



GEOSHIELD

Verification Report



PROJECT REFERENCE:

GEO101436

REPORT NUMBER:

003

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



GEOSHIELD Verification PLAN



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 orignaally

submitted design should be made aware to Geoshield



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VERIFICATION OFFICER: John Cornish

VERIFICATION COMPANY: GeoShield Limited

Icon Business Park, 4100 Park Approach

Thorpe Park, LEEDS

West Yorkshire

LS15 8GB

CONTACT NUMBER: 07493 769477

EMAIL ADDRESS: Jcornish@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	
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APPLICATION TEAM LEADERS

APPLICATOR NAME: Ermal

COMPANY: GCL - Site Engineer

APPLICATOR TEL: 07479553833

APPLICATOR EMAIL:

APPLICATOR NAME: Adrian Toderasc

COMPANY: GCL

APPLICATOR TEL:

APPLICATOR EMAIL:

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AREA SURVEYED: Block D2 - Core.

SITE CONDITIONS:

WEATHER: Cloudy

TEMPERATURE: 8c

MEMBRANE TEMPERATURE: N/A

RELATIVE HUMIDITY: N/A

TIME: 08:00 - 10:00

REPORT NUMBER: 003

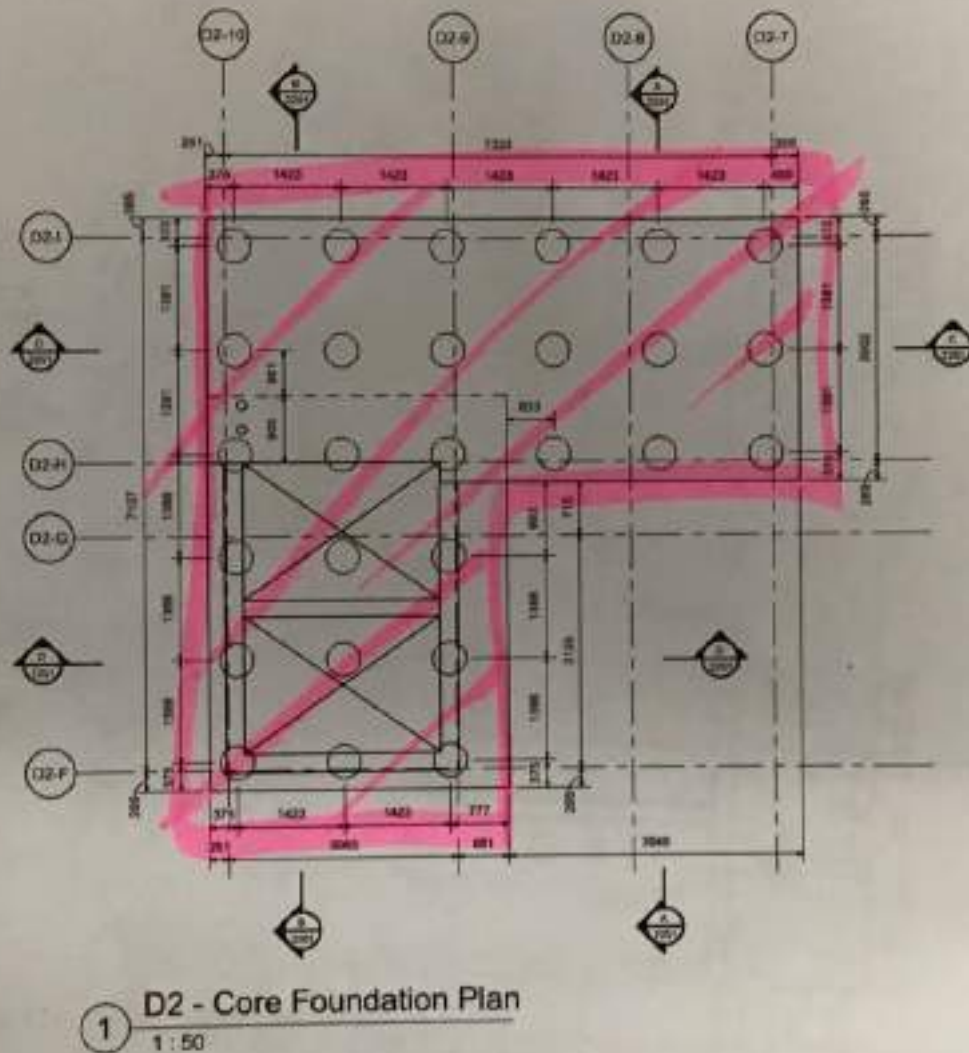
DATE: 01/12/2020

ACCOMPANIED: Ermal - GCL Site Engineer

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VERIFICATION LAYOUT



The layout above shows D2 Core verified during this visit.



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OVERVIEW PHOTOGRAPHS



The photograph above shows an overview of the completed installation of the

Pudlo GP Ultra+ Gas Barrier to D2 Core.

