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Screening Document to establish whether a full BIA is required for proposed development at

26 West End Lane, London NW6 4PA

BACKGROUND

Nick Baker Architects have been instructed to submit a planning application for "Sub-division to create one additional flat including rear extension at ground floor...." at the above property on behalf of the client. As part of this a pre-application process was followed. Although there are no existing nor proposed basements at this property nor any lightwells, there is a proposal to move an existing 0.9m high retaining wall in the back garden. The Planning officer has suggested that a BIA screening process should be undertaken.

DOCUMENT ORIGINATOR

This document is prepared by Marek Glowinski BSc CEng MIStructE FConsE. Over a period of 25 years he has designed over 300 basements throughout London from very small to large ones in excess of 12m deep. On these projects has been responsible for the design of permanent and temporary structures, drainage, flood defences and ground stabilisation. Relevant sections were done in conjunction with Malcolm Price BSc MSc CEng MICE.



BASIS OF INFORMATION

Paragraphs 234 to Camden geological, hydrogeological and hydrological study. Guidance for subterranean development states: "..... obtain information appropriate to the potential impacts of the proposed basement".

The proposed development (in terms of subterranean development) can only be described as almost non-existent. The amount of groundworks required are no more than might be encountered on a relatively minor gardening project. Impacts on soil, land use, water quality and hydrology are so minimal as to be unquantifiable (the amount of excavation is approximately 5% of that of a basement). Excavation depths are likely to just extend beyond the depth of topsoil.

This screening document is prepared on the above basis.

1. Characteristics of the Project.

- 1.1. The existing building is an existing semi-detached house of conventional construction. It is proposed to sub-divide the property. As part of this it is proposed to extend an existing courtyard bounded by a 0.9m high retaining wall outwards (at the same depth) by an average of 2.5m.
- 1.2. Appendix A shows the boundary of the development.
- 1.3. Appendix B shows the physical form of the development relating to the extended courtyard.



- 1.3.1. Demolition of the existing retaining wall will take 1 day.
- 1.3.2. Pouring of the new retaining wall foundation will take 1 hour. The following day the hollow block wall will be constructed (one day). The next day the hollow blocks will be filled with concrete (2 hours).
- 1.3.3. Total construction time (from start to finish) will be approximately 4 days.
- 1.3.4. The extent of this project is so small that mitigation measures are not particularly relevant.

2. Location of the project.

2.1. Appendix C includes maps and photographs of the project relative to surrounding buildings, topography, material and man-made features.

3. Characteristics of the potential Impact.

- 3.1. The nature of scale of impacts in negligible (no excavations will extend below any existing footings, either of the subject building or its adjoining neighbour).
- 3.2. Permeable surfacing will be utilised so as not to increase impervious surfaces,

4. Groundwater Flow.

- 4.1a Is the site located directly above an aquifer?
 - No, see Appendix D.
- 4.1b Will the proposed basement extend beneath the water table surface?No, the proposed lowering will not extend below the existing yard level.
- 4.2. Is the proposed basement within 100m of a:

Watercourse?



No - see Appendix Ei

Spring?

No - see Appendix Eii

Wells?

No - see Appendix Eiii.

4.3. Is the site within the catchment of the pond designs on Hampstead Heath?

No - see Appendix F

4.4. Will the proposed basement development result in a change of proportion of land surface/paved area?

No, permeable surfacing will be utilised.

4.5. As part of the site drainage, will more surface water than at present be discharged to the ground?

No - permeable surfacing will be utilised.

4.6. Is the lowest point of any excavation close to, or lower than, the mean water level in any local pond or spring line?

