



GEOSHIELD Verification Report



PROJECT REFERENCE:

GEO101436

REPORT NUMBER:

004

PROJECT:

GCL - Clarendon Road PHASE 3

PROJECT ADDRESS:

Clarendon Road

Hornsey

N8 0JU

MEMBRANE SPECIFICATION:

Gas membrane to specification BS8485 2015

Installed to CIRIA 735

Pudlo GP Ultra+ Gas Barrier

Pudlo GP Ultra Tape

Pudlo GP Ultra EXT Tape

Pudlo Liquid Gas Barrier



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SPECIFICATION:

INFORMATION INCLUDED:

Material specification technical data sheets

5192204/P3_RemStrat Rev0.4

W257-PUD-D1-00-DR-S-02-1000

W257-PUD-D2-00-DR-S-02-1001

W257-PUD-D3-FN-DR-S-02-1002

W257-PUD-D3-XX-DR-S-02-1005

W257-PUD-D3-XX-DR-S-05-1000

W257-PUD-D4-00-DR-S-01-1006

W257-PUD-D4-BL-DR-S-02-1003

W257-PUD-DD-XX-DR-S-03-0001 to W257-PUD-DD-XX-DR-S-03-0024

W257-PUD-DD-XX-SK-S-03-0001 to W257-PUD-DD-XX-SK-S-03-0003

Information brought forward from the Pre Verification Plan. Any alterations to the originaally

submitted design should be made aware to Geoshield



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VERIFICATION OFFICER: Jake Purdie

VERIFICATION COMPANY: GeoShield Limited

Icon Business Park, 4100 Park Approach

Thorpe Park, LEEDS

West Yorkshire

LS15 8GB

CONTACT NUMBER: 07393 712648

EMAIL ADDRESS: Jpurdie@Geoshield.co.uk

ORDER NUMBER:

PER VISIT: YES:



NO:



PROJECT: YES:



NO:





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CLIENT DETAILS

CLIENT CONTACT:	Rohallah De Sousa
CONTACTS ROLE:	Ground Construction Ltd
MOBILE PHONE:	02082387000
EMAIL ADDRESS:	RohallahDeSousa@GroundConstruction.com



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



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APPLICATION TEAM LEADERS

APPLICATOR NAME:

COMPANY:

APPLICATOR TEL:

APPLICATOR EMAIL:

APPLICATOR NAME:

COMPANY:

APPLICATOR TEL:

APPLICATOR EMAIL:

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AREA SURVEYED: Block D1 Slab - Pour 1.

SITE CONDITIONS:

WEATHER: Overcast - cold.

TEMPERATURE: 5c.

