

Soft Landscaping	3
Description	South-eastern field
Photo(s)	
Soft Landscaping	4
Description	South-western field
Photo(s)	
Soft Landscaping	5
Description	South-western feild
Photo(s)	



Soft Landscaping 6

Description Southern field

Photo(s)



Soft Landscaping 7

Description Southern field

Photo(s)



Soft Landscaping 8

Description Southern field

Photo(s)



Soft Landscaping 9

Description South-eastern field

Photo(s)



Soft Landscaping 10

Description Southeastern field

Photo(s)



Soft Landscaping	11
Description	Eastern field
Photo(s)	
Soft Landscaping	12
Description	Eastern field
Photo(s)	
Soft Landscaping	13
Description	Northern central field
Photo(s)	



Soft Landscaping 14

Description Northern central field

Photo(s)



Soft Landscaping 15

Description Northern central field

Photo(s)



Soft Landscaping 16

Description Northern central field

Photo(s)



Soft Landscaping 17

Description Northern field

Photo(s)



Soft Landscaping 18

Description Northern field

Photo(s)



Soft Landscaping	19
Description	Northern field
Photo(s)	

Soft Landscaping	20
Description	Northern field
Photo(s)	

Overhead Services

1 record

OverheadServices	1
Description	Overhead service through Northern central field
Photo(s)	



Stockpiles

1 record

Stockpiles	1
Description	Compost stockpile c.5m3
Photo(s)	

Evidence of ACMs

1 record

Evidence of ACMs	1
Description	Cladding and roofing in farmyard
Photo(s)	



Drums/Barrels

1 record

Drums/Barrels	1
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Description	Old bowser. Empty barrels
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Photo(s)



Other

1 record

Other	1
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Description	Badger set over original WS15 location
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Photo(s)



Approved By

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## **APPENDIX C**

### **UXO Preliminary Risk Assessment**



# Preliminary Unexploded Ordnance (UXO) Risk Assessment

Project Name	Land Off Turners Hill Road, Crawley Down
Client	Geo-Environmental Services Limited
Site Address	Turners Hill Road, Crawley Down, RH10 4HB
Report Reference	PA19001-00
Date	14 <sup>th</sup> November 2023
Author	WF
Quality Assurance	AT

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## 1ST LINE DEFENCE



### Assessment Objective

This preliminary unexploded ordnance (UXO) risk assessment is a qualitative screening exercise to assess the likely potential of encountering UXO at the Land Off Turners Hill Road, Crawley Down site. The assessment involves the consideration of the basic factors that affect the potential for UXO to be present at a site as outlined in Stage One of the UXO risk management process.

### Background

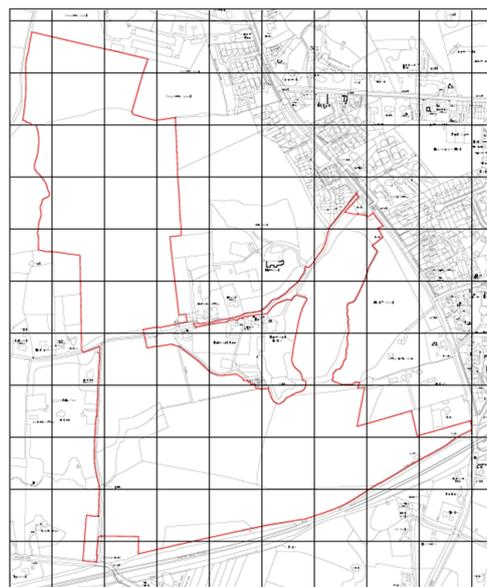
This assessment uses the sources of information available in-house to 1st Line Defence Ltd to enable the placement of a development site in context with events that may have led to the presence of German air-delivered or Allied military UXO. The report will identify any immediate necessity for risk mitigation or additional research in the form of a Detailed UXO Risk Assessment. It makes use of 1st Line Defence's extensive historical archives, library and unique geo-databases, as well as internet resources, and is researched and compiled by UXO specialists and graduate researchers.

The assessment directly follows CIRIA C681 guidelines "Unexploded Ordnance, a Guide for the Construction Industry". The document will therefore assess the following factors:

- Basic Site Data
- Previous Military Use
- Indicators of potential aerial delivered UXO threat
- Consideration of any Mitigating Factors
- Extent of Proposed Intrusive Works
- Any requirement for Further Work

It should be noted that the vast majority of construction sites in the UK will have a low or negligible risk of encountering UXO and should be able to be screened out at this preliminary stage. The report is meant as a common sense 'first step' in the UXO risk management process. The content of the report and conclusions drawn are based on basic, preliminary research using the information available to 1st Line Defence at the time this report was produced. It should be noted that the only way to entirely negate risk from UXO to a project would be to support the works proposed with appropriate UXO risk mitigation measures. It is rarely possible to state that there is absolutely 'no' risk from UXO to a project.