No - see Appendix G

5. Land Stability.

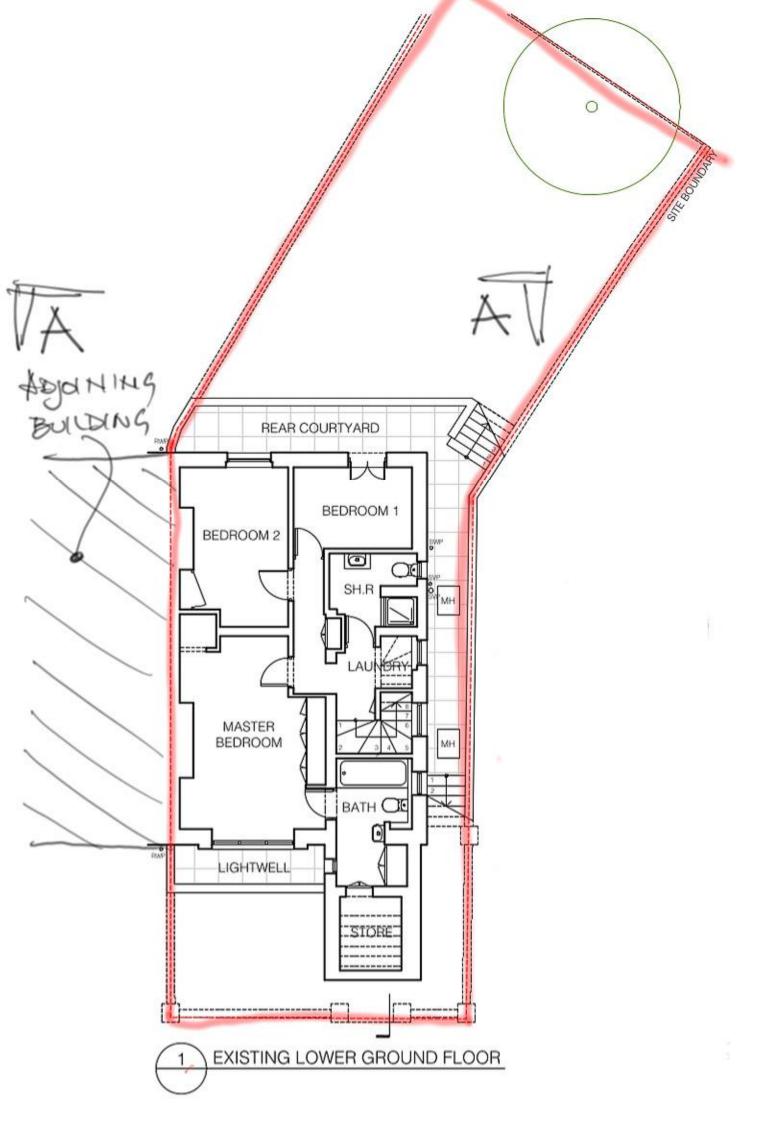
5.1. In light of paragraph 234:- The land is almost completely flat. The 0.9m deep excavations at this development will not have any effect on any macro topographical features (See Appendix Hi). On a micro level, the proposed excavation will not extend beneath the footings of any adjacent property. (See Appendix Hii).

6. Surface Flow and Flooding.

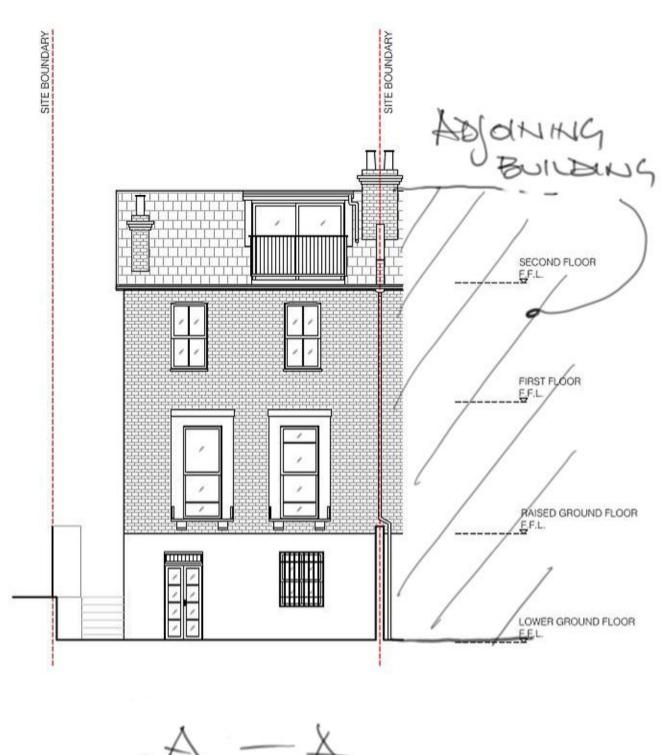


- 6.1. Is the site within the catchment of the pond chains on Hampstead Heath?No see Appendix F.
- 6.2. As part of the proposed site drawings will surface water flows be materially changed from the existing route?
 - No there is no material change in layout in this regard.
- 6.3. Will the proposed based development result in a change in the proportion of hard surface/paved external areas?
 - No permeable surfaces will be provided.
- 6.4. Will the proposed basement result in change to the profile of the inflows of surface water being received by adjacent properties or downstream watercourses.
 - No there is no basement and the relocation of the retaining wall will not alter any inflows.

