



GEOSHIELD Verification Report



PROJECT REFERENCE:

GEO101478

REPORT NUMBER:

001

PROJECT:

Westside CFA Piling - Balfour Beatty/Galldris

PROJECT ADDRESS:

Green Park Station, Smallmead Road,

Reading,

RG30 3UR.

MEMBRANE SPECIFICATION:

Gas membrane to specification BS8485 2015

Verified in accordance with CIRIA 735.

- PrePrufe 300R Plus LT

- Bituthene Liquid Membrane

- PrePrufe Tape LT



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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: N/A.

PER VISIT: YES:



NO:



PROJECT: YES:



NO:





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CLIENT DETAILS

CLIENT CONTACT:	Mark Franklin
CONTACTS ROLE:	Director of Fastglobe
MOBILE PHONE:	07739363998
EMAIL ADDRESS:	



CLIENT CONTACT:	
CONTACTS ROLE:	
MOBILE PHONE:	
EMAIL ADDRESS	
NOTES:	
NOTES:	
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APPLICATION TEAM LEADERS

APPLICATOR NAME: Chris Hickling

COMPANY: Fastglobe

APPLICATOR TEL: 07958268438

APPLICATOR EMAIL:

APPLICATOR NAME: Brad Watkins

COMPANY: Fastglobe

APPLICATOR TEL: 07985175769

APPLICATOR EMAIL:

NOTES: Fastglobe specialise in the installation of water + gas proof systems.

NOTES: Installers from Fastglobe hold NVQ2 qualifications for the installation of

NOTES: Structural Waterproofing.

NOTES:



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AREA SURVEYED: Installation to lift shaft - Platform 2.

SITE CONDITIONS:

WEATHER: Overcast - Windy

TEMPERATURE: 11c.

MEMBRANE TEMPERATURE: N/A.

RELATIVE HUMIDITY: N/A.