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BGA



VERIFICATION ITEM ONE

LOCATION/GRID LINE: Block D2 - Core.

NOTES: Installation of the Pudlo GP Ultra+ Gas Barrier to core base.

The first photograph below shows the installers have lapped the membrane using the preformed no fleeced lap. The installers have then used a hot air leister and roller to achieve a consistent 40mm weld.



The second photograph above shows the installers using the hot air leister to dry an area of the membrane before carrying out remediations.

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VERIFICATION ITEM ONE



The photograph above shows a pick and probe test carried out to a welded lap of the Pudlo GP Ultra+ Gas Barrier which has been installed to the base of D2 Core. The installers have achieved a strong weld and no faults or defects were identified.

Verified in accordance with CIRIA 735.



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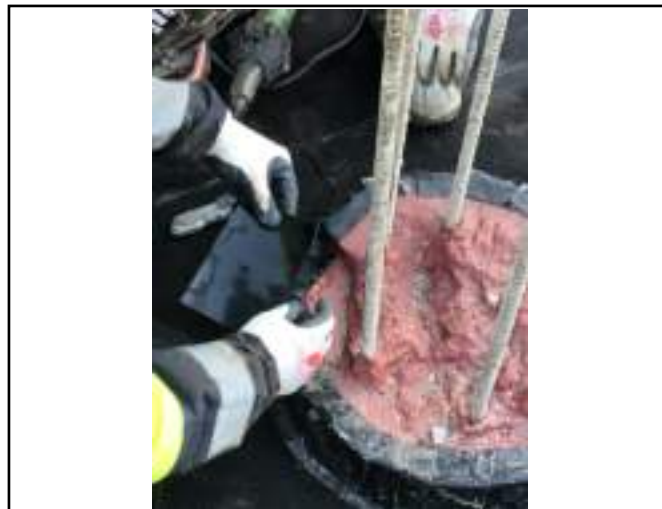
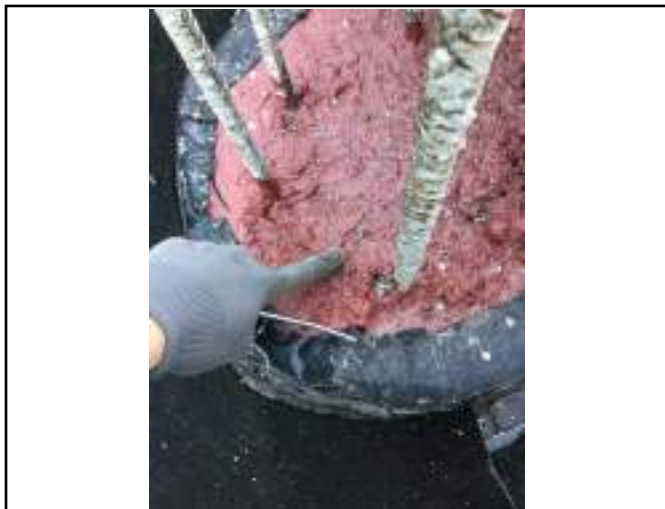


VERIFICATION ITEM TWO

LOCATION/GRID LINE: Block D2 - Core.

NOTES: Pile caps sealed.

The first photograph below shows the installers have first applied an even coat of the Pudlo Liquid GB to the pile cap. Once dry the installers have then used the Pudlo GP Ultra tape to seal the Pudlo GP Ultra+ Gas Barrier to the pile caps.



The installers have cut patches of the Pudlo Ultra tape which are at least 150mm square to ensure a good lap to the double sided butyl tape and sealed pile caps have been achieved. The installers have used the hot air leister to achieved the best seal possible.

Installed in accordance with BS 8485:2019.

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VERIFICATION ITEM TWO



The photograph above shows a pick and probe test carried out to a sealed pile cap which was verified during this visit. The installers have achieved a strong seal and no gaps were present.

Verified in accordance with CIRIA 735.

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ADDITIONAL PHOTOGRAPHS



Installers applying the Pudlo Liquid

GB.



Installers have touched up chip in the

cap using Pudlo Liquid GB.



Pick and probe test carried out to a

patched fault identified during this visit.



Additional sealed pile caps.





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VERIFICATION SUMMARY

This was the 3rd visit to Clarendon Road - Phase 3 where verification of the

installation of the Pudlo GP Ultra+ Gas Barrier to D2 Core base was required.

All laps of the Pudlo GP Ultra+ Gas Barrier have been lapped using the preformed

non fleeced edge and welded using a hot air leister and roller to apply pressure.

All pile caps have now been sealed using the Pudlo Liquid GB. Once dry the

the installers have sealed each pile cap using double sided butyl tape and Pudlo

Ultra tape to ensure there are no gaps. All faults identified during this visit have

been remediated during this visit and D2 Core can be signed off.

Installed in accordance with BS 8485:2019.

Verified in accordance with CIRIA 735.

GEOSHIELD SIGNATURE:

DATE: 01/12/2020