aquifer of the White Chalk subgroup lies about 60m below ground level, about -30mOD. This will not be affected by the proposals. Refer to the SI**
	Will the proposed basement extend beneath the water table surface?	**No. The bore holes and trail pits remained dry. Refer to SI.**
	Is the site within 100m of a watercourse, well (used/disused) or potential spring line?	**No. Refer to SI**
	Is the site within the catchment of the pond chains on Hampstead Heath?	**No. The site is a good distance away from the ponds.**
	Will the proposed basement development result in a change in the proportion of hard surface / paved areas?	**No, there is some hard paving over the proposed site presently and there will be some planting in the sunken terrace (light-well).**
	As part of the site drainage, will more surface water ((e.g. rainfall and run-off) than present be discharged to the ground? (e.g. via soak-aways and/or SUDS)	**The base of the light-well will be in impermeable London Clay. Minimal displacement of perched water could be expected. Refer to SI ('Other issues - pages 26 & 27).**
	Is the lowest point of the proposed excavation (allowing for any drainage and foundation source under the basement floor) close to, or lower than, the mean water level in any local pond or spring line? (not just the Hampstead ponds).	**No. Refer to SI.**

Slope Stability screening flowchart

	Does the existing site include slopes, natural or manmade, greater than 7 degrees (approx. 1 in 8)?	**No. The site with an area of a gentle slope of less than 1 degree. Refer to SI**
	Will the proposed re-profiling of landscaping at site change slopes at the property boundary to more than 7 degrees (approx. 1 in 8)?	**No. Refer to Architects' and structural scheme drawings.**
	Does the development neighbour land, including railway cutting and the like, with a slope greater than 7 degrees (approx. 1 in 8)?	**No. The site with an area of a gentle slope of less than 1 degree, and bounded by other properties. Refer to SI**
	Is the site within a wider hill setting in which the general slope is greater than 7 degrees (approx. 1 in 8)?	**No. The site with an area of a gentle slope of less than 1 degree, and bounded by other properties. Refer to SI**
	Is the London Clay the shallowest strata at the site?	**No. There is a band of made ground over London Clay. Refer to the SI.**
	Will any tree/s be felled as part of the proposed development and/or any works proposed within any tree protection zones where trees are to be retained?	**No. Refer to arboriculturist report.**
	Is there a history of seasonal shrink-swell subsidence in the local area., and/or evidence of such effects on site?	**London clay has a high shrinkage potential and as such properties near to high water demand trees maybe susceptible to movement, depending on the depth of their foundations. There is no evidence of movement on the site, to neighbouring properties and ORT House is founded below the influence of nearby trees.**
	Is the site within 100m of a watercourse or potential spring	**No. Refer to SI**

	line?	
	Is the site within an area of previously worked ground.	**No. Refer to SI**
	Is the site within an aquifer? If so, will the proposed basement extend beneath the water table such that dewatering may be required during construction?	**Yes. The unproductive stratum of the London clay is about 40m thick beneath this part of London and the Aquifer of the White Chalk subgroup lies about 60m below ground level, about -30mOD. This will not be affected by the proposals. Perched water in the made ground over the more relatively impermeable London Clay may be encountered during construction, and so some pumping maybe necessary.** **Refer to the SI**
	Is the site within 50m of Hampstead Heath?	**No.**
	Is the site within 5m of a Highway or pedestrian right of way?	**No.**
	Will the proposed basement significantly increase the differential depth of foundations relative to neighbouring properties.	**No. The light-well extends the existing basement area by a relatively small amount, no deeper, and is well away from neighbouring foundations.**
	Is the site over (or within the exclusion zone of) any tunnels, e.g. railways lines?	**No.**