

CGL_09528 – The Network Building: LBC Comment Tracker – Scheme RM01 (Office Scheme)

Comment Ref	Date Received	LBC Comment Subject	LBC BIA Query	CGL Comment	Response Date	Status
1	15/04/2021	Stability	<p>Additional information shall be provided to support the suggested by the GMA reduction of the anticipated ground movements due to wall installation or a sensitivity analysis be undertaken using CIRIA C760 curves – Audit Section 4.18.</p> <p><u>Additional comments:</u> Specify what ‘control measures’ could be adopted to control ground movements during pile installation? CIRIA C760’s ground movement curves do not support the views expressed in the ‘MSc Thesis’ referenced. Additional information (ground conditions, type of wall, pile length, monitoring data available etc) shall be provided for the CGL case study referenced with the note that if the information is confidential then any project specific data could remain confidential (such as exact site location, client).</p>	<p>A brief review of pile installation case studies in which CGL has been directly involved is presented with this comment tracker. For confidentiality reasons, the projects have been anonymised and the data presented is limited.</p> <p>In this worksheet, installation movements are evaluated for four basement development projects with similar ground conditions in central London.</p> <p>Monitored installations movements for these projects have been found to record displacements consistent with 0.02% of installed pile lengths, which is in turn consistent with much of the data reported within CIRIA C760.</p> <p>Consequently, the assumption made in the Preliminary Basement Impact Assessment Report with regards to installation movements being 0.02% of the pile lengths is considered reasonable and moderately conservative.</p>		Open
2	10/02/2021	Stability	Construction sequence to include enabling works and temporary works required to achieve pile platform level and support external ground levels – Audit Section 4.19.		03/03/2021	Closed
3	10/02/2021	Stability	A clarification is required regarding the validity of the GMA given the construction sequence starts at 27mOD while some surrounding areas are at c.28mOD – Audit Section 4.19.		03/03/2021	Closed
4	15/04/2021	Stability	The basement layout considered in Figure 2 of the GMA is of a smaller extent to the current proposal. A clarification is required - Audit Section 4.19.	Figure 2 has been updated to match the proposed basement area as indicated in Figure 6 and the		Open

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				structural drawings presented in Appendix A and is included in the revised report.		
5	15/04/2021	Stability	Convergence error messages in Wallap analysis shall be clarified/amended - Audit Section 4.19. <u>Additional comments:</u> An updated GMA/Geotechnical BIA shall be provided to clarify the issue.	Convergence error amended with no impact on predicted displacements. New outputs included in the revised report.		Open
6	15/04/2021	Stability	Contradictory information about the ratio L/H considered for Qube building in the GMA shall be clarified - Audit Section 4.19. <u>Additional comments:</u> An updated GMA/Geotechnical BIA shall be provided to clarify the issue.	Figure 19 updated accordingly and included in the revised report.		Open
7	10/02/2021	Stability	The proposed Observation Method shall be clarified. The ground movement trigger values shall be informed by the GMA - Audit Section 4.21.		03/03/2021	Closed
8	10/02/2021	Stability	Monitoring during the demolition and enabling works stages is requested to be added in the monitoring strategy – Audit Section 4.22.		03/03/2021	Closed
9	15/04/2021	Stability	Inconsistencies encountered in the proposed basement plan and wall sections attached to the Geotechnical BIA shall be amended – Audit Section 4.23. <u>Additional comments:</u> An updated Geotechnical BIA shall be provided to clarify the issue.	Proposed basement plan and wall sections have been incorporated as Appendix A in the revised report.		Open
10	10/02/2021	Stability	An impact assessment on third parties assets (LUL, Thames Water etc.) will be required in accordance with the respective asset owner’s policies – Audit Section 4.9.			N/A