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Arboricultural Implications Assessment – Proposed Development, ASDA Home Shopping, Purbrook Way, Havant

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1. Background. SEP (Site Engineering Personnel) Ltd (SEP) have been requested by Gleneagles Project Services Ltd on behalf of ASDA to assess the possible arboricultural implications of the proposed development at ASDA Home Shopping, Purbrook Way, Havant Sussex. Planning Application APP/12/000227.

2. Reason. A new extension to the current building would require foundation trenches to be dug within 2.5m of a wooded area, currently protected by a TPO.

3. Assessment.

3.1 The trees in question are positioned on an embankment, behind a concrete retaining wall ~1.5m above the ground level of the proposed building and ~2.5m from the nearest proposed foundation dig (see fig 1 and 2).

3.2 The larger trees have a diameter at 1.5m above ground (DBH) of ~250mm giving a Root Protection Area (RPA) of ~28.26m² (5.3 x 5.3m).

3.3 If the RPA is off-set by 20% from the proposed development, as allowed in BS5837, it would not fall within the footprint of the proposed building.

3.4 The retaining wall is built on concrete foundations with a "Toe Under Embankment" this would have reduced the root creep of the nearest trees into the ASDA site quite considerably if not entirely (see fig 3).

3.5 Due to the low level height of the proposed building and the elevated aspect of the embankment and trees, the proposed development will have little effect on sunlight penetrating the wooded area.

3.6 Having considered the current and proposed layouts of the planned development, it is the opinion of SEP that the trees immediately adjacent to the ASDA site will not be affected by the new building.

4. Conclusions and Recommendations.

4.1 In support of the above the site investigation borehole information (copy attached) showed no signs of root penetration into the area.

4.2 Having considered the current and proposed layouts of the planned development, it is the opinion of SEP that the trees immediately adjacent to the proposal will not be affected by the new building.



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Fig 1. Photo showing embankment of trees behind concrete wall, ASDA Havant



