

1ST LINE DEFENCE

UXO SOLUTIONS



Report on Unexploded Ordnance (UXO) Specialist Site Support

Project Name	Great Ducie Street, Manchester		
Client	Willmott Dixon Ltd		
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1ST LINE DEFENCE

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Distribution

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Annexes

List of Report Annexes	
Annex A	Site Location Maps
Annex B	Recent Aerial Photography of Site Area
Annex C	Site Plan

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Report on Unexploded Ordnance (UXO) Specialist Site Support

Site: Great Ducie Street, Manchester
Client: Willmott Dixon Ltd

1. Introduction

1.1. Background to Work

Willmott Dixon Ltd commissioned 1st Line Defence Ltd to provide UXO Specialist Watch and Brief Support to planned shallow excavation works at Great Ducie Street, Manchester on 5th March - 13th May 2020.

A third party report was carried out which concluded that there is a medium risk from UXO across the site. As a consequence, Willmott Dixon Ltd appointed 1st Line Defence to provide risk mitigation services.

1.2. Site Location

The site is located in central Manchester; approximately 150m north of Manchester Victoria Station. The site is bounded by areas of hardstanding & car parks to the north and east, by A6042 Ring Road to the south and by Great Ducie Street to the west.

The site is centred on the approximate OS grid reference: **SJ 83816 99200**

Site Location maps, a recent aerial photograph of the site area and a site plan are presented in **Annex A, B and C** respectively.

1.3. Aim

The aims of a UXO Specialist being present at Great Ducie Street site were to:

- I. Carry out UXO Awareness Briefings. The briefings included:
 1. Nature of likely explosive ordnance on the site.
 2. Basic ordnance recognition training.
 3. What to do if a suspicious item is encountered.

UXO Support – Open Excavation Operation Support

1.4. Support Methodology

UXO Awareness briefings were provided to all relevant ground personnel as agreed with the Client.

Where practical and safe, the UXO Supervisor/Specialist was in close proximity to the intrusive works. He observed the excavations and was in a position to react to and either stop the works or respond to a request for assistance by a ground worker.

If it was found not to be practical or safe to observe the intrusive works, the UXO Supervisor/Specialist was on-call and immediately available to respond to a request for assistance.

1.5. Permit to Excavate and Service Clearance

The client carried out service clearance and issued Permits to Work.

1.6. Watch and Brief

The support was carried out on 5th March - 13th May 2020.

The following UXO Specialist was in attendance:

Date of Site Attendance	UXO Specialist
5 th March – 13 th May 2020	Gary Inkersole

UXO Safety and Awareness Briefings were given to all relevant site operatives to make them aware of the potential risks, what to look out for and the actions to take should any suspicious objects be encountered.

1.7. Variations

There were no variations to the works carried out on site.

2. Summary of UXO Specialist Site Support

UXO Watch and Brief operations at Great Ducie Street site between the 5th March and 13th May 2020 were supported/supervised by a 1st Line Defence UXO Supervisor with no anomalies were encountered on any of the exploratory locations.

