



GEOSHIELD Verification Report



PROJECT REFERENCE:

GEO101021

REPORT NUMBER:

002

REPORT DATE:

03/03/2020

PROJECT:

McAlear & Rushe

PROJECT ADDRESS:

101 Charles Street

Manchester

M1 6DD

MEMBRANE SPECIFICATION:

Gas membrane to specification BS8485 2015

Installed to CIRIA 735

Visqueen Geoseal Ultimate

Joints extrusion welded

Visqueen GR SAM



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MEMBRANE SPECIFICATION:

DESIGN DETAILS:

Details compiled in PV



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VERIFICATION OFFICER: Chris Ingham

VERIFICATION COMPANY: GeoShield Limited

Icon Business Park, 4100 Park Approach

Thorpe Park, LEEDS

West Yorkshire

LS15 8GB

CONTACT NUMBER: 07555214679

EMAIL ADDRESS: Cingham@geoshield.co.uk

ORDER NUMBER:

PER VISIT: YES:



NO:



PROJECT: YES:



NO:





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CLIENT DETAILS

CLIENT CONTACT:

CONTACTS ROLE:

MOBILE PHONE:

EMAIL ADDRESS:



CLIENT CONTACT:

CONTACTS ROLE:

MOBILE PHONE:

EMAIL ADDRESS:

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APPLICATION TEAM LEADERS

APPLICATOR NAME: Phil Simmons, Dave Bennett, Kristoph

COMPANY: Prestige Air

APPLICATOR TEL:

APPLICATOR EMAIL:

APPLICATOR NAME:

COMPANY:

APPLICATOR TEL:

APPLICATOR EMAIL:

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AREA SURVEYED: Pile Cap on A10 and B6 and Cores D7 and D5

SITE CONDITIONS:

