



GeoShield Verification Report 1



PROJECT REFERENCE:

GEO104739

PROJECT ADDRESS:

Land to Rear of 67 Sunte Avenue,
Lindfield,
Haywards Heath,
RH16 2AB

SPECIFICATION:

Verified in accordance with CIRIA 735.

Design in accordance with BS8485 2015 + 2019
for Methane and Carbon Dioxide.

Substrate prepared in accordance with
manufacturer's instructions.

MATERIAL SPECIFICATION:

Visqueen Ultimate HC Blok
Visqueen Double Sided Butyl Tape
Visqueen Pro Detailing Strip



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NAME OF SURVEYOR:

VERIFICATION COMPANY:

GeoShield Limited

COMPANY ADDRESS:

Icon Business Centre

4100 Park Approach, Thorpe Park

Leeds

LS15 8GB

CONTACT NUMBER:

EMAIL ADDRESS:



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CLIENT DETAILS

CLIENT CONTACT:	Andrew Lamont
CONTACTS ROLE:	Castledine Environmental Ltd
MOBILE PHONE:	
EMAIL ADDRESS:	



CLIENT CONTACT:	
CONTACTS ROLE:	
MOBILE PHONE:	
EMAIL ADDRESS:	
NOTES:	



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APPLICATOR'S DETAILS

APPLICATOR NAME:

COMPANY:

APPLICATOR TEL:

APPLICATOR EMAIL:

APPLICATOR NAME:

COMPANY:

APPLICATOR TEL:

APPLICATOR EMAIL:

NOTES:



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INSPECTION AREA(S)

The Old Yard, Plot - Infills

SITE CONDITIONS

WEATHER: Cloudy

TEMPERATURE: 14°c

TIME: 08:30 - 10:30

DATE: 13.10.2025

REPORT NUMBER: 001

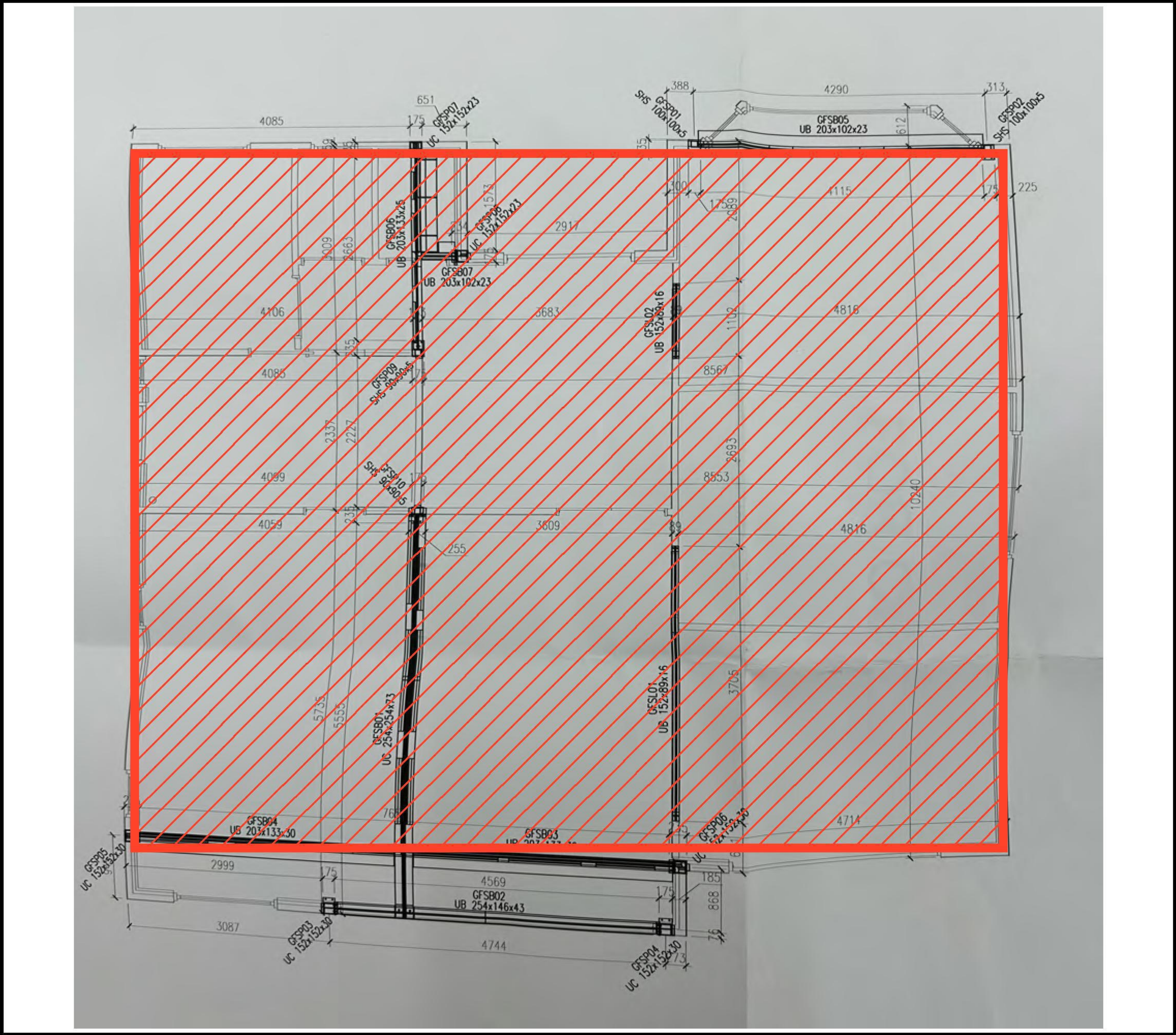
ACCOMPANIED BY:



