



GEOSHIELD

Verification Report



PROJECT REFERENCE:

GEO101436

REPORT NUMBER:

005

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 originaally

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: 07493769477

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	
NOTES:	
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NOTES:	



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APPLICATION TEAM LEADERS

APPLICATOR NAME:

COMPANY:

APPLICATOR TEL:

APPLICATOR EMAIL:

APPLICATOR NAME:

COMPANY:

APPLICATOR TEL:

APPLICATOR EMAIL:

NOTES:

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AREA SURVEYED: Pumping station.

SITE CONDITIONS:

WEATHER: Overcast

TEMPERATURE: 8c.

MEMBRANE TEMPERATURE: N/A

RELATIVE HUMIDITY: N/A

TIME: 10:00 - 11:00

REPORT NUMBER: 005

DATE: 18/12/2020

ACCOMPANIED: Ermal - GCL Site Engineer



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OVERVIEW PHOTOGRAPHS



The photograph above shows an overview of the pumping station verified

during this visit.

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BGA
British Geomembrane Association



VERIFICATION ITEM ONE

LOCATION/GRID LINE: Pumping station.

NOTES: Installation of Pudlo GP Ultra self adhesive membrane.

The two photos below show the installers have installed the Pudlo GP Ultra self adhesive membrane to the primed concrete. The installers have ensured that there are no gaps, especially in weak areas such as the corners.



The second photo shows a lap which has been sealed. The installers have lapped the adhesive membrane a sufficient amount.

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VERIFICATION ITEM ONE



The photograph above shows a pick and probe test carried out to a sealed lap of the Pudlo GP Ultra self adhesive membrane. The installers have achieved a strong seal as all areas of concrete had been primed before adhering the membrane. No faults or defects identified. Verified in accordance with CIRIA 735.

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ADDITIONAL PHOTOGRAPHS



Protection board ready to be installed.



Protection board installed around

pumping station before backfilling.



Protection board.



Additional pick and probe test carried

out to self adhesive membrane.



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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.	
18/12/2020	005	No faults or defects identified during this visit.	✓





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VERIFICATION SUMMARY

This was the 5th visit to site where verification of the wrapping of the pumping station was required. The installers had first applied a coat of primer to all areas of concrete. Once dry the installers have adhered the Pudlo GO Ultra self adhesive membrane to the primed concrete. Pick and probe tests carried out identified no faults or defects. Before backfilling the installers have installed protection board to avoid damaging the membrane.

Installed in accordance with BS 8485;2019.

Verified in accordance with CIRIA 735.

GEOSHIELD SIGNATURE:

DATE: 18/12/2020