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28th October 2021

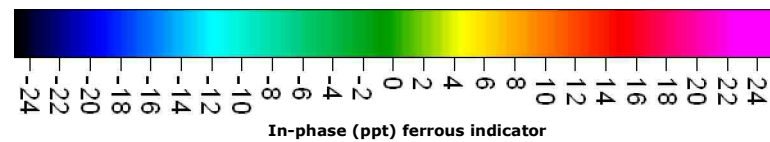
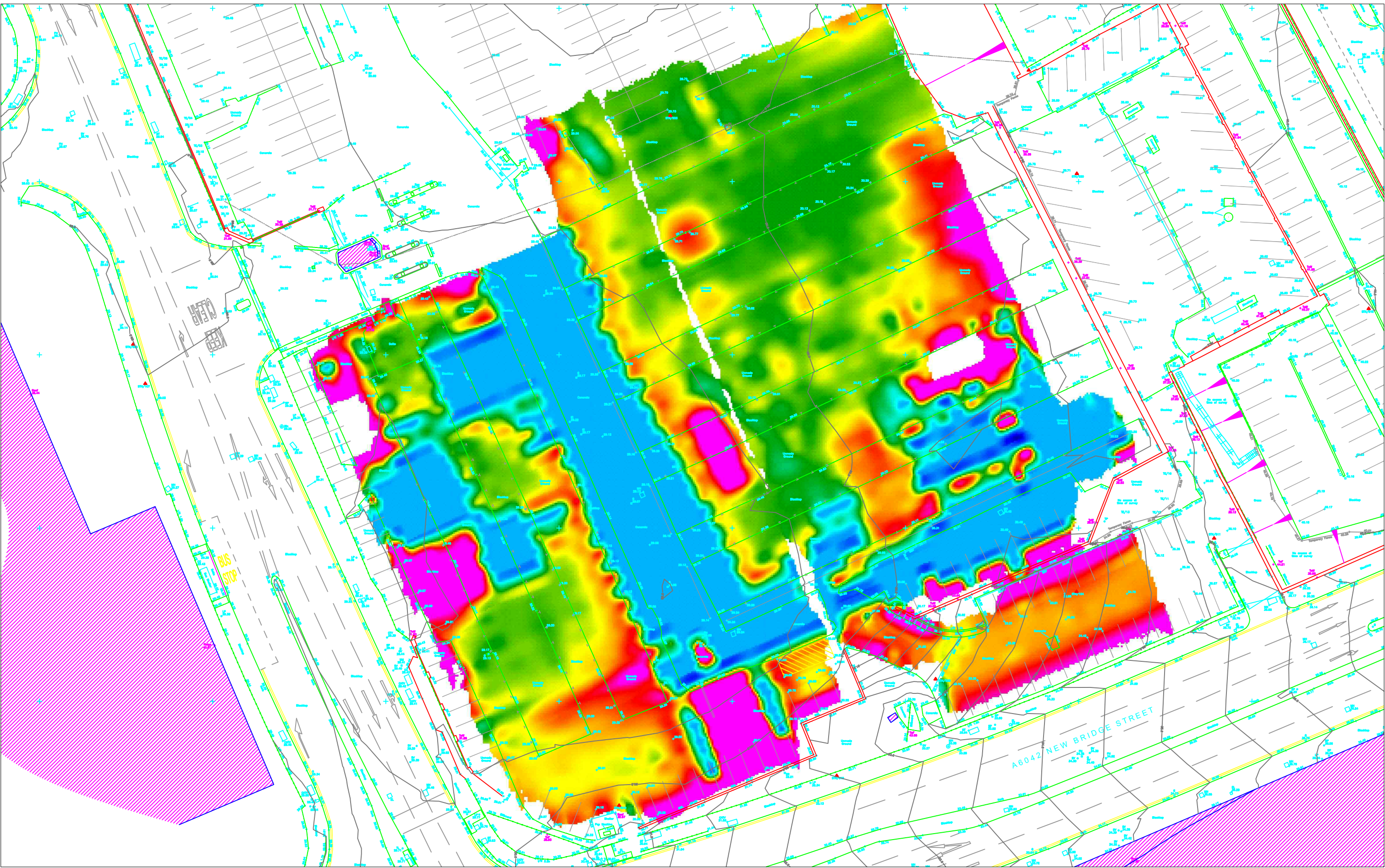


Figure 6: Ground Conductivity in-phase ferrous indicator data
(ppt)
Site: Former Boddingtons Brewery Manchester
Client: Brownfield Solutions Ltd
Survey Dates: 5th and 6th May 2019