### Site Boundary





Risk Assessment Considerations	
Site location and description/current use	<p>The site is located in a village in West Sussex.</p> <p>According to recent aerial imagery, the site is currently occupied by grass, trees and a road which intersects the site from east to west.</p> <p>The site is bordered to the north by an area of forestry and industrial buildings, to the west by areas of forestry, residential properties, and Turners Hill Road, to the south by Worth Way and to the west by forestry and residential properties.</p> <p>The site is approximately centred on the OS grid reference: <b>TQ 33772 37520</b>.</p>
Are there any indicators of current/historical military activity on/close to the site?	<p>In-house records do not indicate that the site footprint had any former military use at this preliminary stage.</p> <p>According to an in-house geo-data set, a light anti-aircraft gun emplacement was located approximately 250m east of the site. This was armed with a 40mm gun and manned by 124 Light Anti-Aircraft Regiment of 27 Brigade.<sup>1</sup></p> <p>The closest Heavy Anti-Aircraft (HAA) battery was positioned approximately 8.6m north of the site. The range of a fired projectile can be up to 15km. The conditions in which unexploded anti-aircraft ordnance may have fallen unrecorded are generally analogous to that of aerial delivered German bombs.</p>
What was the pre- and post-WWII history of the site?	<p>Pre-WWII OS mapping dated 1910 suggests that the site comprised undeveloped land, areas of forestry, a footpath which intersected the site from east to west, a section of Pescotts Wood in the north and a section of Front Wood in the east. Noticeable surrounding features include uncharacterised buildings, two Lodges and Kiln Wood.</p> <p>Post-WWII OS mapping dated 1957 and 1958 indicates no obvious deviation within the site boundary. In the immediately vicinity, further buildings have been erected.</p>
Was the area subject to bombing during WWII?	<p>During WWII, the site was situated in the Rural District of Cuckfield. According to official Home Office bombing statistics, this district sustained an overall very-low density of bombing with an average of 9.3 items of ordnance dropped per 1,000 acres. This consists of 582 high explosive (HE) bombs, 52 oil bombs, 29 phosphorus bombs, six 'fire pots' and 23 V-1 pilotless aircrafts, totalling 692 recorded incidents across 74,335 acres.</p> <p>Given the size of the site, it has not proven possible to determine if the site was bombed at this preliminary stage.</p>
Is there any evidence of bomb damage on/close to the site?	<p>At this preliminary stage, it has not proven possible to accurately discern any possible bomb damage either on-site or in the wider vicinity owing to the predominantly undeveloped wartime nature of the site.</p> <p>The analysis of WWII-era aerial imagery would be required in order to better determine the exact wartime composition of the site area.</p>
To what degree would the site have been subject to access?	<p>OS mapping shows the site as being predominantly undeveloped during WWII. As such, it is not anticipated that the site was subjected to a frequent level of access or post-raid UXO checks.</p>
To what degree has the site been developed post-WWII?	<p>Post-WWII, the site has remained undeveloped.</p>

<sup>1</sup> [https://www.heritagegateway.org.uk/Gateway/Results\\_Single.aspx?uid=1475213&resourceID=19191](https://www.heritagegateway.org.uk/Gateway/Results_Single.aspx?uid=1475213&resourceID=19191)

What is the nature and extent of the intrusive works proposed?	Proposed works are believed to include a site investigation, which will comprise the instillation of 24 four metre dynamic sampler boreholes on site.
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**Summary and Conclusions**

During WWII, the site was situated in the Rural District of Cuckfield. According to official Home Office bombing statistics, this district sustained an overall very-low density of bombing with an average of 9.3 items of ordnance dropped per 1,000 acres.

Given the size of the site, it has not proven possible to determine if the site was bombed at this preliminary stage.

OS mapping shows the site as being predominantly undeveloped during WWII, meaning a likely limited level of access or post-raid UXO checks during WWII. Infrequent access may increase the likelihood that obvious indicators of UXO, such as entry holes or craters, may have gone unnoticed and unreported.

Due to this anticipated poor wartime access, alongside the large scale of the site footprint, the lack of bombing-related information available at this preliminary stage, and the proximity of the site to a light anti-aircraft gun emplacement, the possibility of on-site UXO contamination cannot currently be confidently discounted at this stage.

**Recommendations**

Given the findings of this preliminary report, it is recommended that **further research** is undertaken in the form of a **Detailed UXO Risk Assessment**. This is recommended in order to better assess the wartime conditions within the proposed area of works and to better determine the locations and effects of bombing incidents across the site's locality. This would allow for a more comprehensive analysis of the risk of UXO on site.

Further research would involve the analysis of any available written local bombing records, WWII-era aerial photography and other archival material. If it can be proven that the site was unaffected by bombing, the risk on site from UXO could be negated with further desktop research.

**Prior to or in lieu of a Detailed Assessment, it is recommended that appropriate UXO Risk Mitigation Measures are provided for intrusive works proposed.**

If the client has any anecdotal or empirical evidence of UXO risk on site, please contact 1st Line Defence.

This report has been prepared by 1st Line Defence Limited with all reasonable care and skill. The report contains historical data and information from third party sources. 1st Line Defence Limited has sought to verify the accuracy and comprehensiveness of this information where possible but cannot be held accountable for any inherent errors. Furthermore, whilst every reasonable effort has been made to locate and access all relevant historical information, 1st Line Defence cannot be held responsible for any changes to risk level or mitigation recommendations resulting from documentation or other information which may come to light at a later date.

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