GeoShield Verification Report



VERIFICATION LAYOUT



The photograph above shows a floor plan of the plot. The infill installation took place to the highlighted area and is where the verification inspection took place on site today.



GeoShield Verification Report



OVERVIEW



The photograph above displays an overview of the infill installation to one of the rooms where today's verification inspection took place on site.



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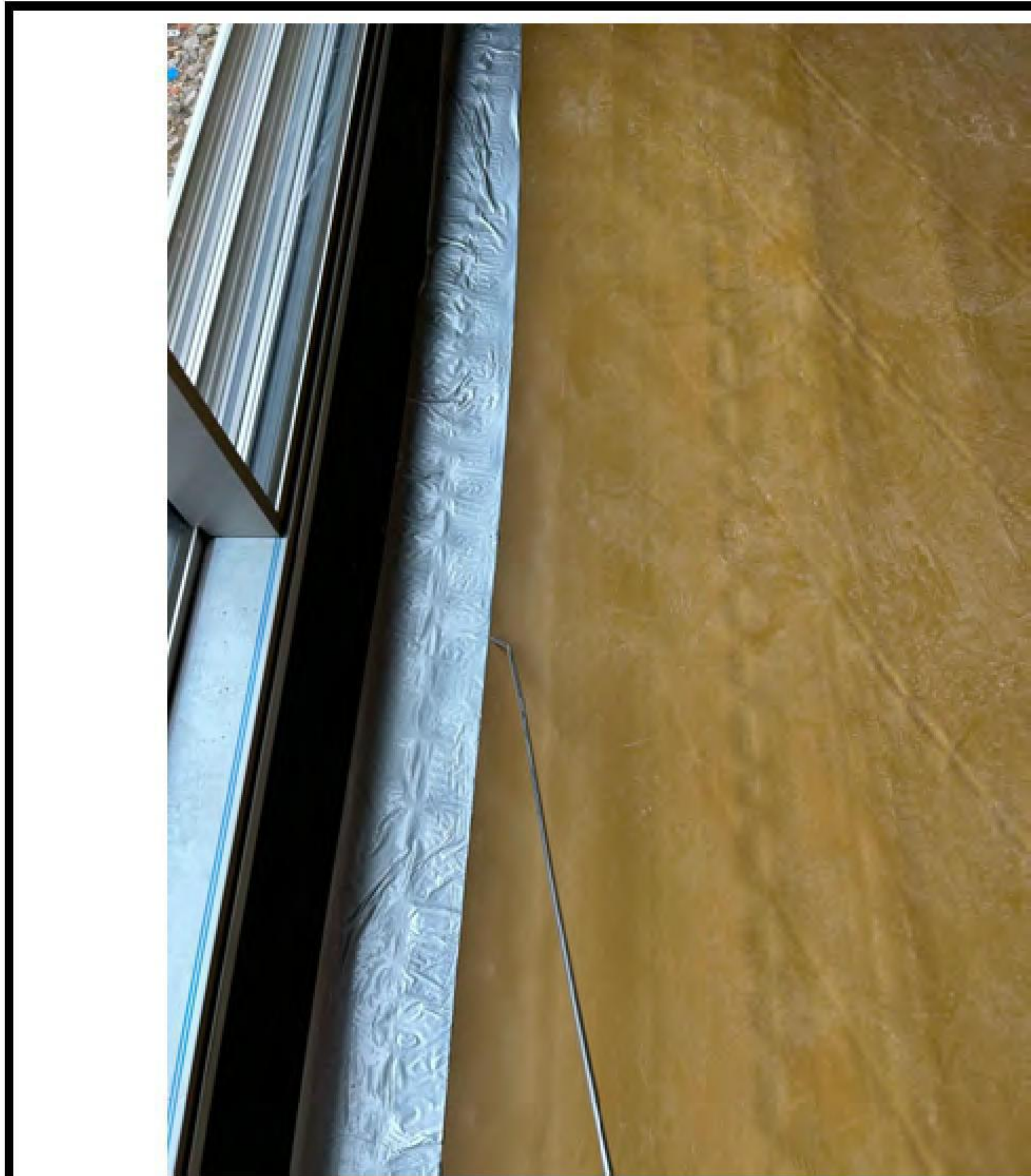
GeoShield Verification Report



