



Spear Street

Landmark Order No: 373271642_1

Client Reference: 6178 VSE

Preliminary Unexploded Ordnance (UXO) Threat Assessment

Meeting the requirements of the UK's
Construction Industry Research and Information Association's UXO Risk Management Framework
"Unexploded Ordnance (UXO) – A Guide for the Construction Industry" (C681)

Landmark Information Group in partnership with 6 Alpha Associates Ltd

Project No.: 11814

31st March 2025

V1.0

Using This Report

This Preliminary Threat Assessment is designed to inform the reader whether military related Unexploded Ordnance (UXO) is likely to pose a hazard at the Study Site. The assessment is intended as a site-screening tool to meet with the requirement of Stage 1 of the *Health and Safety Executive* endorsed *CIRIA C681 UXO Risk Management Framework* – for which *6 Alpha* were the lead technical author. Whilst the term “Risk” can be justifiably used at this stage, the reader should note that the “Consequence” function of “Risk” is not considered.

There are two prospective outcomes of this report; either the threat level requires a Detailed Threat and Risk Assessment with Risk Mitigation Strategy (Stages 2 and 3 of the *CIRIA C681* framework); or no further action is required.

Two figures accompany the report, the first is the Site Boundary which clearly depicts the area covered by this assessment and the second is the Probability of UXO Encounter at the Study Site. The latter will illustrate any variance in the probability of encountering UXO throughout the Study Site.

Document Control

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Document Scope

In partnership with the *Landmark Information Group*, *6 Alpha Associates Limited* (6 Alpha) has been commissioned to provide a UXO Threat Assessment for the Site described as “61-63, Spear Street, Manchester, M1 1DF”, which is centred on *National Grid Reference* 384596, 398556.

Key Findings

During WWII, the Study Site was situated within *Manchester County Borough*, which recorded six HE bomb strikes per 100 hectares; categorised as a “very low” level of bombing.

Luftwaffe aerial reconnaissance photography and mapping identified multiple primary bombing targets within 1,000m of the Study Site boundary, with the closest being the *Oldham Road Goods Station and Warehouses* (located 390m to the north-east).

Air Raid Precaution (ARP) records did not identify any HE bomb strikes on-site. Nonetheless, five HE bomb strikes were recorded within 820m of the Study Site, the closest of which was located 400m to the south-west. Similarly, 146 incendiary bombs (IBs) were documented within a 1,000m radius of the Study Site boundary, with the closest impacting 10m to the south-south-east.

Manchester Corporation bomb damage mapping did not record any damage to structures on-site. Nonetheless, “*Demolished Buildings*” were documented at *Foundry Lane* (located 130m north) and near to *Dale Street* (located 170m south-west). Extensive archival research similarly identified bomb damage to the *Smithfield Market* (located 140m to the north-west at its closest point), whilst an analysis of post-wartime mapping identified a ‘*Ruin*’ located 215m to the south-east –which is likely to be indicative of WWII-era bomb damage.

An analysis of pertinent historical records supplemented with further *6 Alpha* research did not identify any evidence of significant military activity within 1,000m of the Study Site.

Therefore, *6 Alpha* considers the most likely UXO threat at this Study Site are WWII *German* HE bombs and IBs, whilst *British* AAA projectiles may pose a residual threat.

Recommendations

Given that WWII-era bombing and bomb damage were recorded in close proximity, *6 Alpha* considers it reasonably foreseeable that a UXO contamination threat might have been generated at this Study Site. Consequently, and in accordance with *CIRIA* C681 Chapter 5 on managing UXO risks, *6 Alpha* recommends that the next step in managing the prospective UXO risk at this Study Site is:

