



GEOSHIELD Verification Report

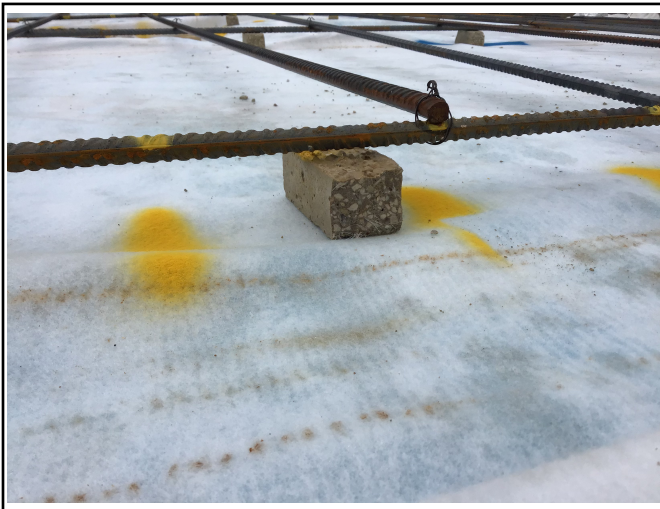


VERIFICATION ITEM TWO

LOCATION/GRID LINE: Upper Raft Slab - Pour 2

NOTES: Fleece and Concrete Spacer Application

Protective Fleece has been installed to the Visqueen Standard Gas Barrier, this is designed to protect the membrane from follow on trade and UV light damage. This has also been overlapped stopping any areas from being exposed.



The left photo shows a roll of Protective Fleece used during the installation.

The right photo shows the fleece installed protecting the membrane from steel mesh and any other follow on trades.

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VERIFICATION ITEM TWO



Concrete spacers have been applied on top of the protective fleece to help reduce the risk of damage that can be caused to the membrane by sharp edges of steel mesh.



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VERIFICATION ITEM THREE

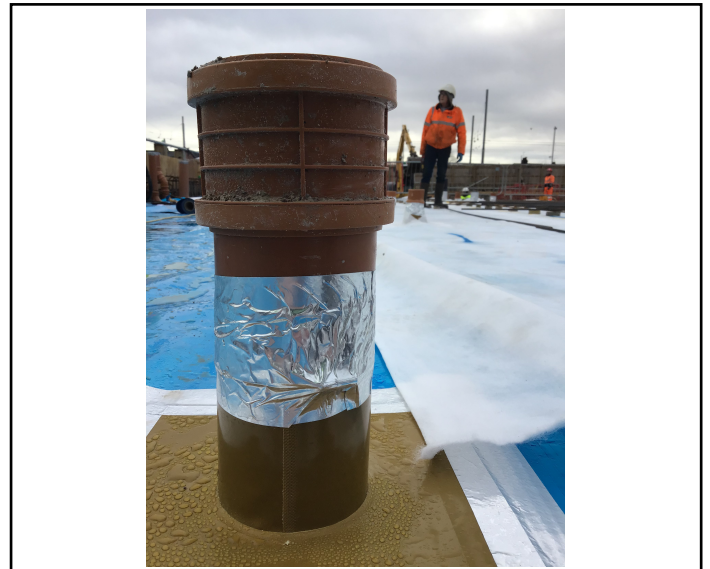
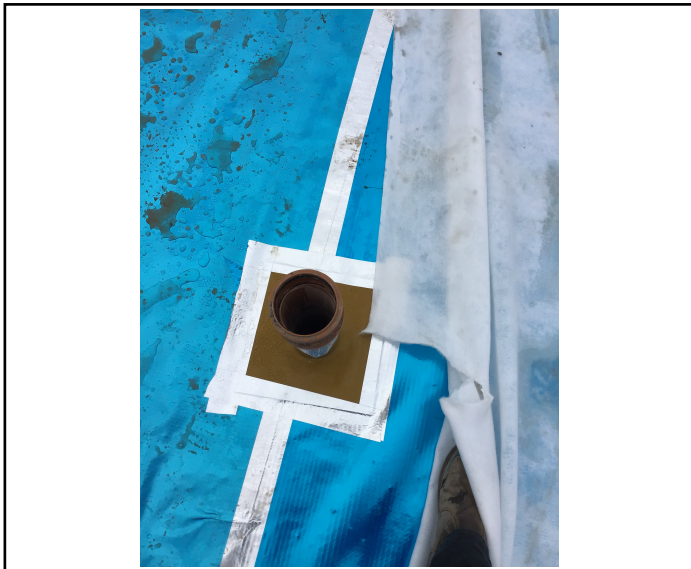
LOCATION/GRID LINE: Upper Raft Slab - Pour 2

NOTES: Sealed Pipe Penetrations

Visqueen Standard Gas Barrier has been cut tight to the pipe penetrations and

Gas resistant double sided butyl tape has been applied to the membrane around the

pipe. The backing has been removed and a preformed top hat has been applied to



the pipe, forming a continuous and complete gas barrier once sealed to the

applied double sided tape. A jubilee clip has been applied to the pipe and the

base has been complete using silver foil tape on the laps of the top hat.