Scale 1:500 @ A3

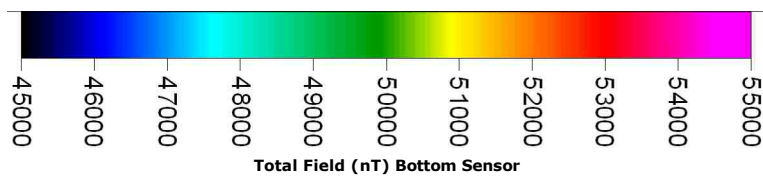
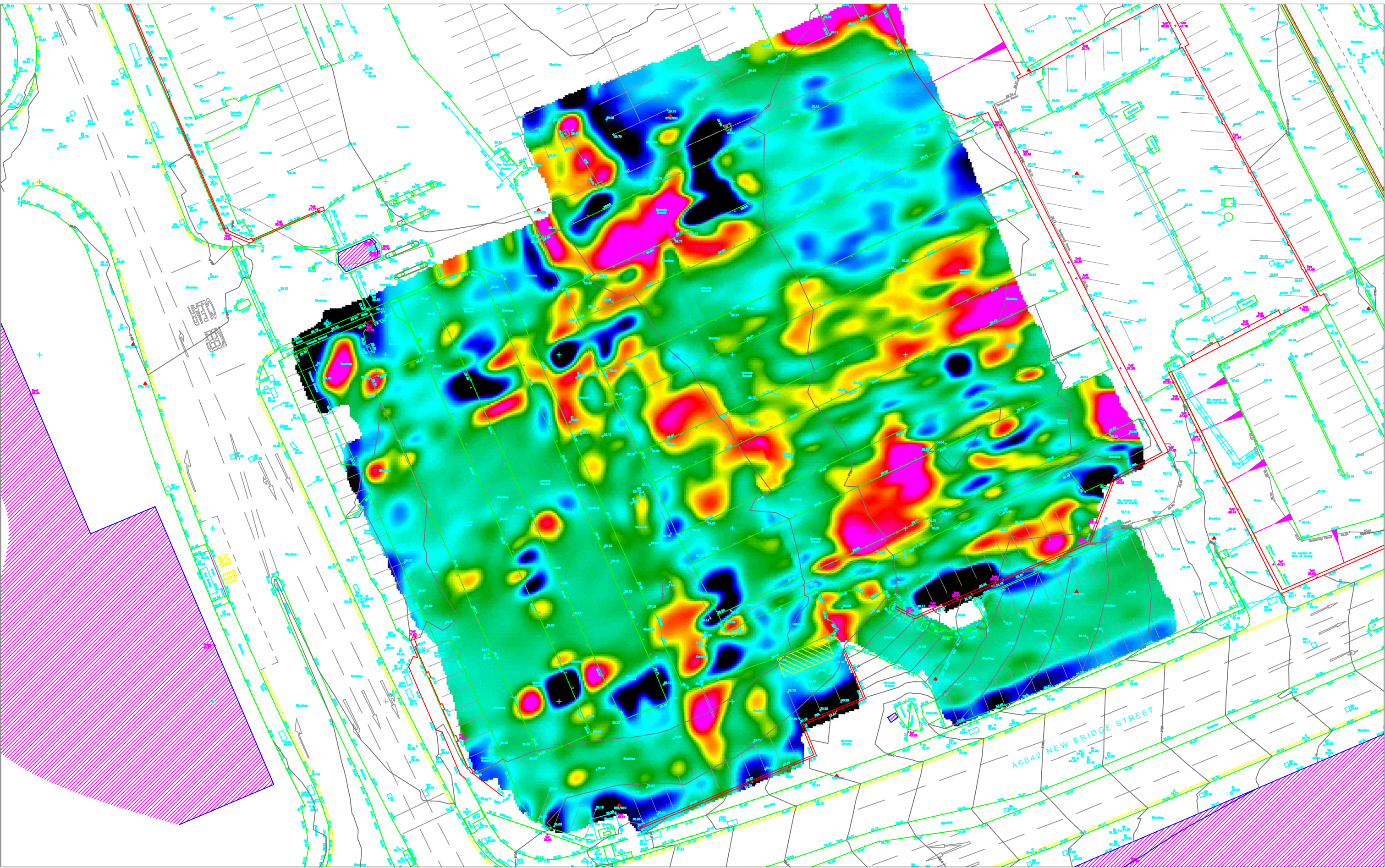


Figure 4: Total Magnetic Field Lower Sensor
Site: Former Boddingtons Brewery Manchester
Client: Brownfield Solutions Ltd
Survey Dates: 5th and 6th May 2019