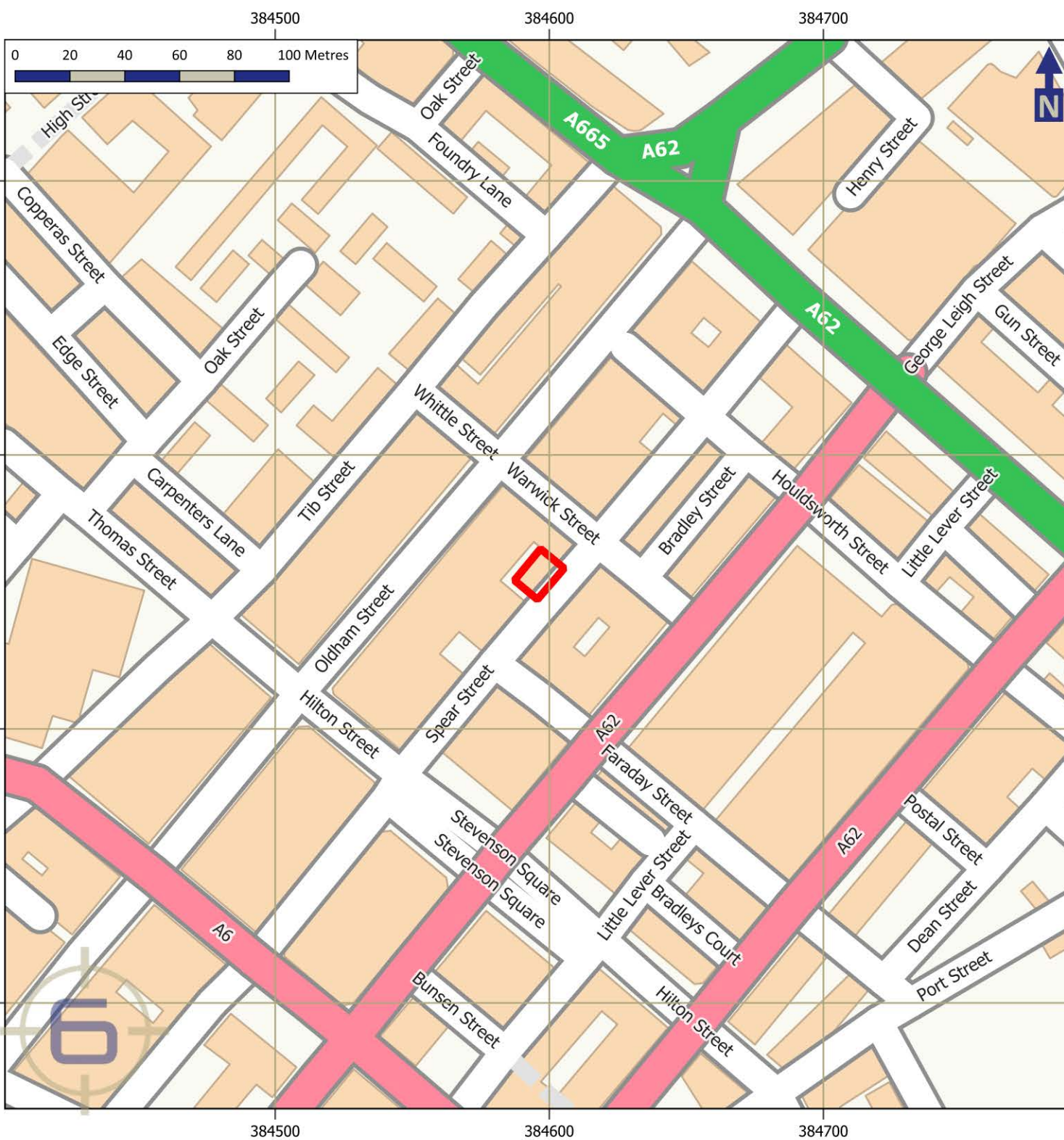
DETAILED UXO THREAT AND RISK ASSESSMENT

Please contact *Envirocheck* for further details.

Constraints

The report is also constrained by the following factors:

1. The assessment levels have been generated from historical data and third-party sources. Where possible *6 Alpha* have sought to verify the accuracy of such data, but cannot be held accountable for inherent errors that may be in third-party data sets (e.g. *National Archives* or library sources);
 - a. Nonetheless, *6 Alpha* have exercised all reasonable care, skill and due diligence in producing this report;
2. Whilst every effort has been used to identify all potential UXO/explosive threats, there were a number of private facilities which may not have released privately recorded information concerning UXO/explosive threats into the public domain;
3. This report is accurate and up to date at the time of writing but cannot account for the release of new information, nor for new evidence concerning the potential for a UXO hazard to exist at this Study Site, which is disclosed after the date of the report's release. Should further evidence of UXO sources be found, or if UXO is found at the Site or nearby in the future, then this assessment for the Study Site is to be reassessed and updated by *6 Alpha*.