Gridline/Plot Sign off



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VERIFICATION SUMMARY

Visit 004 to this project was to verify the membrane installation to the Upper Raft

Slab - Pour 2. Visqueen Standard Gas Barrier has been installed to manufacturers

specification and design to an excellent overall standard, as have all pipe

penetrations. Protective fleece and concrete spacers have then been applied

to the membrane to avoid any damage caused by follow on trades. No faults

detected during the verification process.

To BS8485 and CIRIA 735

GEOSHIELD SIGNATURE:

DATE: 07/02/2022



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PROJECT REFERENCE: GEO102024

REPORT NUMBER: 005

PROJECT: Abraham moss leisure centre.

PROJECT ADDRESS: Crescent road, Crumpsall

Manchester

M8 5UF.

MEMBRANE SPECIFICATION: Verified in accordance CIRIA 735.

Design in accordance with BS8485 2015 + 2019 for Methane and Carbon Dioxide.

Substrate prepared in-accordance with manufactures instructions and BS8485

Visqueen standard gas barrier & Visqueen treadguard 300

VisqueenUltimate double sided joint tape & Visqueen GR foil lap tape.

Visqueen GRSAM & Visqueen ultimate detailing strip.

Visqueen Axiom Uniseal & Visqueen HP tanking primer.

Preformed tophats



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MEMBRANE SPECIFICATION:

DESIGN DETAILS:

Material specification technical data sheets

Ramboll 2019 Interpretative Report

Swimming Pool Sequence - Gas Membrane, Basement Slabs, Basement Walls,

Lytag Pour and Internal Manholes

Construction Considerations

4538-01 - Typical Lift Pit Detail / 4538-02 - Typical Service Pipe Penetration Detail

4538-04 - Typical Manhole Detail / 4538-05 - Foundation Section F16

LP44107-RAM-B01-FN-DR-S-12101_Ver5 - Foundation Slab Sections Sheet 1

LP44107-RAM-B01-FN-DR-S-12102_Ver7 - Foundation Slab Sections Sheet 2

LP44107-RAM-B01-FN-DR-S-12103_Ver2 - Foundation Slab Sections Sheet 3

LP44107-RAM-B01-FN-DR-S-12104_Ver1 - Foundation Slab Sections Sheet 4

LP44107-RAM-B01-FN-DR-S-12105_Ver2 - Foundation Slab Wall Elevations

LP44107-RAM-B01-FN-DR-S-14001_Ver5 - Foundation Slab Layout Sheet 1

LP44107-RAM-B01-FN-DR-S-14002_Ver5 - Foundation Slab Layout Sheet 2

LP44107-RAM-B01-FN-DR-S-14003_Ver6 - Foundation Slab Layout Sheet 3



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MEMBRANE SPECIFICATION:

DESIGN DETAILS:

LP44107-RAM-B01-FN-DR-S-14004_Ver1 - Basement Recess Setting Out Plan 1

LP44107-RAM-B01-FN-DR-S-14006_Ver1 - Lower Slab Wall Layout

LP44107-RAM-B01-FN-DR-S-14007_Ver1 - Foundation Slab Layout Plantroom GA

LP44107-RAM-B01-FN-DR-S-14100_Ver5 - Raft Slab & Walls Pour Sequence

Radon Maps UK - (Map 1) Site Location & (Map 2) Nearby Location



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VERIFICATION OFFICER: Finlay Todd

VERIFICATION COMPANY: GeoShield Limited

Icon Business Park, 4100 Park Approach

Thorpe Park, LEEDS

West Yorkshire

LS15 8GB

CONTACT NUMBER: 07502303462

EMAIL ADDRESS: Ftodd@geoshield.co.uk

ORDER NUMBER: Phillip (Laing O'Rourke)

PER VISIT: YES:

☐

NO:



PROJECT: YES:



NO:

☐



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CLIENT DETAILS

CLIENT CONTACT:	Callum Alderton
CONTACTS ROLE:	
MOBILE PHONE:	07384 870 741
EMAIL ADDRESS:	CAlderton@laingrourke.com



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

APPLICATOR NAME: Jordan Rigby

COMPANY: Expanded

APPLICATOR TEL: 07935418381

APPLICATOR EMAIL: Jordan.rig1991@gmail.com

APPLICATOR NAME:

COMPANY:

APPLICATOR TEL:

APPLICATOR EMAIL:

NOTES: The dedicated gas membrane installers for Expanded have received tool-

NOTES: box talk training from Visqueen. They are deemed competent and trained

NOTES: to undertake the gas membrane installation throughout this project.