VERIFICATION ITEM ONE

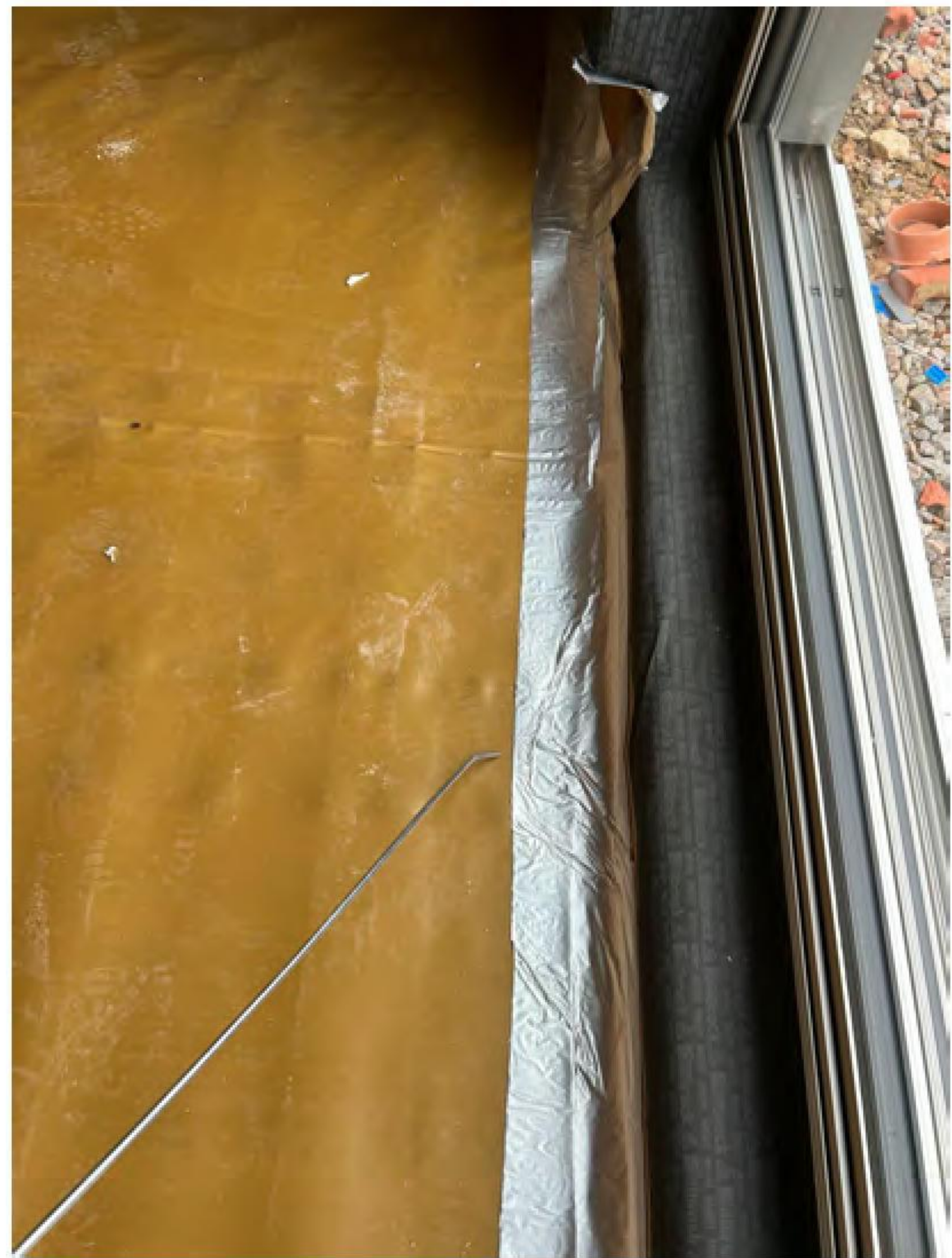
LOCATION/GRID LINE: The Old Yard, Plot - Infills