WEATHER: Overcast

TEMPERATURE: 8C

MEMBRANE TEMPERATURE: N/A

RELATIVE HUMIDITY: 68

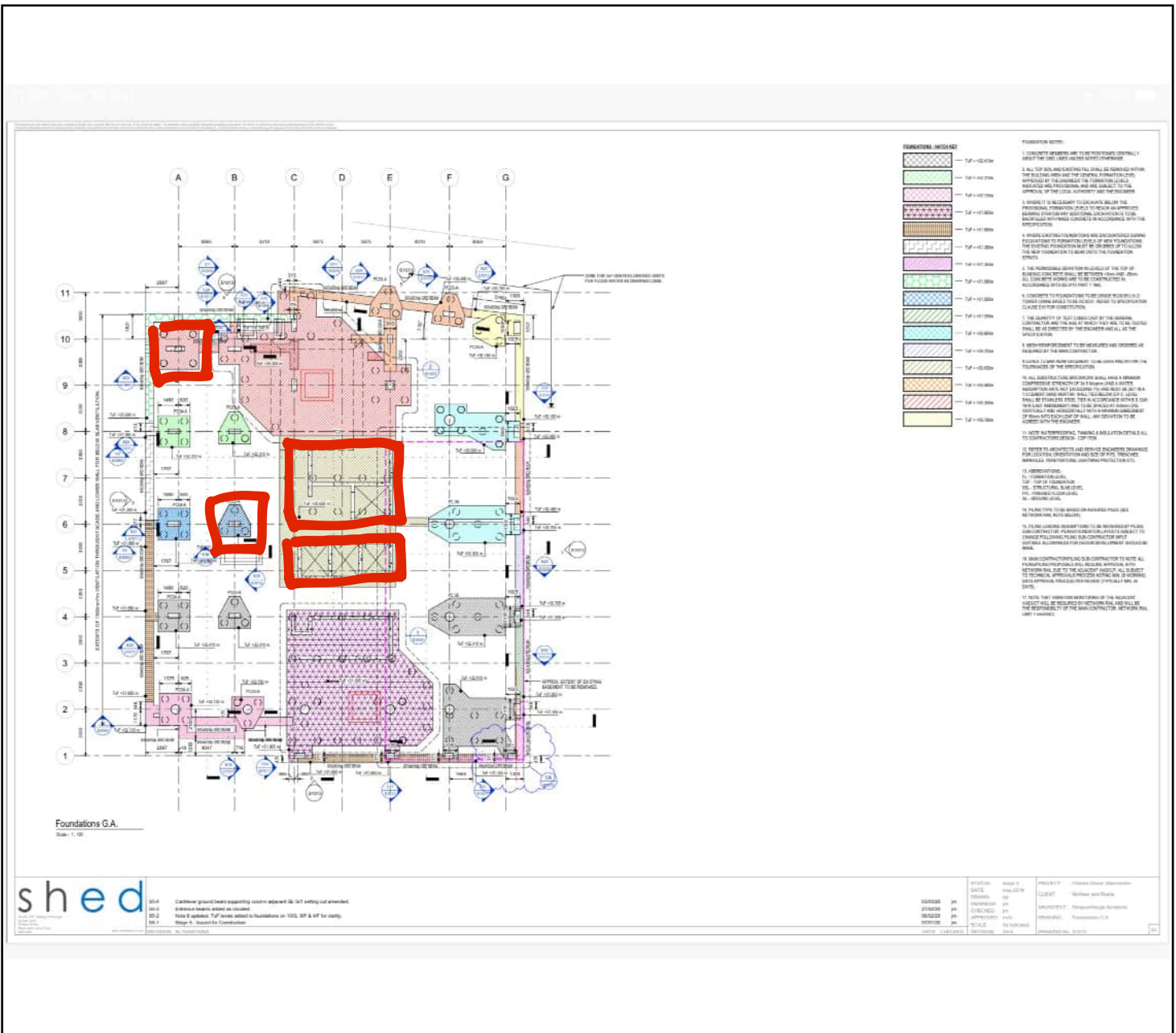
TIME: 14:00 - 15:30 REPORT NUMBER: 002

DATE: 3rd March 2020

ACCOMPANIED



VERIFICATION LAYOUT



Areas verified highlighted above

Pile Cap on A10 and B6 and Cores D7 and D5



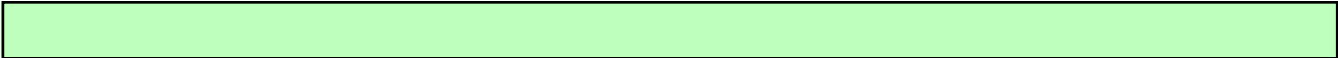
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OVERVIEW PHOTOGRAPHS



Overview of site





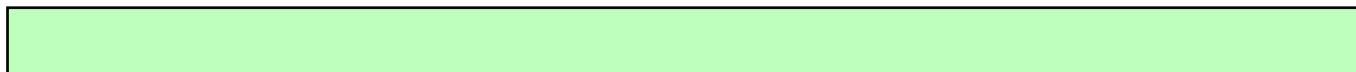
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OVERVIEW PHOTOGRAPHS



Overview of pile cap sealed



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BGA
British Geotechnical Association



VERIFICATION ITEM ONE

LOCATION/GRID LINE: Pile cap on A10

NOTES: Pile cap on A10 wrapped with Visqueen Ultimate

Geoseal with joints hot welded and extrusion welded. Correct spacers used and membrane lapped under pile cap 200mm as per design detail.



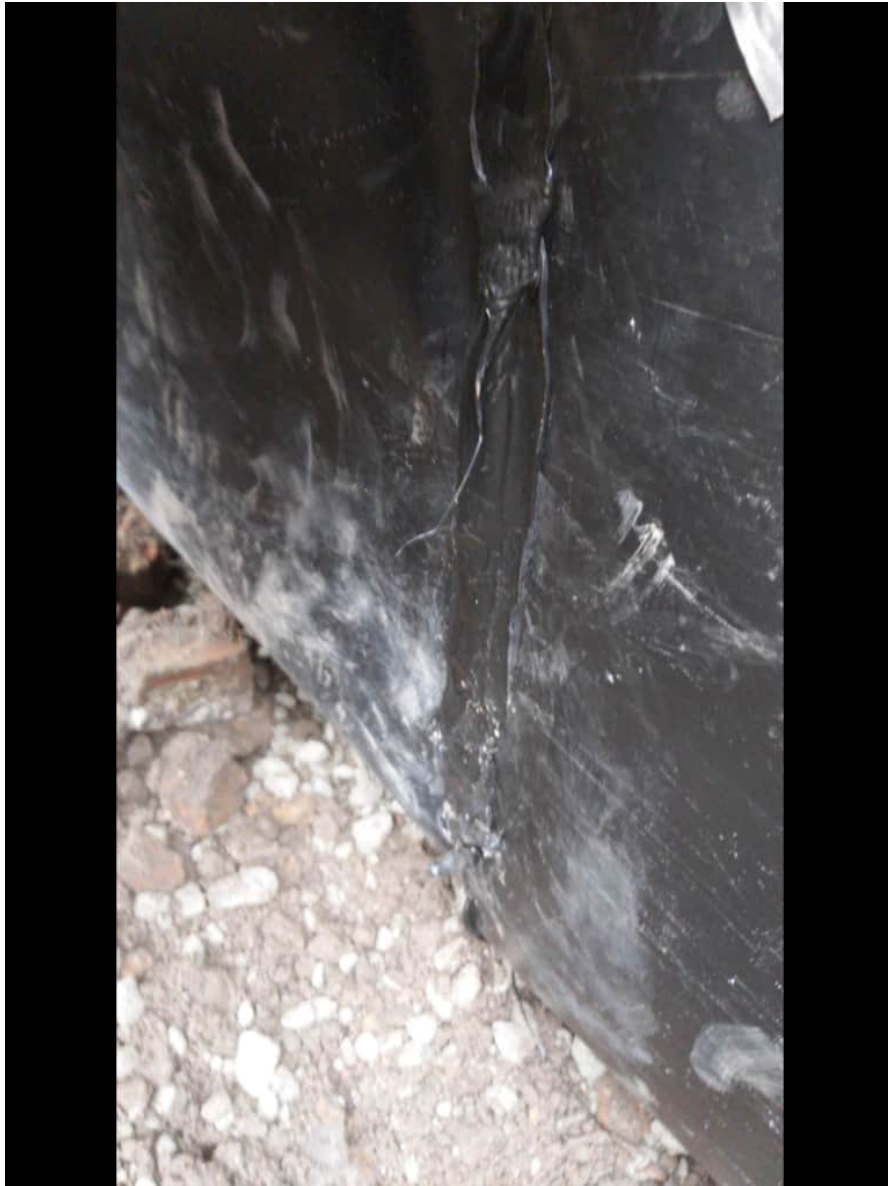
1. Steel rebar covered with tric trac spacers before being wrapped