NOTES: Standard of works will closely monitored throughout each verification visit.



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AREA SURVEYED: Upper Raft Slab - Pour 3

SITE CONDITIONS:

WEATHER: Heavy Rain

TEMPERATURE: 3c

MEMBRANE TEMPERATURE: N/a

RELATIVE HUMIDITY: N/a

TIME: 09:00-10:30

REPORT NUMBER: 005

DATE: 16/02/2022

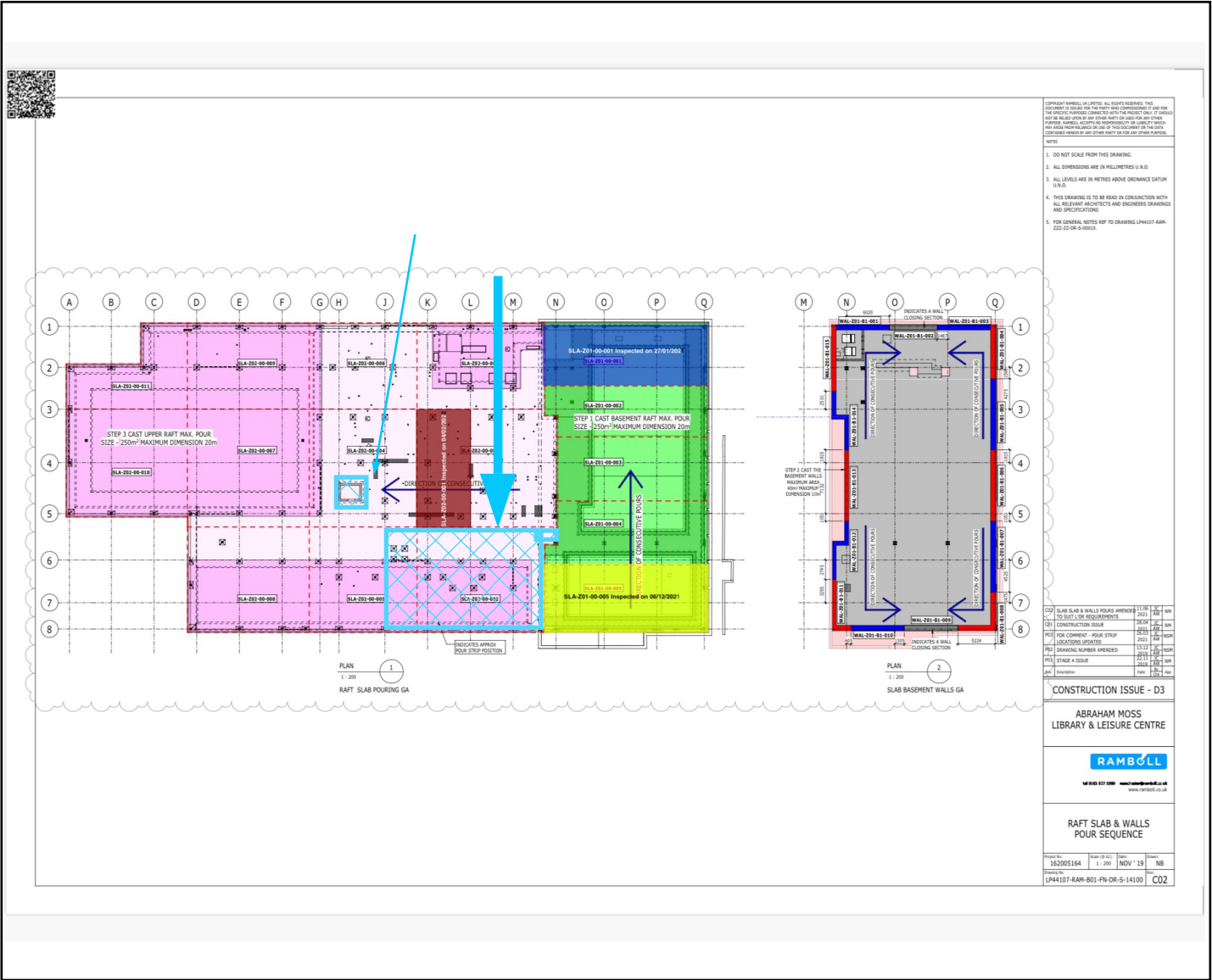
ACCOMPANIED Phillip (Laing O'Rourke)