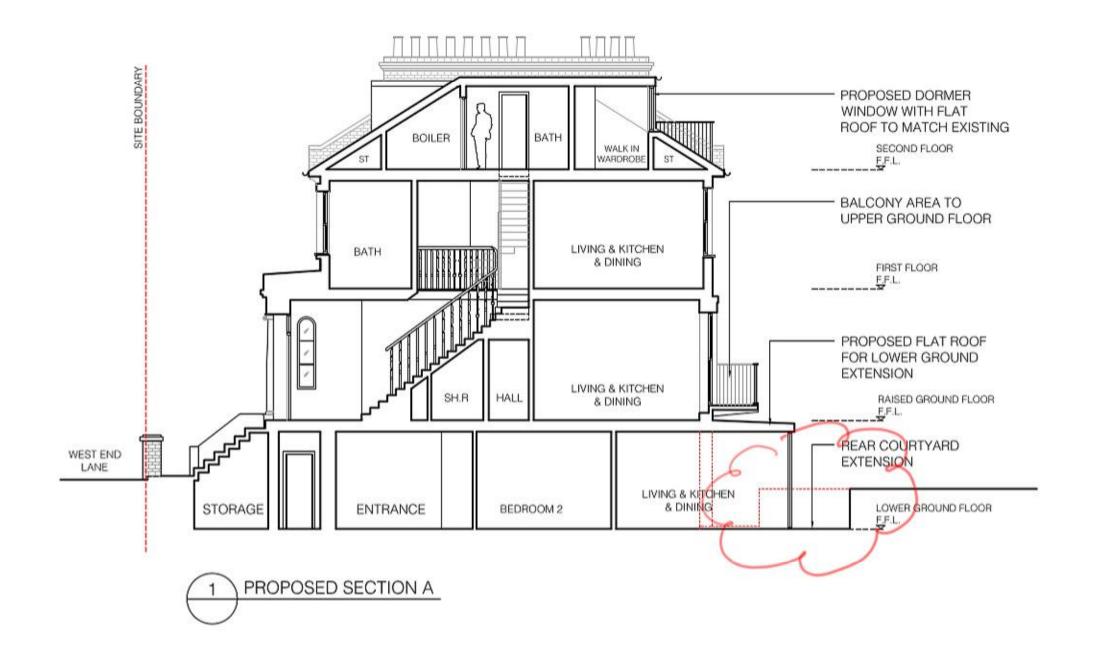
APPENDIX A



APPENDIX A.



APPENDIX B



Nick Baker **Architects**

----- TO BE DEMOLISHED

PRELIMINARY 26 WEL

26 West End Lane ,NW6 4PA. London

Proposed section.

5cale 0000 <1:100@A3> <22.01.016>

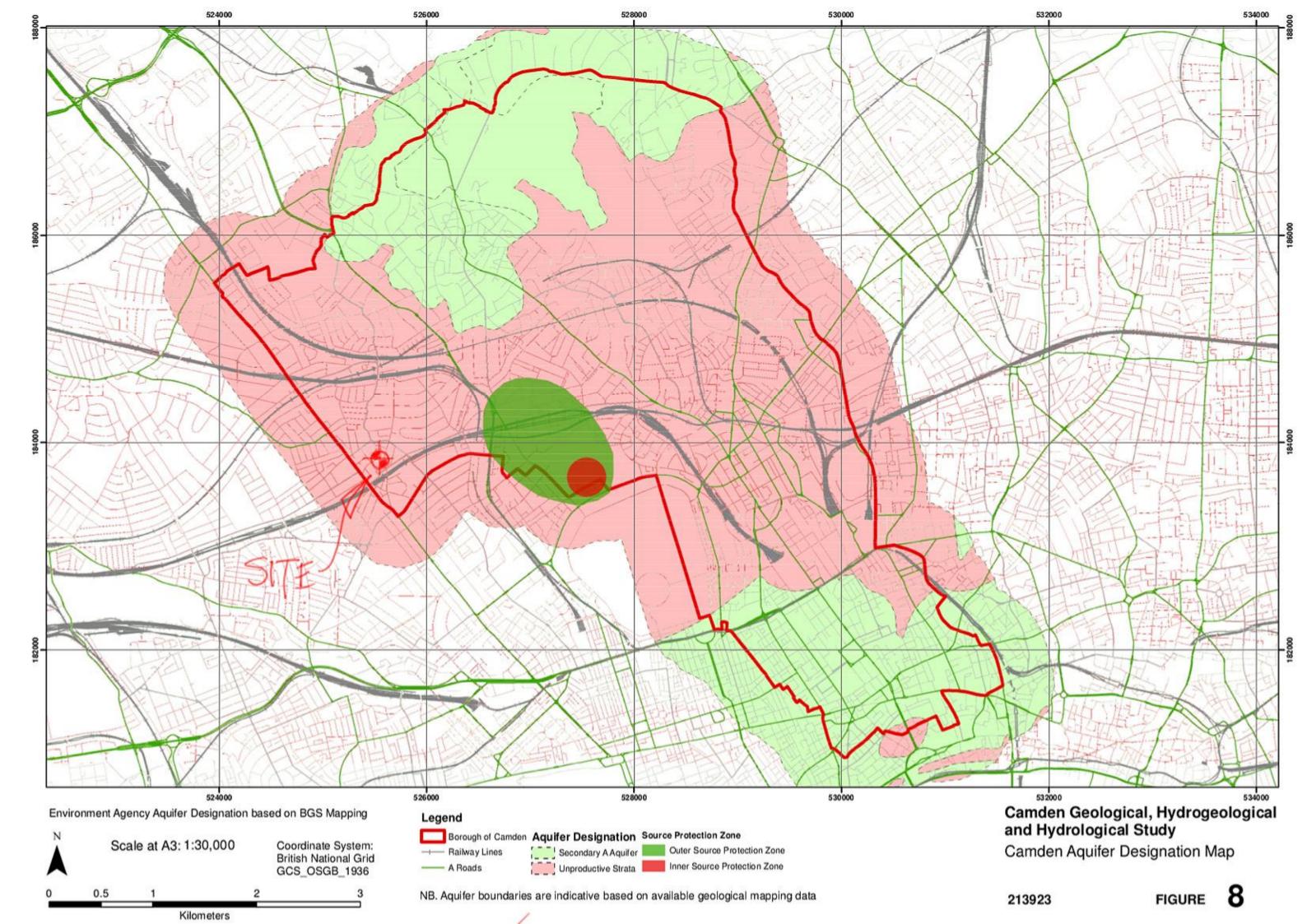
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APPENDIX C