Installation of Visqueen Ultimate HC Blok



NOTES:

Visqueen Ultimate HC Blok has been installed across the footprint of the referenced area, in the form of an infill installation. The Visqueen Ultimate HC Blok has been lined out across the entirety of the area and sealed onto the existing perimeter edges and internal party walls using Visqueen Double Sided Butyl Tape.



NOTES:

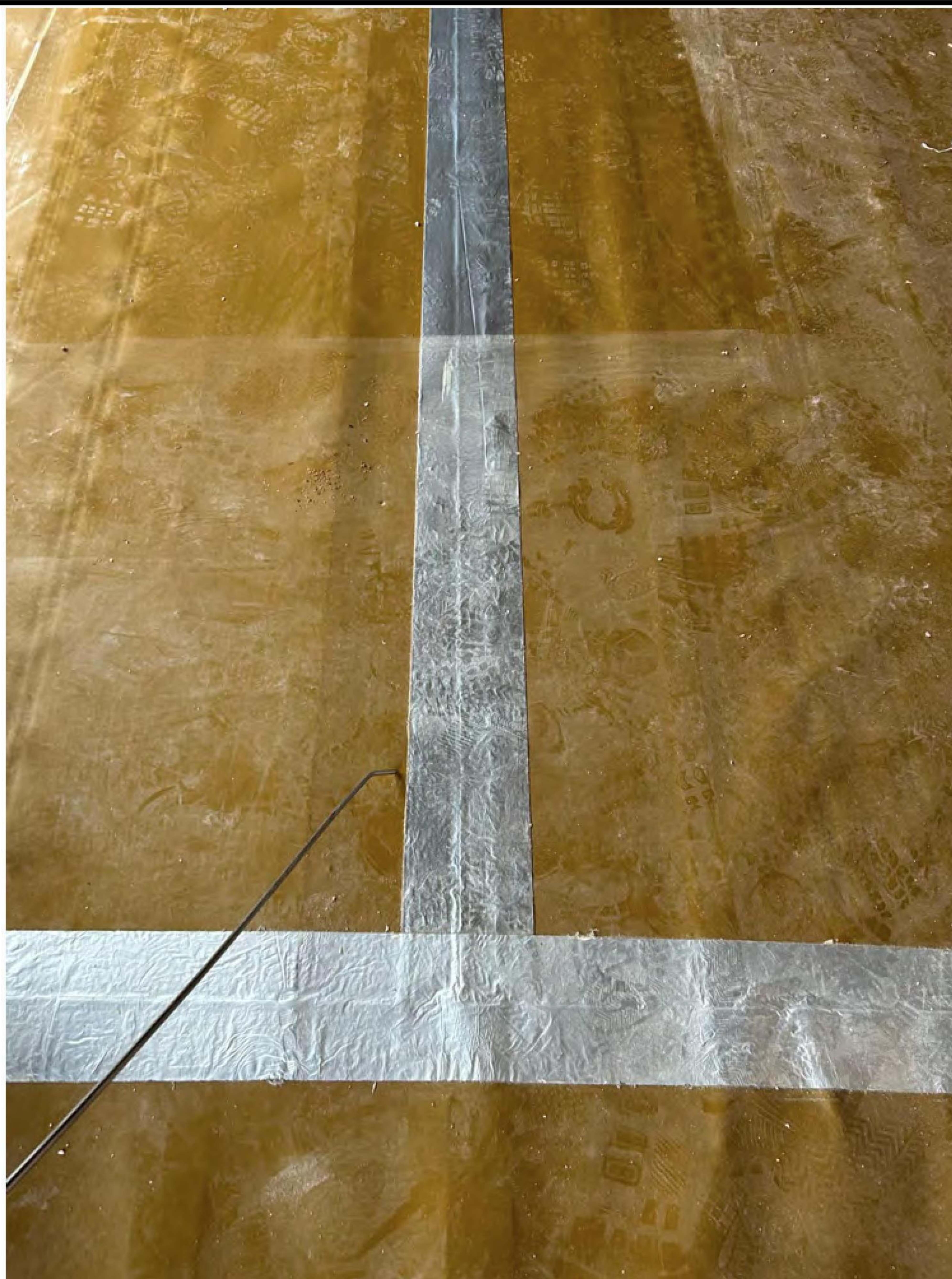
All overlaps between adjacent sheets of Visqueen Ultimate HC Blok have been overlapped a minimum of 100mm, conforming to manufacturer's specifications. All overlaps have been dual taped using Visqueen Double Sided Butyl Tape and over-taped using Visqueen Pro Detailing Strip, which is a gas resistant self