Site Boundary



LEGEND

-  Site Boundary



British National Grid

Address

61-63, Spear Street, Manchester, M1 1DF

PROJECT NO.	FIGURE	DRAWN	CHECKED	DATE
11814	1	DB	LG	28/03/2025

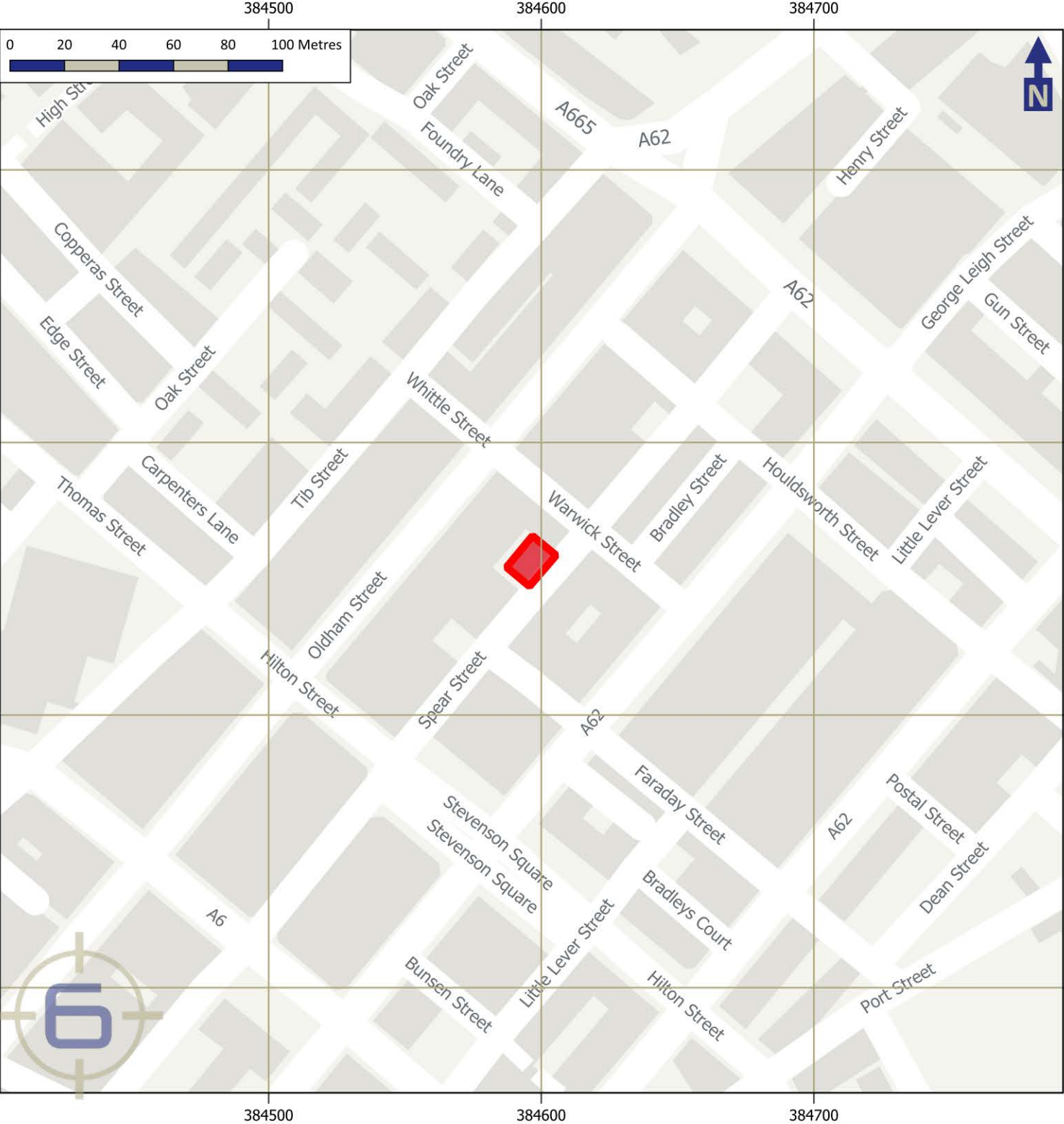


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Probability of UXO Encounter



LEGEND

 Site Boundary

Probability of UXO Encounter

 Likely

 Unlikely



British National Grid

Address

61-63, Spear Street, Manchester, M1 1DF

PROJECT NO.	FIGURE	DRAWN	CHECKED	DATE
11814	2	DB	LG	28/03/2025



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