MEMBRANE TEMPERATURE: N/A

RELATIVE HUMIDITY: N/A

TIME: 13:30 - 15:00

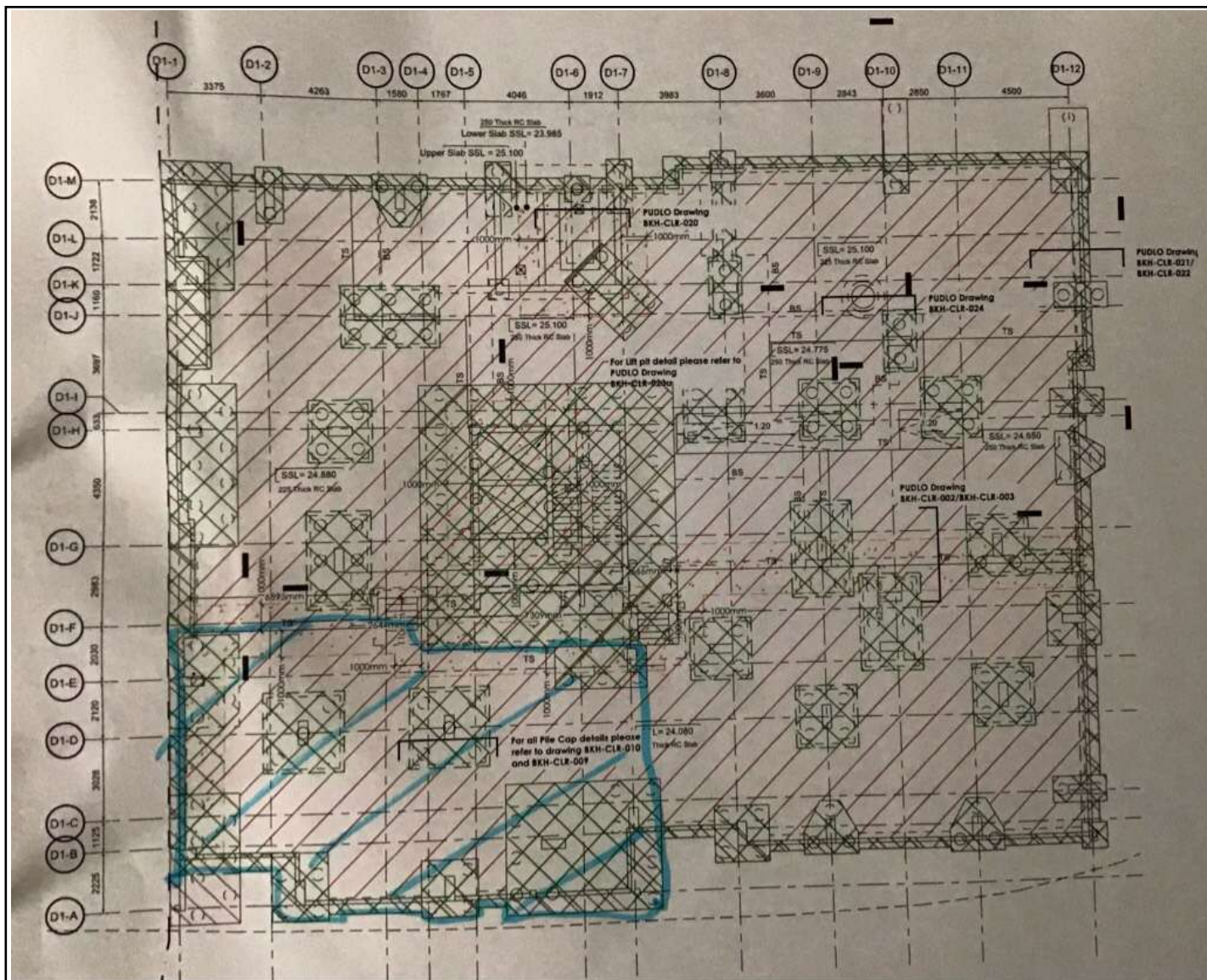
REPORT NUMBER: 004

DATE: 10/12/2020

ACCOMPANIED: Ermal - GCL Site Engineer

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VERIFICATION LAYOUT



The layout above highlighted in blue shows Block D1 - Pour 1 (50% complete)

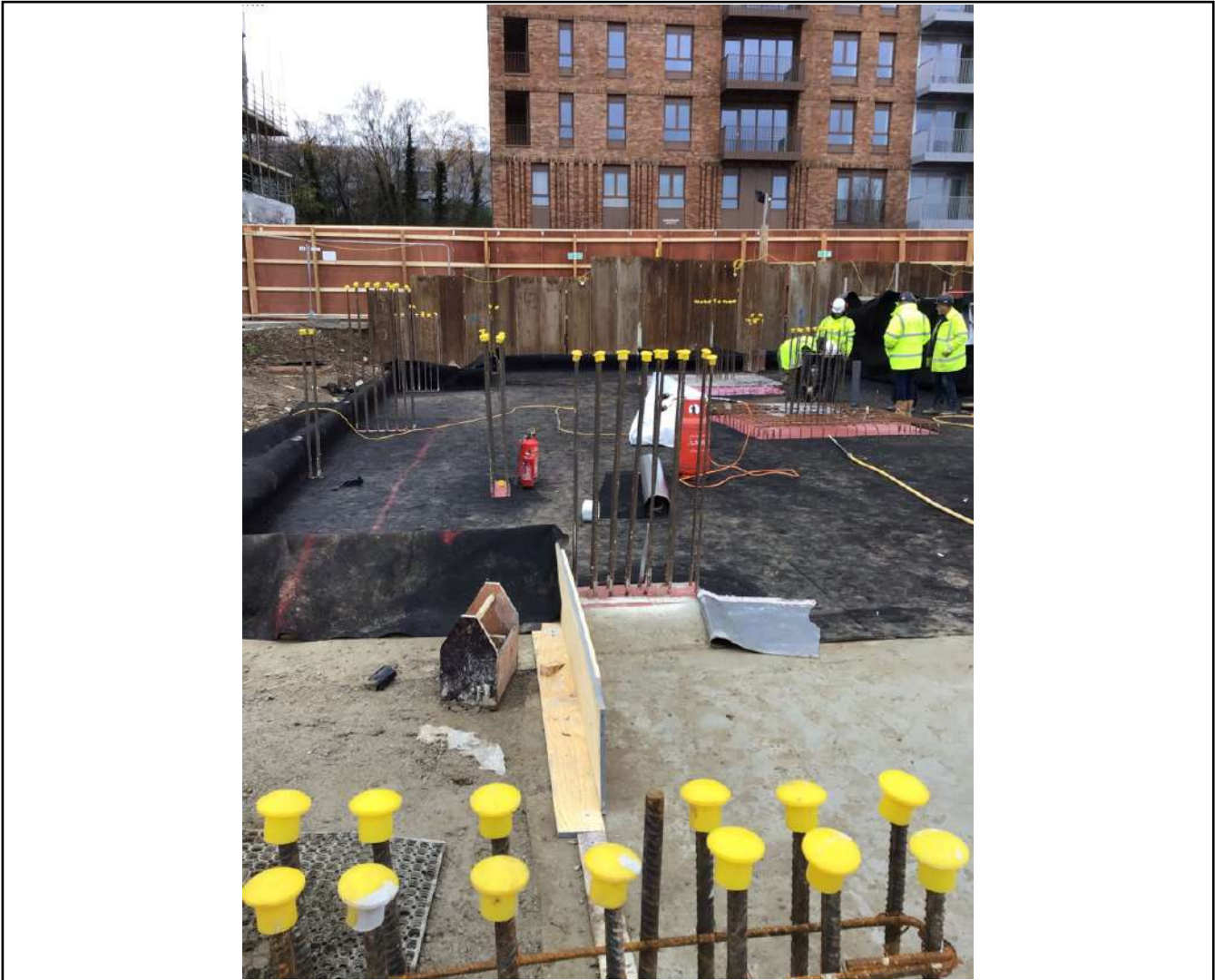
which was verified during this inspection visit.