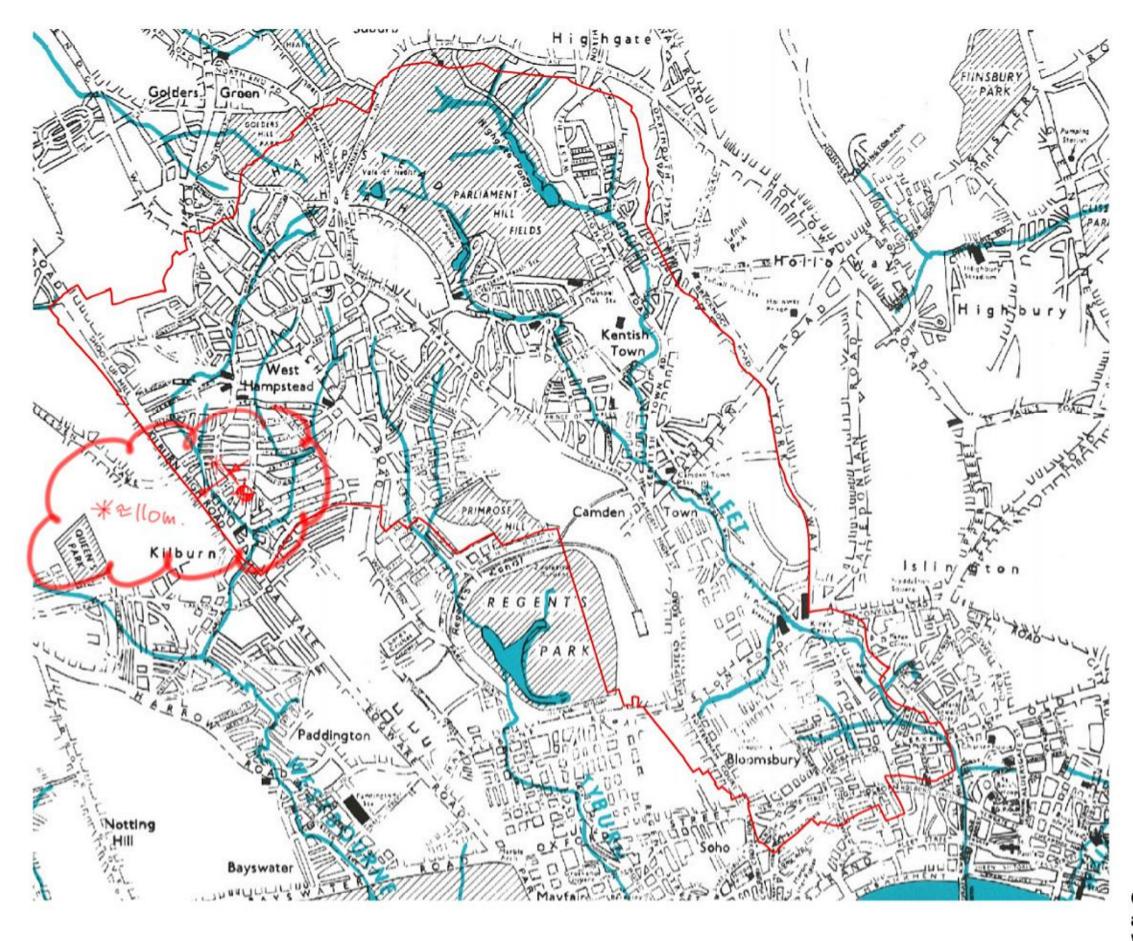
See also Appendices A and B



APPENDIX D

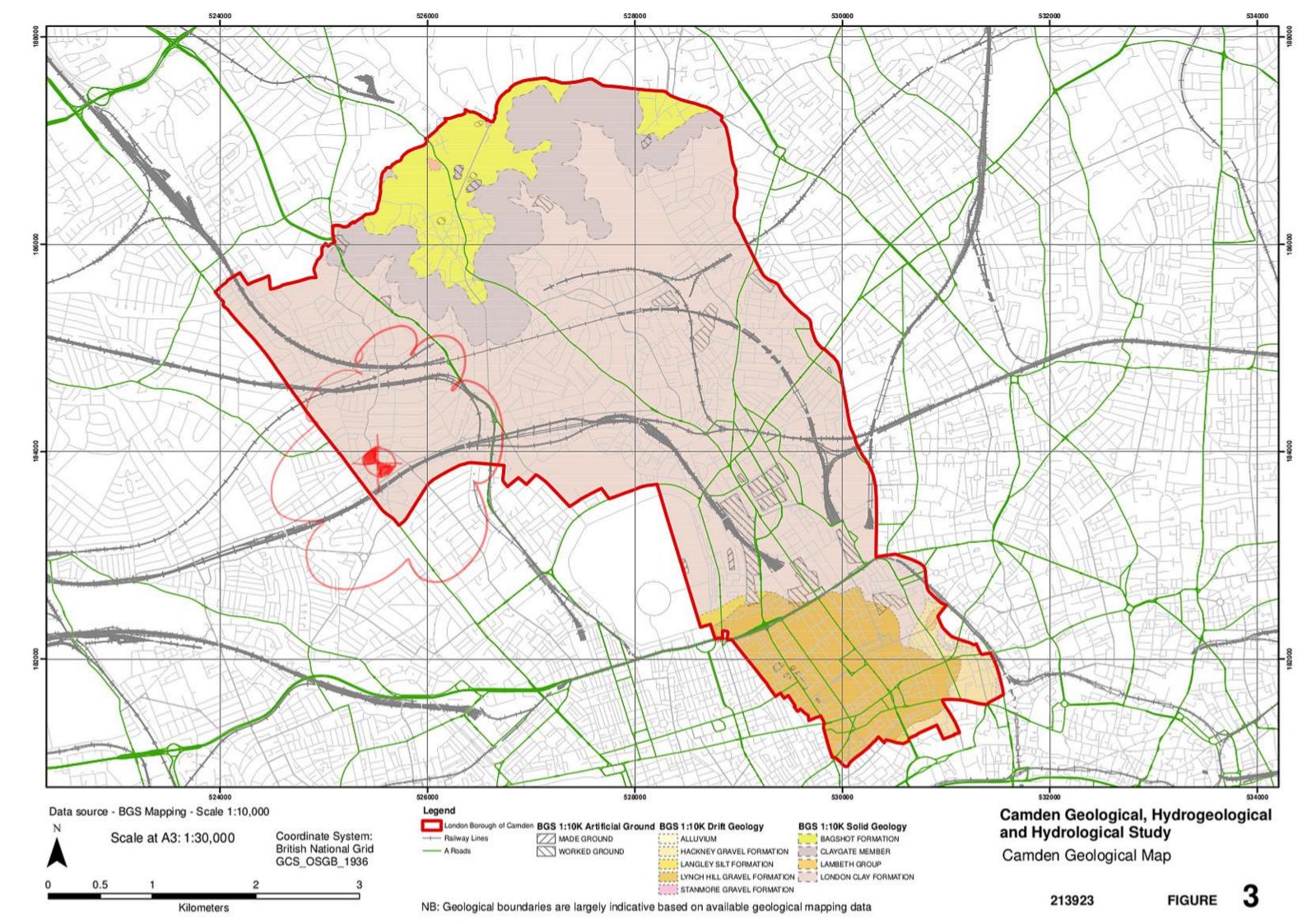


APPENDIX Ei