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VERIFICATION ITEM ONE



adhesive membrane. Sufficient rolled pressure has been applied to the Visqueen Pro Detailing Strip to ensure a continuous gas resistant seal is achieved. Thorough visual inspections, supported by mechanical point stress testing and non destructive air lance integrity testing were conducted upon all taped overlaps throughout the area. A total of two faults were identified.



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VERIFICATION ITEM TWO

LOCATION/GRID LINE: The Old Yard, Plot - Infills

Pipe Penetrations



NOTES:

Throughout the Visqueen Ultimate HC Blok installation to the referenced area, there were a number of pipe penetrations that have been sealed in accordance with manufacturer's specifications. This has been achieved using Visqueen Pro Detailing Strip. The installers have first cut the Visqueen Ultimate HC Blok tight



NOTES:

around the base of each pipe penetration to minimise voided areas. Next, strips of Visqueen Pro Detailing Strip are placed intricately around the pipe penetration, onto the Visqueen Ultimate HC Blok. Heat and rolled pressure are applied to the Visqueen Pro Detailing Strip, creating a secure bond between the pipe penetration



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VERIFICATION ITEM TWO



and the Visqueen Ultimate HC Blok. All pipe penetrations were subjected to visual inspections, mechanical point stress testing and non destructive air lance integrity testing. No faults were identified.

Tested and verified in accordance with CIRIA 735.



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REMEDIATIONS

Faults Identified & Remediated



As mentioned, two faults were identified during the testing procedures conducted upon all aspects of the installation. The faults were brought to the attention of the installers and remediated during the visit, in the presence of GeoShield.



The faults were remediated by applying 150mm patches of Visqueen Pro Detailing Strip over the affected areas with heat and rolled pressure applied to activate the bitumen backing. No further faults or defects were identified during the testing of the remedial work.