TIME: 13:00 - 14:30

REPORT NUMBER: 001

DATE: 11/11/2020

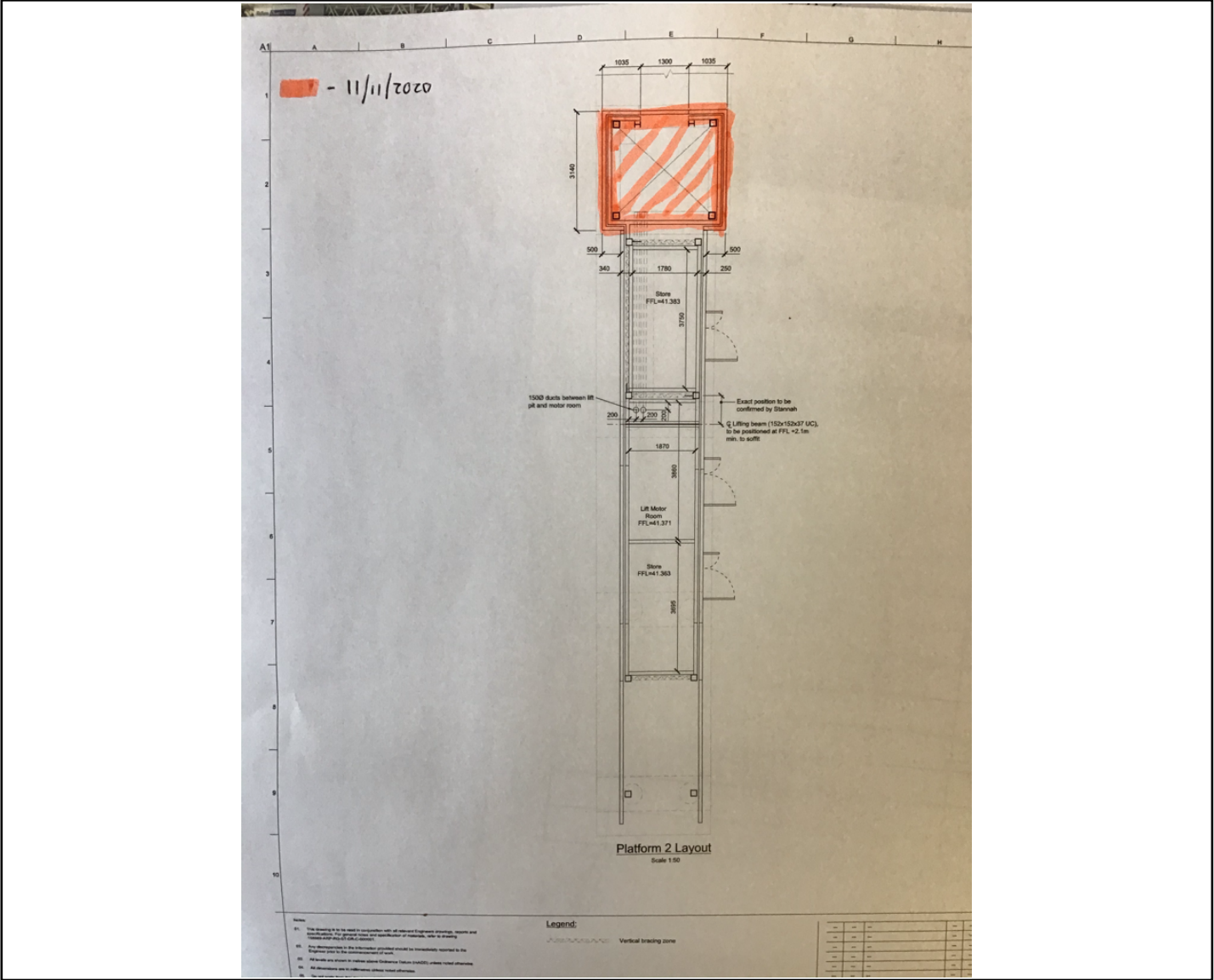
ACCOMPANIED Chris - Fastglobe



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VERIFICATION LAYOUT



Area highlighted above in orange is where verification took place during this visit.

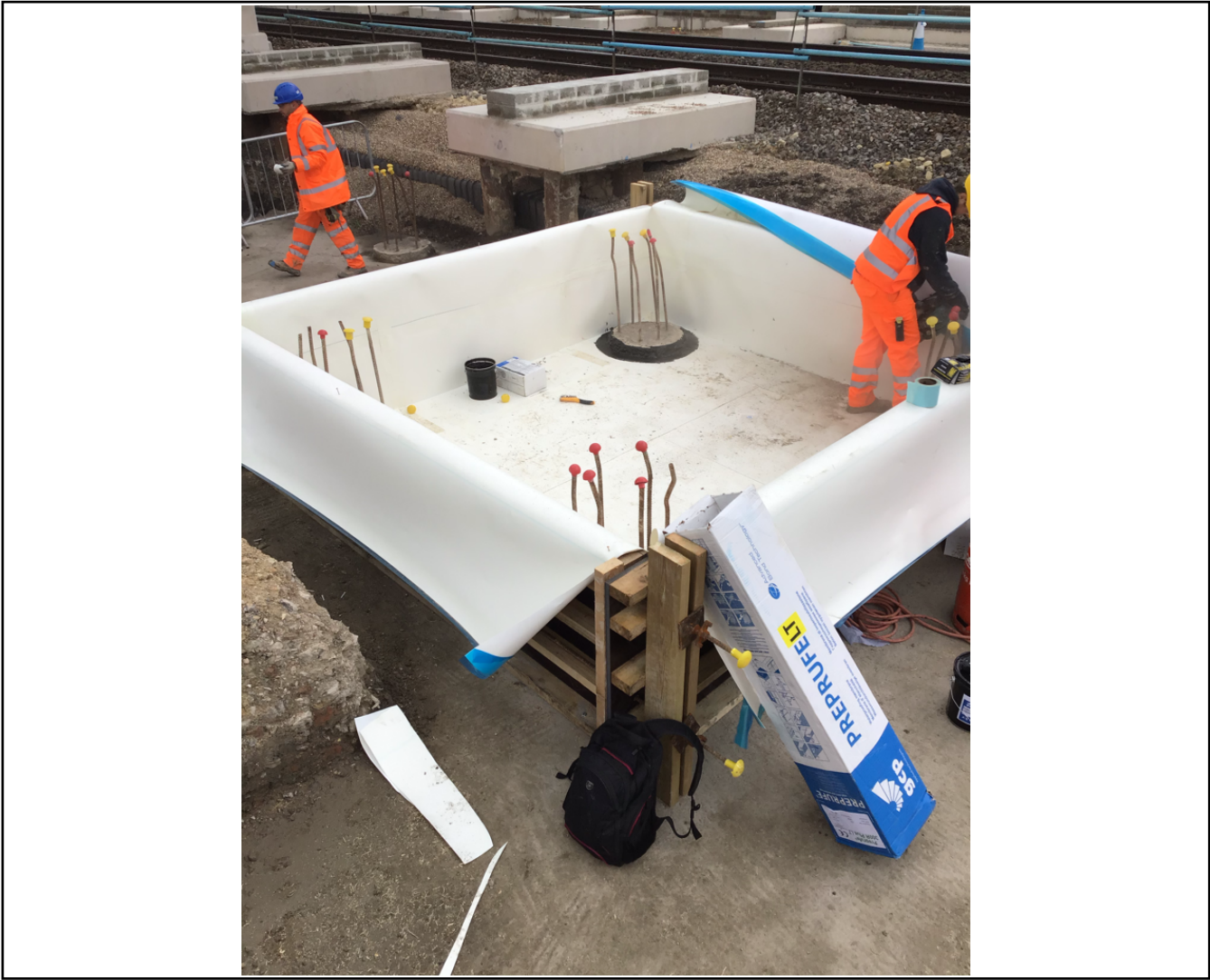
Installation to lift shaft on Platform 2.