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VERIFICATION LAYOUT



Overview of verified area

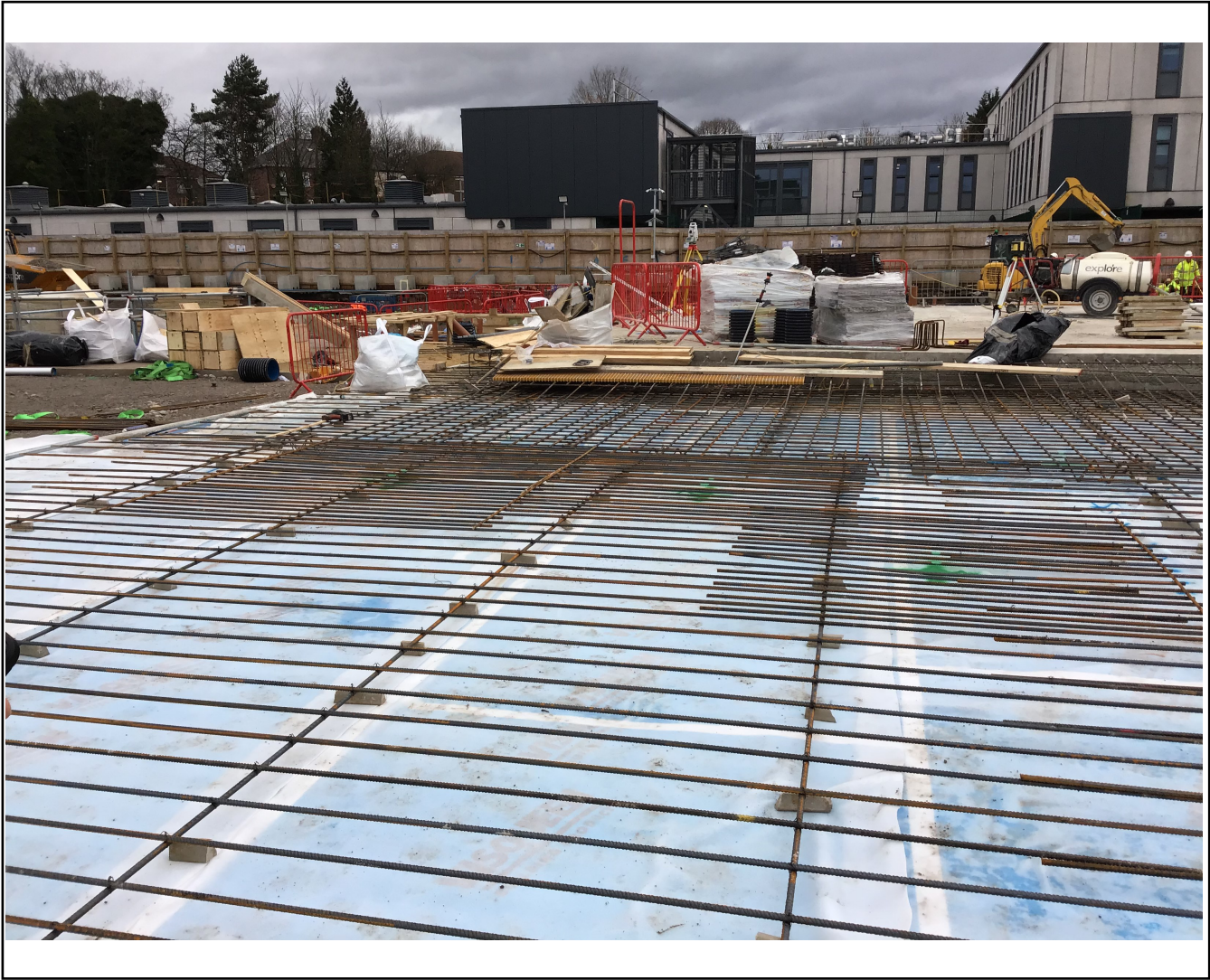
Upper Raft Slab - Pour 3



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OVERVIEW PHOTOGRAPHS



Overview photograph of the area verified during this visit.