Scale 1:500 @ A3

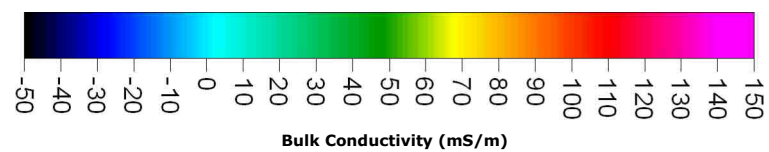
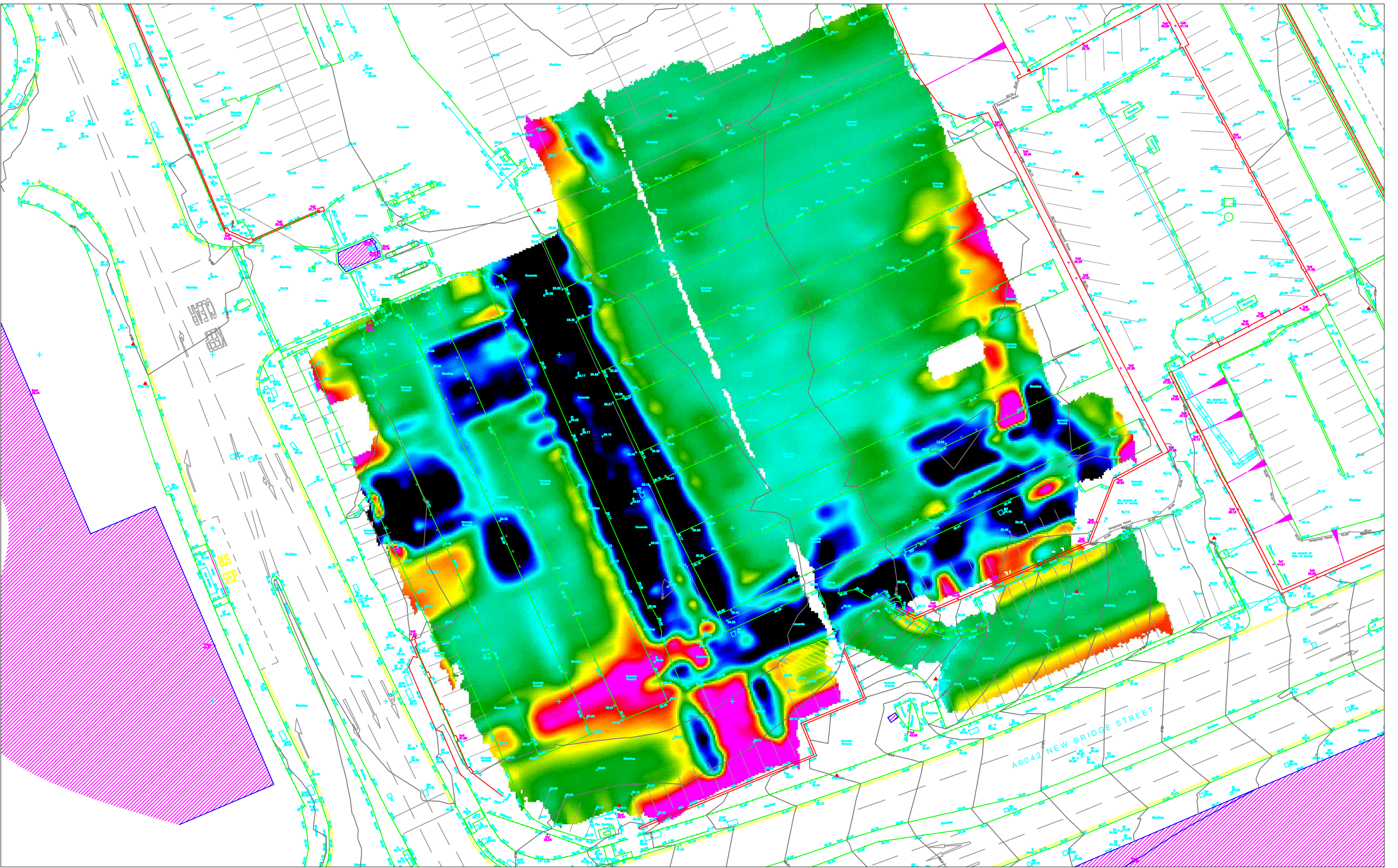


Figure 5: Ground Conductivity Quadrature Phase (mS/m)
Site: Former Boddingtons Brewery Manchester
Client: Brownfield Solutions Ltd
Survey Dates: 5th and 6th May 2019

Scale 1:500 @ A3