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## **Project: Plot 11 First St South, Manchester**

6 Alpha has completed a review of the Detailed Unexploded Ordnance (UXO) Threat & Risk Assessment desktop study report associated to the subject matter Project (6 Alpha Reference P4938 released 23<sup>rd</sup> November 2015), given that several years have passed since that was originally drafted and released and during which internal research and writing procedures and processes have been improved and adapted to account for new information.

When assessing the report, the primary UXO threat identified, which was driving the medium/high risk rating, was the identification of an Incendiary Bomb (IB) strike on site. Given that there was widescale clearance of the site immediately after the war (most likely of slum areas) combined with the very minimal, if at all, expected penetration into the ground of IBs, 6 Alpha assesses the risk presented from this threat source as being low and therefore at ALARP (As Low As Reasonably Practicable).

When looking beyond that threat source to consider High Explosive (HE) bomb strikes, the air raid precaution (ARP) records and mapping for this area are very comprehensive and given the distance from the nearest known and recorded HE bomb strike to the site, we do not conclude this threat source increases the risk to proposed works. As such, we feel it prudent to inform you that the implementation of on-site proactive UXO risk mitigation measures (RMM) is going beyond the ALARP principle and not necessarily required.

We do however recommend that reactive UXO RMM are applied. These comprise on-site or virtual UXO Safety and Awareness Briefing to all workers involved in intrusive works, drafting of an Operational UXO Emergency Response Plan (ERP) to be held on site in the Health and Safety (H&S) file throughout the Project duration, and that throughout intrusive groundworks, an on-call Explosive Ordnance Disposal Engineer (EODE) service is in place to respond to an encounter with a suspicious item that may be UXO in the event that such an incident occurs.

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