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ADDITIONAL PHOTOGRAPHS



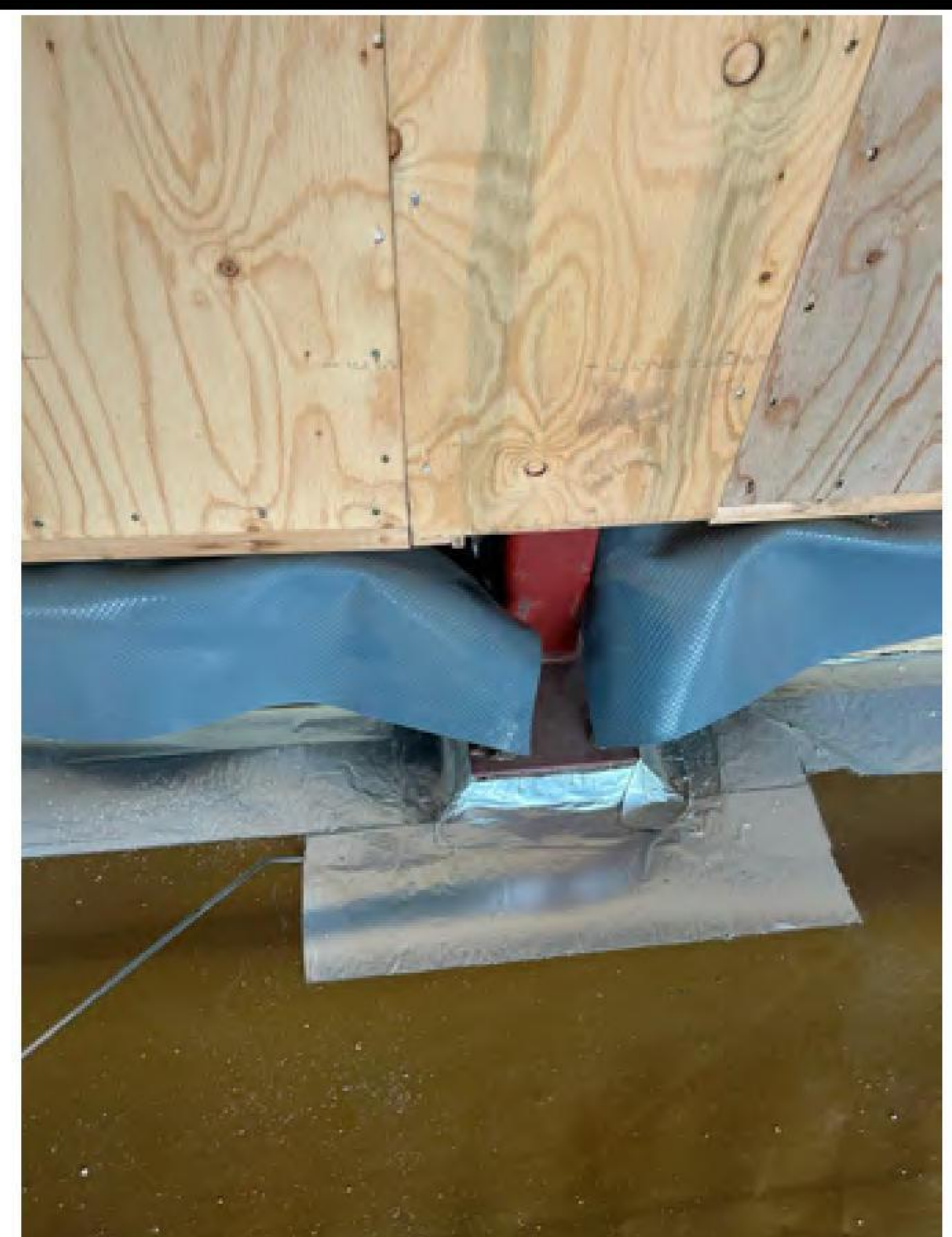
A fault identified.



A mechanical point stress test being conducted upon the fault, remediated using Visqueen Pro Detailing Strip.



A mechanical point stress test being conducted upon a column, sealed with Visqueen Pro Detailing Strip.



A non destructive air lance integrity test being conducted upon a column, sealed with Visqueen Pro Detailing Strip.



