

ON-SITE GEOTECHNICAL INVESTIGATION

5 trial pits were carried out at a maximum depth of 1.75m to provide information on geotechnical and soil conditions on the new ASRS footprint area. Located as per the instructions from JLR Structural Engineers.

Analytical strategy

Soil samples were collected and analysed for the following:

- Moisture content determination.
- Particle size distribution by wet sieve method.
- Particle size distribution by wet sieve and hydrometer method.

The geotechnical laboratory test certificates were presented by the company i2 Analytical Ltd.

Geotechnical results

The ground conditions encountered during the site investigations undertaken are summarised below:

- Hardstanding (reinforced concrete slab or tarmac) was encountered to a maximum depth of 0.25m.
- Made ground was seen to be limited and encountered to a depth of between 0.25m and 0.50m.
- Beneath the made ground in all trial pits dark brown, dark grey and brown slightly gravelly sandy clay was encountered.
- Groundwater inflow wasn't noted while excavating the trial pits.
- Some old reinforced concrete foundations were also encountered to a maximum depth of 0.80m, in trial pits 3 & 4, which formed part of the foundations of the old buildings already demolished.
- On trial pits 2, 3 & 4, reinforced concrete pad foundations were also encountered at a maximum depth of 1.00m, which constitute the foundations of the existing buildings at South (back) & West of the intervention area.
- On trial pit 5 the main fire pipe was also encountered at a maximum depth of 1.10m; as can be seen from the contact with JLR Halewood Site Services work is already being carried out to divert this pipeline.

New ASRS
implementaton area

TRIAL PIT 5



TRIAL PIT 1



TRIAL PIT 2



TRIAL PIT 4



TRIAL PIT 3



Rev: Description: By: Date:

Status:

Drawn: JL Date drawn: Nov 2023

Date Plotted: Scale: 1:200 @ A1

Project (Viewpoint number):

Consultant/ Contractor:



Jaguar Land Rover Limited, Abbey Road, Whitley, Coventry CV3 4LF
Registered in England No. 1672070

Plant: Halewood Building: ASRS

Project: New ASRS (T&F) - Halewood

Title: SITE INVESTIGATION

Drawing Number: ASRS-PP-12-03/22 Revision: JL Sheet Size: A1