## Revision control

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<td>1.0</td>
<td>25/02/2020</td>
<td>Public Engagement Issue</td>
<td>DJR</td>
<td>GM</td>
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<td>Graeme Reid</td>
<td>NHS Lanarkshire</td>
<td>25/02/2020</td>
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Report Contributors

The content of this report is a summary of the intrusive site investigations works undertaken by the team engaged by NHS Lanarkshire to support with the development of the new Hospital.

Contributions have been received from:

WSP – structural and civil engineering, geotechnical engineering (including supervision of site investigation works undertaken on the site).

Currie & Brown – lead technical advisor, project management and cost consultancy.
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Executive summary

The ability to undertake full intrusive site investigation works has been limited due to the land being a working farm. Intrusive locations have generally been restricted to the perimeters of fields to avoid damage to land.

Works are ongoing, but initial results have not identified any additional ground risks beyond that identified in the initial site Phase 1 Geotechnical Report.

The assessed overall cost impact of the site specific items impacting the overall hospital development cost is in the order of £20.75m excluding inflation and VAT and has not change from the initial Site Summary Report issue.
1. Introduction

A shortlist of potential viable sites for the provision of a new University Hospital Monklands has been determined. The shortlist sites are:

Gartcosh
Glenmavis
Wester Moffat

This report provides a summary of the intrusive investigation works currently being undertaken at Wester Moffat.
2. Ground Conditions

Historical Ground Conditions

The site has predominantly been used for agricultural purposes, although there were extensive coal related activities in the west, including multiple collieries, mine shafts and a quarry.

Intrusive Site Investigation

Intrusive ground investigation (site investigation) at the proposed site are ongoing. The following text summarises any issues identified during initial investigations that alter the assessed ground risk and the impact on the proposed development.

An intrusive ground investigation comprising trail pitting, hand pitting, cable percussive and rotary boreholes has been planned in discussion with the landowner to limit damage to the working farmland. This places a constraint on the intrusive investigation works, however as the site is generally previously undeveloped the risks of identifying ground items beyond what would be reasonably expected is low.

An approximate location plan showing the intrusive location is presented below:

Geology

The initial intrusive works have not identified any additional information to change the assessed ground risk.
Coal Mining Risk Assessment

The initial intrusive works have not identified any additional information to change to assessed coal mining risk assessment.

Contamination & Remediation

The soil sampling and testing have not identified any additional information to change to assessed contamination risk

Development Implications

Groundwater control and ground support are likely to be required.

The risk of in-ground obstructions remains low.

The shallow coal mining risk remains moderate.

The risk of ground contamination remains low.
3. Site Specific Development Costs

The site specific development costs included in the published site summary report have been reviewed. There is no additional information from the instructive site investigation report that changes the risk profile of the site and the assessed site specific costs.
Appendices
Appendix A - Intrusive Ground Investigation Locations