2. Pile cap wrapped with Geoseal and sealed with extrusion welds

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VERIFICATION ITEM ONE



3. Close up of extrusion weld completed from exterior of pile cap. Joint hot welded

before being extrusion welded.



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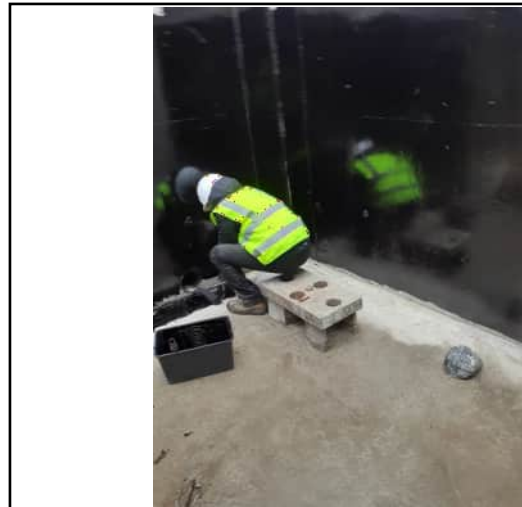
VERIFICATION ITEM TWO

LOCATION/GRID LINE: Core D7 and D5

NOTES: Core D5 is now complete. Core D7 is on going and

requires water removing from the base to allow a good seal with the GR SAM.

Further prep works required on D7 as done with D5



1. Base of D5 swept clear of standing water and dried with a blow torch.

2. Base of D5 dry enough for bitumen primer before GR SAM applied.

D5 core is now complete

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VERIFICATION ITEM TWO



3. D7 core has standing water on the base. GR SAM applied to walls

but the base requires the same prep as carried out on D5 before being

sealed



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VERIFICATION ITEM THREE

LOCATION/GRID LINE: Pile cap B6

NOTES: Pile cap on B6 complete to good standard. Geoseal

wrapped around steel cage with spacers on the vertical. Joints hot welded and

extrusion welded with pegs installed to grip concrete. Passed and verified.



1. Overview of Pile Cap B6 complete

2. Pegs installed to grip concrete and ensure solid bond to pile cap

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VERIFICATION ITEM THREE



3. Minimum 200mm beneath the pile cap, as per the design detail, has
been achieved. Passed and verified.



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ADDITIONAL PHOTOGRAPHS

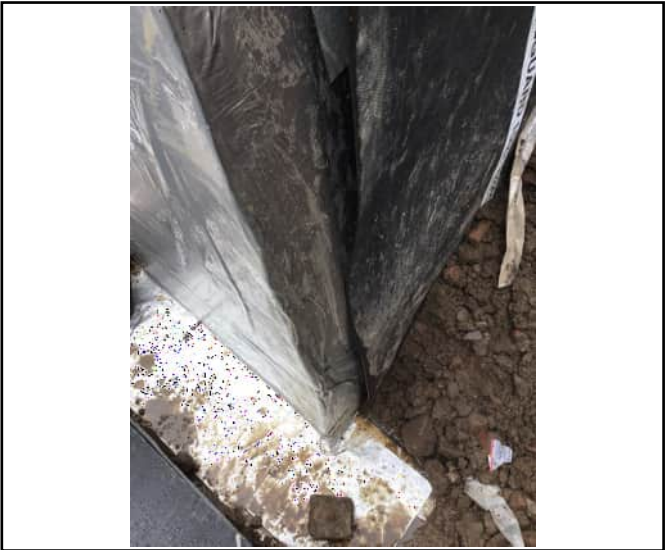


Pick and probe test carried out to D7

core



D5 core is now complete



Final corner of D5 complete



Good overlaps used in D7 core



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VERIFICATION SUMMARY

Report 002 is for Pile Cap on A10 and B6 and Cores D7 and D5.

Both pile caps have been installed and sealed to an excellent standard and

as per design detail. All joints extrusion welded, pegs installed and minimum

200mm beneath the cap maintained.

Core D5 is not complete, protected with protection board and backfilled.

Works to Core D7 is on going. Standing water at the base is preventing

installation of GR SAM. This is to be prepped as in Core D5. D7 core requires

further works to the walls and base.

Pile Cap on A10 and B6 and Cores D5 are now passed and verified in accordance

with BS8485:2019 and CIRIA 735.