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OVERVIEW PHOTOGRAPHS



Overview photograph showing installation completed to lift shaft - Platform 2.

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BGA
British Geomembrane Association



VERIFICATION ITEM ONE

LOCATION/GRID LINE: Lift Shaft - Platform 2.

NOTES: Installation of PrePrufe 300R Plus LT membrane.

The first photograph below shows the material used during the installation of the lift shaft on Platform 2. The installers have taped all joints and laps in the membrane, to manufacturers specification, using the pre-formed tape joints within the membrane.



The second photograph above shows an example of the sealed lap joints that have been inspected during this visit.

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VERIFICATION ITEM ONE





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VERIFICATION ITEM TWO

LOCATION/GRID LINE: Lift shaft - Platform 2.

NOTES: Sealing of pile heads.

The first photograph below shows an example of a sealed pile head, within the area verified during this visit. The installers have cut the PrePrufe 300R Plus LT membrane tightly around the pile head, and applied the Bituthene Liquid membrane to the pile.

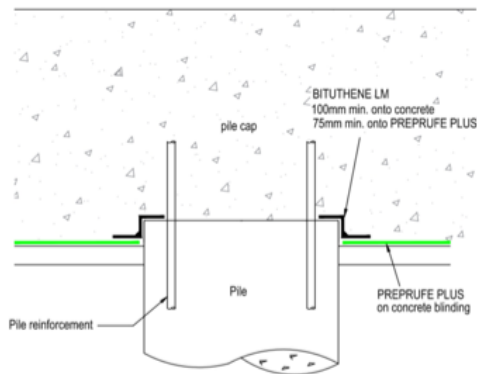


The second photograph below shows the installer from Fastglobe, applying the Bituthene Liquid Membrane to the pile head. The Bituthene has been applied a minimum of 100mm onto the pile, and a minimum of 75mm onto the PrePrufe 300R membrane, as per the design details.

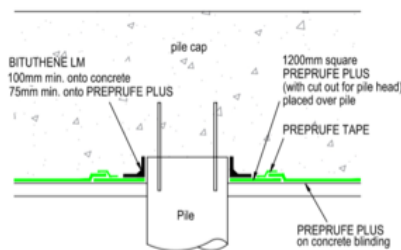
A continuous coating has been applied, with no holes or gaps present.