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OVERVIEW PHOTOGRAPHS



The photograph above shows an overview of the installation of the

Pudlo GP Ultra+ Gas Barrier to D1 Slab - Pour 1 (50% complete).



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OVERVIEW PHOTOGRAPHS



The photograph above shows an overview of the remaining (50%) of the

D1 Slab - Pour 1, where the installation is yet to be completed.



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VERIFICATION ITEM ONE

LOCATION/GRID LINE: Block D1 Slab - Pour 1 (50%).

NOTES: Incorrect sealing of lap joints.

The first photograph below shows an overview of a lap joint, found within the area verified during this visit. The second photograph below shows a pick and probe test to the pictured lap joint.



During the pick and probe test, it was identified that the sealing of lap joints had been taped, and not welded. This is not to manufacturers specification.

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VERIFICATION ITEM ONE



The photograph above shows a separate fault found within the sealing of lap joints.

Not only had the installers used the wrong method to seal the lap joints, there was also holes in the joints present, as pictured above.

This is deemed a failed visit, and the same area will need to be re-inspected.



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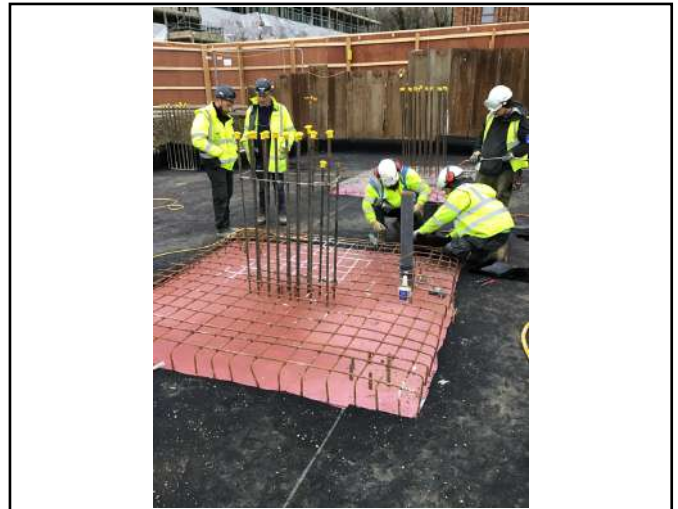


VERIFICATION ITEM TWO

LOCATION/GRID LINE: Block D1 Slab - Pour 1.

NOTES: Incomplete sealing of pipe penetrations.

The first photograph below shows a pipe penetration that was found unsealed during today's inspection visit. This was along with another two unsealed pipe penetrations.



The second photograph above shows a toolbox talk demonstration being carried out to the installers, demonstrating how to correctly seal the pipe penetration, as per manufacturers specification and design details.

All pipe penetrations will need to be sealed and re-verified during the next inspection visit to site.

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VERIFICATION ITEM TWO



The photograph above shows where the installers have now correctly sealed the aforementioned pipe penetration, after a short toolbox talk demonstration provided to the installers, by Geosheild. All pipe penetrations will need to be sealed as per manufacturers specification, and then re-inspected during the next visit.

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ADDITIONAL PHOTOGRAPHS



Unsealed pipe penetration.



Hot air tools used.



Corner detailing completed.



Large pile cap sealed.



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REMEDIATION LOG

Date	Nr	Remediation Description	Y/N
10/11/2020	001	No faults found	✓
12/11/2020	002	Damaged corner repaired	✓
01/12/2020	003	1. Damage to the membrane had been patched but the fleece	✓
		below had not been removed and therefore the seal wasn't very	✓
		strong. This patch was removed and the damage was repaired	✓
		correctly during this visit.	✓
		2. 3 x pile caps sealed using the Pudlo Liquid GB had been	✓
		chipped and therefore additional Liquid Gas Barrier had to be	✓
		applied to small areas.	✓
10/12/2020	004	1. Incorrect sealing of lap joints in membrane - taped not welded.	
		2. 3 x pipe penetrations not sealed.	