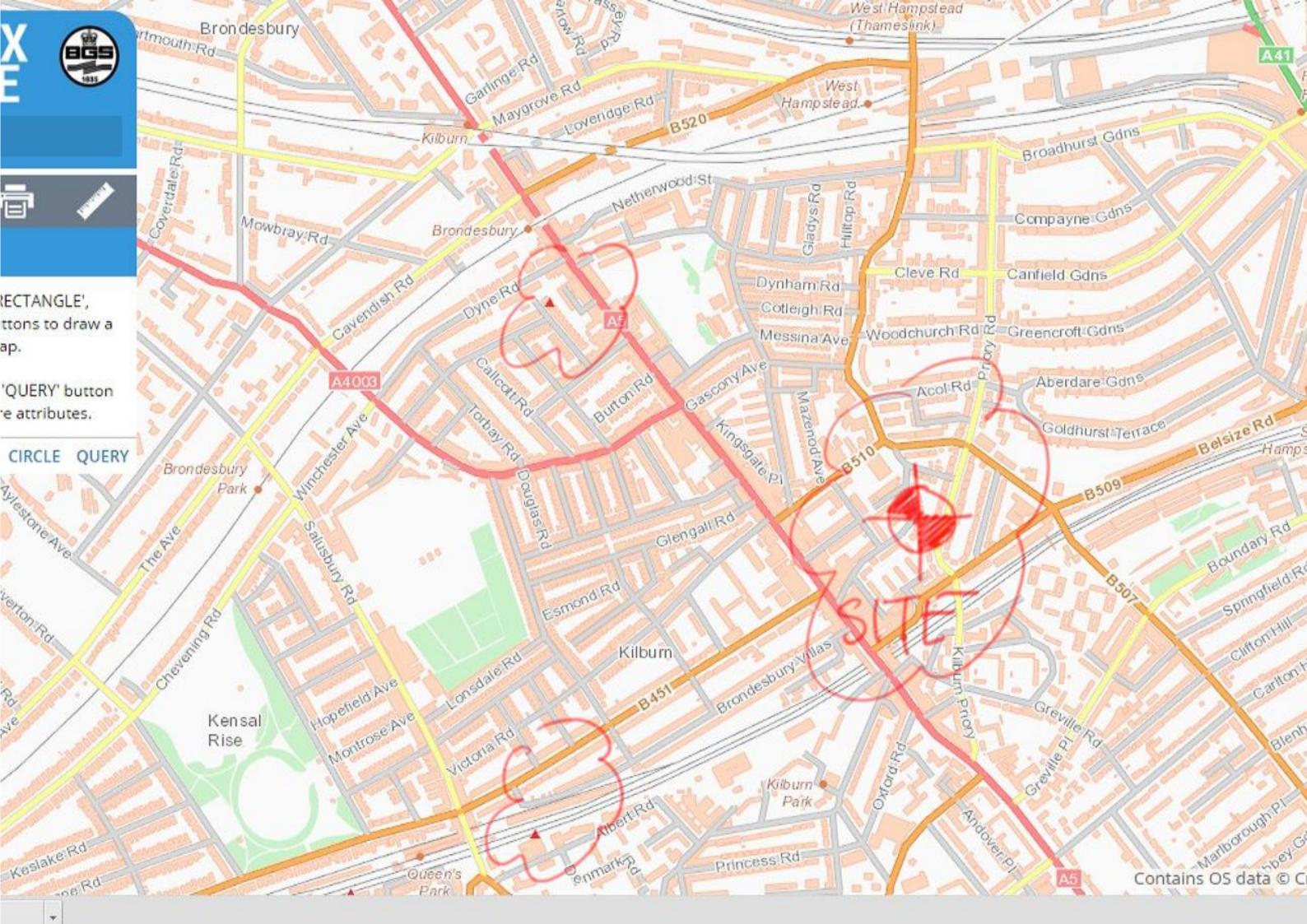


Camden Geological, Hydrogeological and Hydrological Study Watercourses