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VERIFICATION ITEM TWO



PILE DETAIL - LARGE DIAMETER
800MM OR GREATER
SECTION



PILE DETAIL - SMALL DIAMETER
UP TO 800MM
SECTION

Notes

All waterproofing details shown herein should be brought to the attention of the designer of the structure, who is responsible for the waterproofing and structural design and for being aware of all the factors in the structural design that may impact on the waterproofing details, and approved by them in writing. Final decisions and any recommendations must be approved by the designer.

BS8102:2009

6.2.4 The need for continuity in the waterproofing protection should also be considered when selecting a type of protection. In most circumstances, the protection should be continuous.

For product installation this drawing is to be read in conjunction with all relevant product data sheets.

Rev:	Date:	Description:
Scale:	NTS	Project No:
Date:		
Drawn:		Drawing No.:
Checked:		PP03-0516.dwg PP03-0516.rvt

Adcor, Adprufe, Aerofil, BETEC, Bentorub, Bituthene, Hydroduct, Paraseal, Perm-A-Barrier, Preprufe, Preprufe Plus, Servidek, Servijoint, Servipak, Servinufe, Serviseal, Servitite, Silcor, Solarshield and Vertiseal are registered trademarks of GCP Applied Technologies. Armourtape, Bitustik, Colflex, Pak Adhesive, PVC Edgetie, Servitape, Slipstrip and Preprufe ZipLap are trademarks of GCP Applied Technologies. This drawing is Copyright 2016 of GCP Applied Technologies. Permission for copying is granted only to employees, authorised representatives, customers, and specifiers to support the sale or use of GCP Applied Technologies products. All other rights are reserved.



GCP APPLIED TECHNOLOGIES

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Project:

Client:

Title:

The drawing above shows the detail used for sealing the pile heads within the lift

shaft that was verified during this visit.

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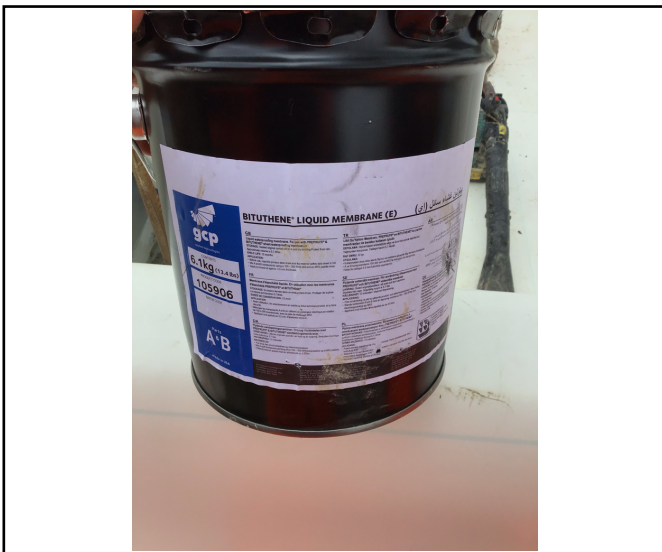
ADDITIONAL PHOTOGRAPHS



Pick and probe test example.



Reinforced corner detail.



Bituthene liquid membrane used

around pile heads.



PrePrufe 300R Plus LT membrane

used on lift shaft.



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GAS MEMBRANE LAP TESTING

[illegible]



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VERIFICATION SUMMARY

This was the first visit to site, where I met initially with the Fastglobe installers.

I was escorted to the area of works, where the installation of PrePrufe 300R Plus LT, to the lift shaft on Platform 2, was due to be verified.

All joints and laps in the membrane were sealed to manufacturers specification, using the taped joints within the material.

All pile heads were also sealed to manufacturers specification and as per the design details, using Bituthene liquid membrane.

A visual, pick and probe examination was carried out to the area of works, with no faults or defects being identified during this visit.

Verified in accordance with CIRIA 735.

GEOSHIELD SIGNATURE:

DATE: 11/11/2020