Fig 2. Current layout, ASDA Havant

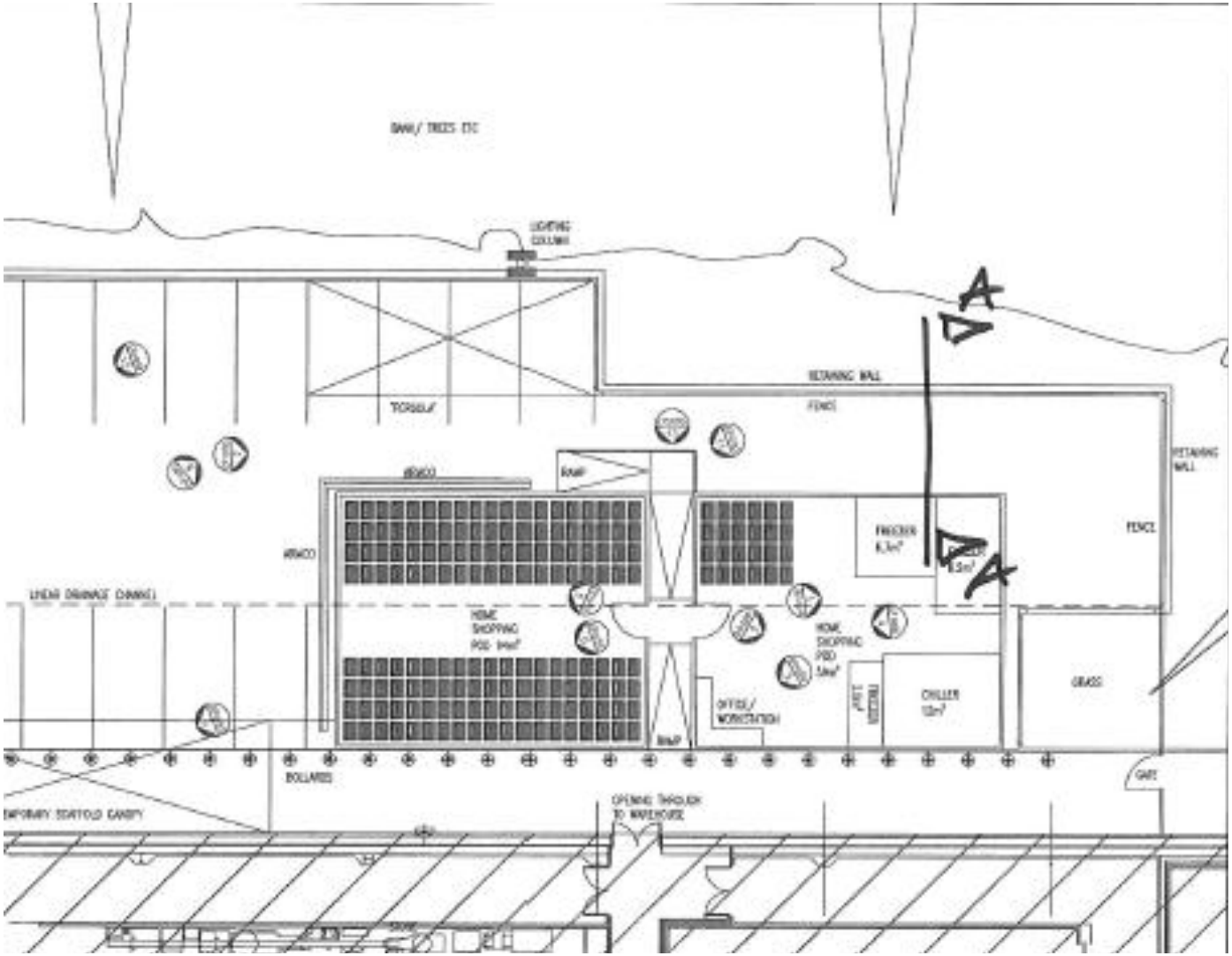
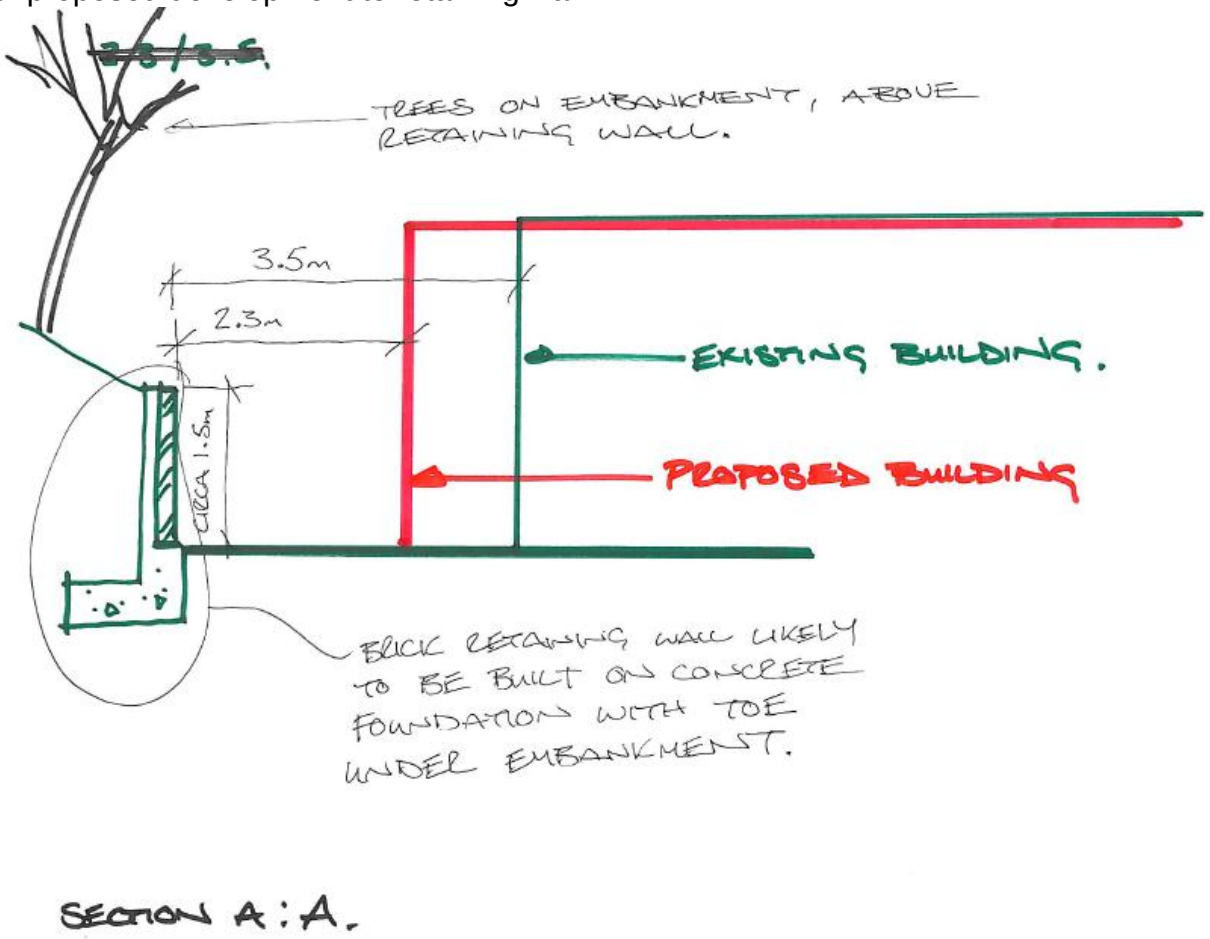


Fig 3. Proximity of proposed development to retaining wall.



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