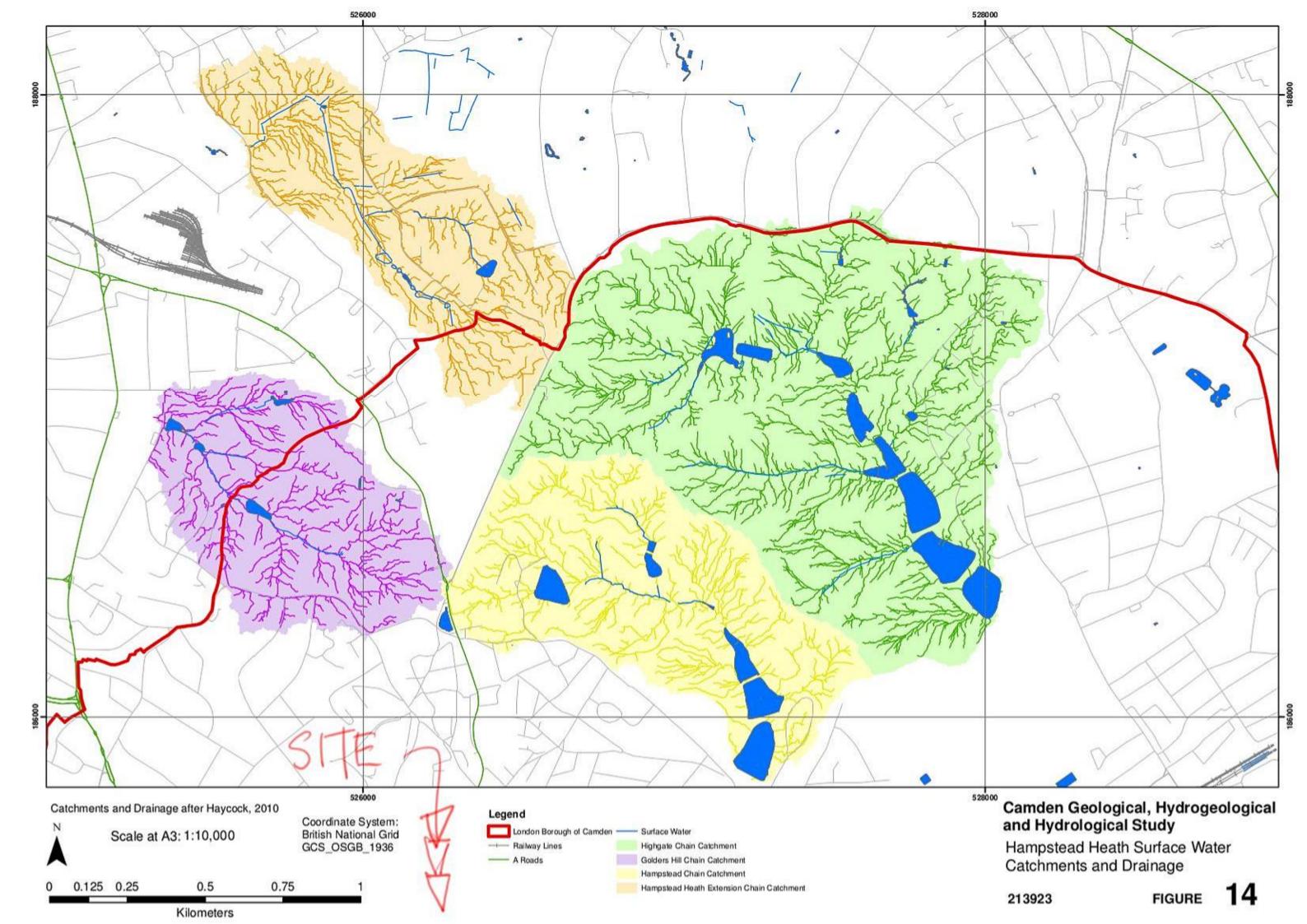
APPENDIX Eii



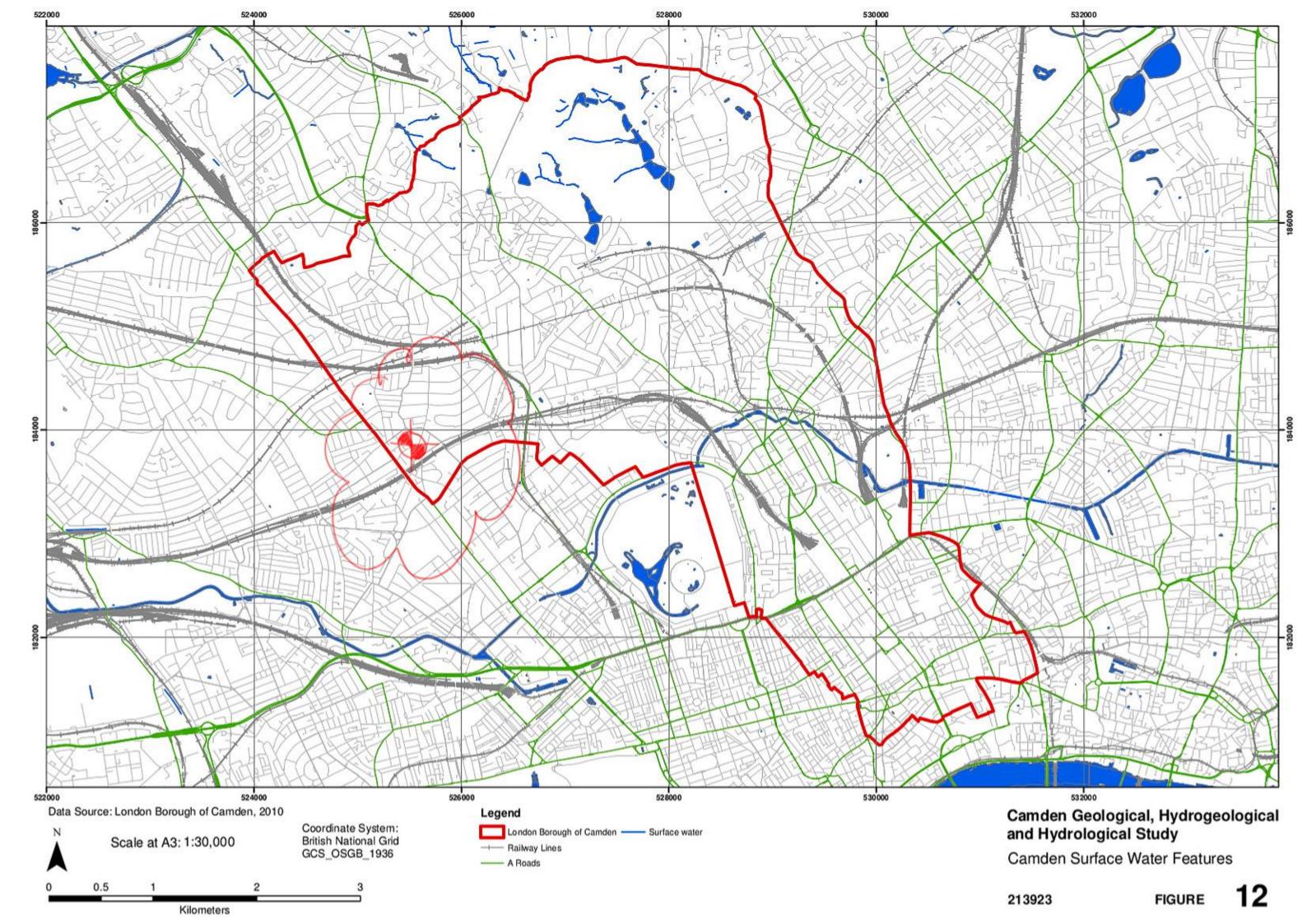
APPENDIX Eiii



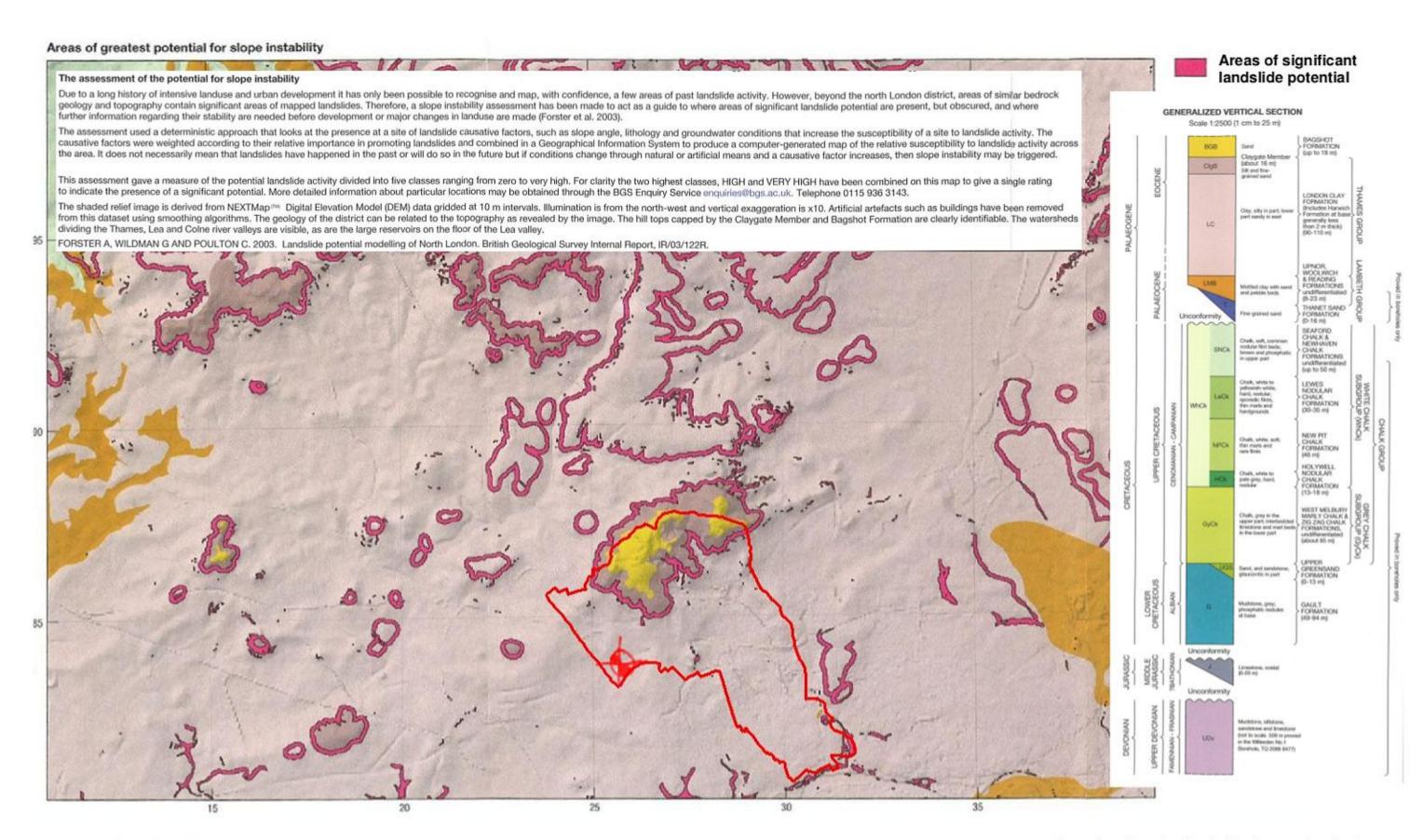
APPENDIX F



APPENDIX G



APPENDIX Hi



Source - British Geological Society, 1:50,000 Series England and Wales Sheet 256 – North London

Camden Geological, Hydrogeological and Hydrological Study Areas of landslide potential

213923 FIGURE **17**

APPENDIX Hii

