

TABLE 1				
DDA Project 1343 - 41 Howitt Road				
Technical issues in the Chelmer (CGL) response July 2015				
Item	GCL Ref	Topic	Response input	Topic Resolved: ✓ Topic Not Resolved: ✗
1	2.1.3 2.2.19 2.2.20 2.2.21	Damage to neighbouring properties	The assessment follows CIRIA guidelines. Burland category of damage 2 is acceptable, as per Section 2.31 of Camden Planning Guidance "CPG4 Basements and lightwells" Document. Also verified by Mr. Alex McDougall (Camden Senior Planning Officer), in December 2014, over a telephone conversation.	✓
2	2.2.3	DDA qualifications	Qualifications required fully met in DDA BIA Revision D Report: <u>Surface flow and flooding</u> : 'a hydrologist or civil engineer specialising in flood risk management and surface water drainage ' <u>Land stability</u> : Chartered Engineer 'specialising in ground engineering' or a 'geotechnical specialist' or 'with some proof of expertise in engineering geology' and demonstration of land stability must be undertaken 'with demonstrable evidence that the assessments have been made by them in conjunction with an Engineering Geologist (CGeol) <u>Groundwater flow</u> : Hydrogeologist with "CGeol" Chartered Geologist See DDA BIA Revised Report: Section 0.4-page 12	✓
3	2.2.4, 2.2.6 2.2.11	Extent of underpinning to neighbours	Basement under no. 43 is partial so need to underpin the remainder of the length of wall 41/43. DDA drawings revised. See DDA BIA Revised Report, Appendices 2 and 5.	✓
4	2.2.5	Justification of all responses in Scoping	All answers justified. See DDA BIA Revised Report: Section 1-pages 20-24	✓
5	2.2.7 2.2.18	Groundwater levels	1. Rising head permeability test complete, as per CGL recommendation. See DDA BIA Revised Report: Section 1.4-page 25 and BIA Revised Report, Appendix 9. 2. Basement to be designed as tanked. See DDA BIA Revised Report: Appendix 2.	✓
6	2.2.9 2.2.13	Groundwater flow	Thames Water to be contacted so as to receive information regarding foul and water system in the area.	✓
7	2.2.12 3.2.4	Arboricultural Impact Assessment	See DDA BIA Revised Report: Appendix 6	✓
8	2.2.12	Services survey	The electricity and gas intakes were found under the floor where Trial Pit 2 was dug (the meters are on the wall immediately outside). The sewer was also located underground (2.7 metres down) by the hand auger for the borehole. Sewer and services locations to the Trial Pit drawing. Copy attached, dwg. no. 1308.22a.	✓

			See DDA BIA Revised Report: Section 2.2-page 27	
9	2.2.14 3.1.2	Borehole / trialpits	Trialpits dug. See attached document. See DDA BIA Revised Report: Section 4.0-page 30.	✓
10	2.2.15	Clay cohesion value from Albury	See DDA BIA Revised Report: Appendix 8 (Letter from Albury)	✓
11	2.2.17	Risks of groundworks	DDA understand the risks inherent in underpinning schemes for residential basements: See DDA BIA Revised Report: pages 8, 9 and 33.	✓
12	2.2.22	Retaining wall design	See DDA BIA Revised Report: Appendix 5	✓
13	2.2.23	DDA Drawings	Retaining wall matches thickness of wall over. See DDA BIA Revised Report: Appendix 2 (Drawings 1343-010, 1343-011)	✓
14	2.3.1	Previous damage	See note in DDA BIA Revised Report: Section 1.2-page 22	✓
15	3.1.3 2 nd bullet	LBC's Development Policy DP27	See DDA Report pages where linkage to DP27. See DDA BIA Revised Report: Page 3, Section 0.3-page 11, Section 3.0-page 29, Section 4.2, page 32, Section 5.0-page 36	✓
16	3.3.2 2 nd bullet	Construction measures	DDA advised and client agreed that a Ground Engineering professional specialist is to be separately appointed once planning permission received. See DDA BIA Revised Report: Section 4.0-page 30.	✓

TABLE 2				
DDA Project 1343 - 41 Howitt Road				
Technical issues in the Chelmer (CGL) response February 2015				
Item	GCL Ref	Topic	Response input	Topic Resolved: ✓ Topic Not Resolved: ✗
1	2.1.3	Camden Requirements on maximum Burland Category	As noted in item 2 in table 1 above	✓
2	2.2.3 3.1.3 4.1.2	DDA qualifications	As noted in item 2 in table above	✓
3	2.2.4 3.2.2 4.1.6	Site inspection	Please see BIA Revised Report: Section 0.2-pages 5-10	✓
4	2.2.4.1	Comment on design	Design Reviewed as noted	✓
5	2.2.4.2	Comment in use of underpinning	Design Reviewed as noted	✓
6	2.2.4.3	Consideration of impact on subterranean flows in correct report section	Please see BIA Revised Report: Section 0.9-page 13	✓
7	2.2.4.4	Misidentification of site Location on Camden map	Please see BIA Revised Report: Figure 6-page 18	✓
8	2.2.5 3.1.3	Justification required for every negative replies in Screening Stage	As noted in item 2 in table above	✓
9	2.2.6	Identification of any changes to surface run-off discharged to the ground	Please see BIA Revised Report: Section 1.1-page 20, Section 2.1-page 26	✓
10	2.2.6	Ground make out	Please see BIA Revised Report: Section 3.0-pages 29 and Appendix 3	✓
11	2.2.6 3.2.4	Trees being felled or not	Please see BIA Revised Report: Section 1.2-page 21, Section 2.2-page 26	✓

12	2.2.6	Exclusion zone of any tunnels etc	Please see BIA Revised Report: Section 1.2-page 22, Section 2.2-page 27	✓
13	2.2.7	Main sewer system	As Item 6 in Table 1 above	✓
14	2.2.7	Differential depth between foundations	Please see BIA Revised Report: Section 0.3-page 11	✓
15	2.2.8 2.2.9 3.1.2 3.2.3 4.1.3	Comments on Ground Investigation	See DDA BIA Revised Report: Appendix 8 (Letter from Albury)	✓
16	2.2.11 2.2.12	Basement Impact Assessment extent of analysis	Please see BIA Revised Report: Section 4.0-pages 30-33	✓
17	2.2.13 3.1.3	Calculations of predicted ground movement	Please see BIA Revised Report: Section 4.3-pages 33-35	✓
18	2.2.14 4.1.4	Mitigation and monitoring measures	Please see BIA Revised Report: Section 4.0-pages 30-33	✓
19	2.2.15	Preliminary retaining wall design	See DDA BIA Revised Report: Appendix 5	✓
20	2.2.16	DDA drawings stem thickness	As Item 13 in Table 1 above	✓
21	2.3.1 4.1	Technical Evidence from objectors	As item 14 in Table 1 above	✓
22	3.1.3 3.1.4	LBC's Development Policy DP27	As item 15 in Table 1 above	✓
23	3.1.3	No Technical Summaries for Stages 2 and 3	Please see BIA Revised Report: Section 2.4-page 28 and Section 3.1, page 29	✓
24	3.3.2 1 st and 2 nd bullet 3.2.4	Contractor's method statement and temporary works	Please see BIA Revised Report: Section 4.0-pages 30-33	✓
25	3.3.2 3 rd bullet	Construction measures	As item 16 in Table 1 above	✓
26	4.1.3	Structural Engineering design-Parameters used	See DDA BIA Revised Report: Appendix 5	✓