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ADDITIONAL PHOTOGRAPHS



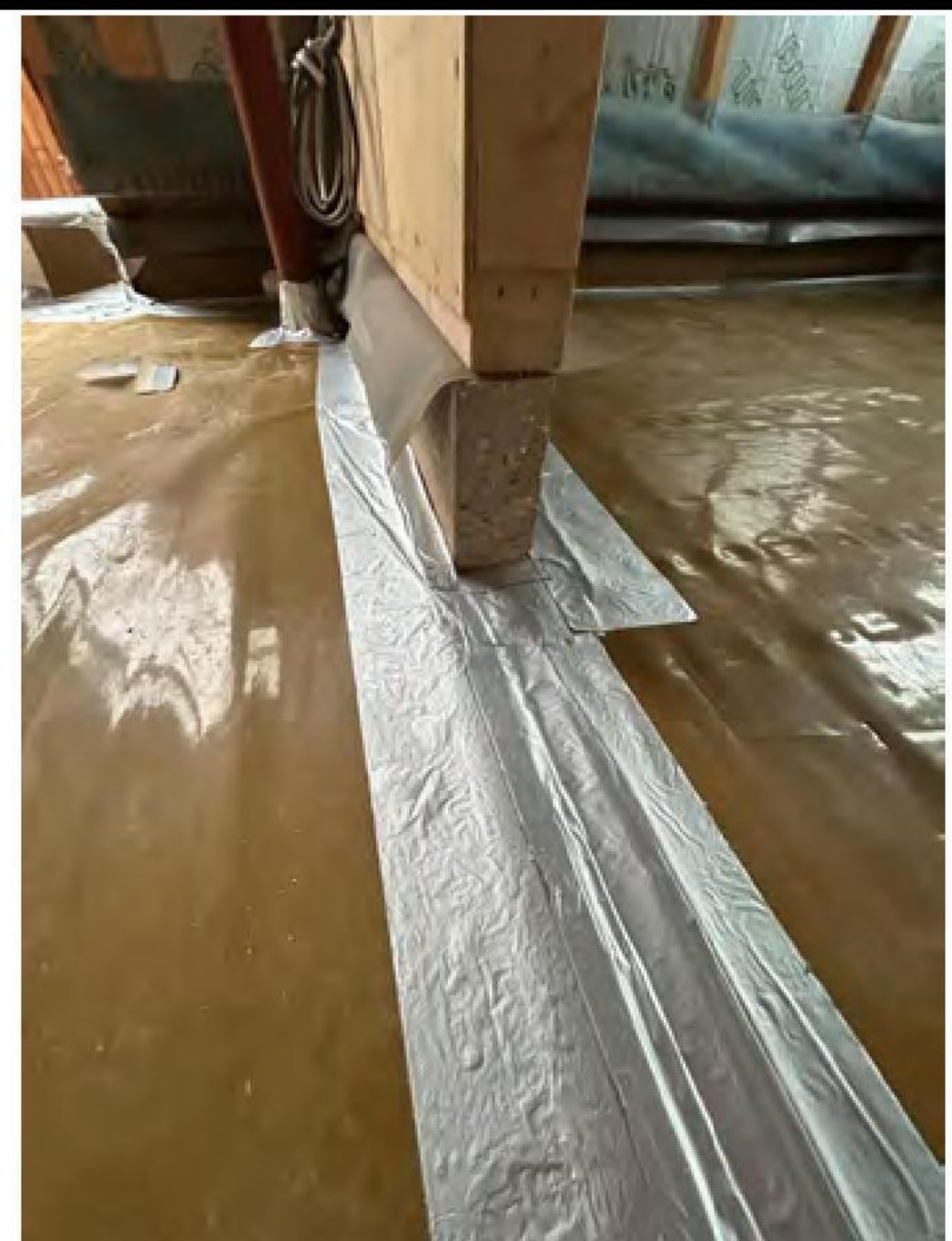
The Visqueen Double Sided Butyl Tape used throughout the installation.



The membrane used.



An overview of the infill installation to one of the rooms.



The membrane sealed upon the existing party wall.



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GAS MEMBRANE TESTING

VISUAL /PICK & PROBE: 

AIR LANCING: 

DESTRUCTIVE: 

INERT GAS TEST: 

SMOKE TEST: 

DIELECTRIC:

OTHER (PLEASE SPECIFY):

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[illegible]



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REMEDIATION LOG

[illegible]



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VERIFICATION SUMMARY

This was the first and final visit to the site where verification was required for the infill installation of the Visqueen Ultimate HC Blok to the referenced plot.

All overlaps between the adjacent sheets of Visqueen Ultimate HC Blok have been dual taped, consisting of Visqueen Double Sided Butyl Tape beneath the overlaps and over-taped using Visqueen Pro Detailing Strip.

All details throughout the installation, such as pipe penetrations and columns have been successfully sealed using Visqueen Pro Detailing Strip.

Thorough visual inspections, supported by non destructive air lance integrity testing and mechanical point stress testing were conducted throughout the inspection today. A total of two faults were identified, both of which were successfully remediated during the visit in the presence of GeoShield.

This project is ready for handover.

Is the project ready for handover?	Yes
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This was passed and verified in accordance with CIRIA 735 and installed to BS8485:2015+A1 2019.

GEOSHIELD SIGNATURE

DATE: 13-Oct-2025

