



GEOSHIELD

Verification Report



PROJECT REFERENCE:

GEO101021

REPORT NUMBER:

005

REPORT DATE:

06/05/20

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

Visqueen GR SAM

Visqueen HP Tanking Primer

Visqueen Retaining Discs

Visqueen Protect and Drain



GEOSHIELD Verification PLAN



SPECIFICATION:

DRAWINGS ISSUED

S1010_Foundation GA_S5-4

Section 32 - Service Trench

TR-10227-A-G251-DE-E1-001

TR-10227-A-G251-DE-E1-002

TR-10227-A-G251-DE-E1-003

TR-10227-A-G251-DE-E1-007_P2

TR-10227-A-G251-DE-N1-001

TR-10227-A-G251-DE-S1-001

TR-10227-A-G251-DE-W1-001

TR-10227-A-G251-DE-W2-001

TR- Central Core V2

Information presented to at the pre-verification stage assumed correct

Any change client will let GeoShield know or this Pre-verification Plan will be void.



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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:

NOTES:

NOTES:

NOTES:



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APPLICATION TEAM LEADERS

APPLICATOR NAME: Harry Stevens, Lee Barnes, Kristoph,

COMPANY: Prestige Air

APPLICATOR TEL:

APPLICATOR EMAIL:

APPLICATOR NAME:

COMPANY:

APPLICATOR TEL:

APPLICATOR EMAIL:

NOTES:

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AREA SURVEYED:

Gridlines 9-10.5 & A-D

Gridlines 1-2 & A-C

SITE CONDITIONS:

WEATHER:

Overcast

TEMPERATURE:

7C

MEMBRANE TEMPERATURE:

N/A

RELATIVE HUMIDITY:

69

TIME:

07:00 - 09:00

REPORT NUMBER:

005

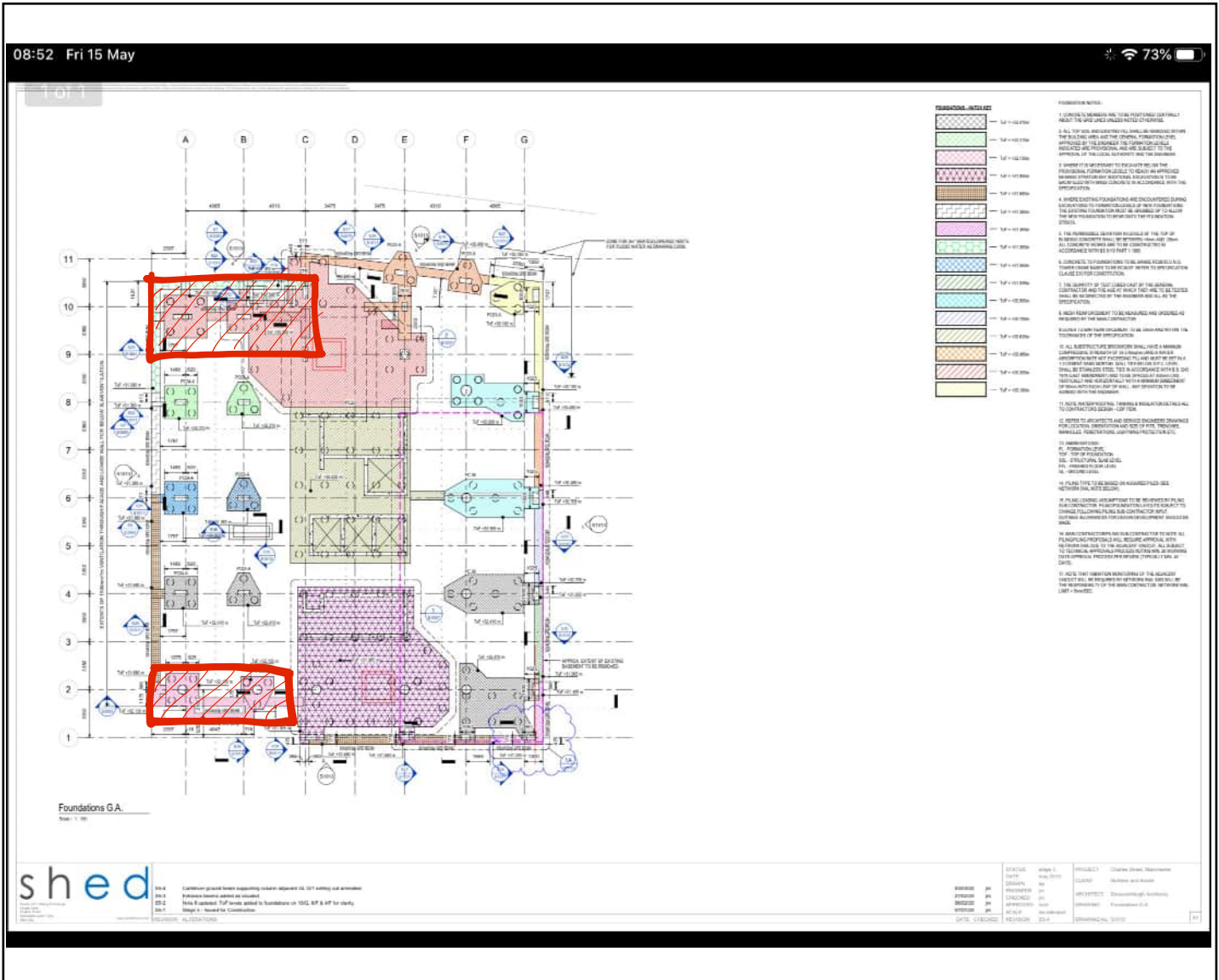
DATE:

06/05/2020

ACCOMPANIED



VERIFICATION LAYOUT



Gridlines 9-10.5 & A-D and Gridlines 1-2 & A-C

Verified in this report as highlighted above



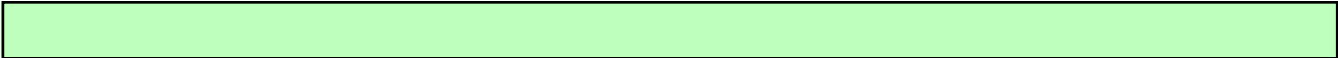
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OVERVIEW PHOTOGRAPHS



Overview of Site

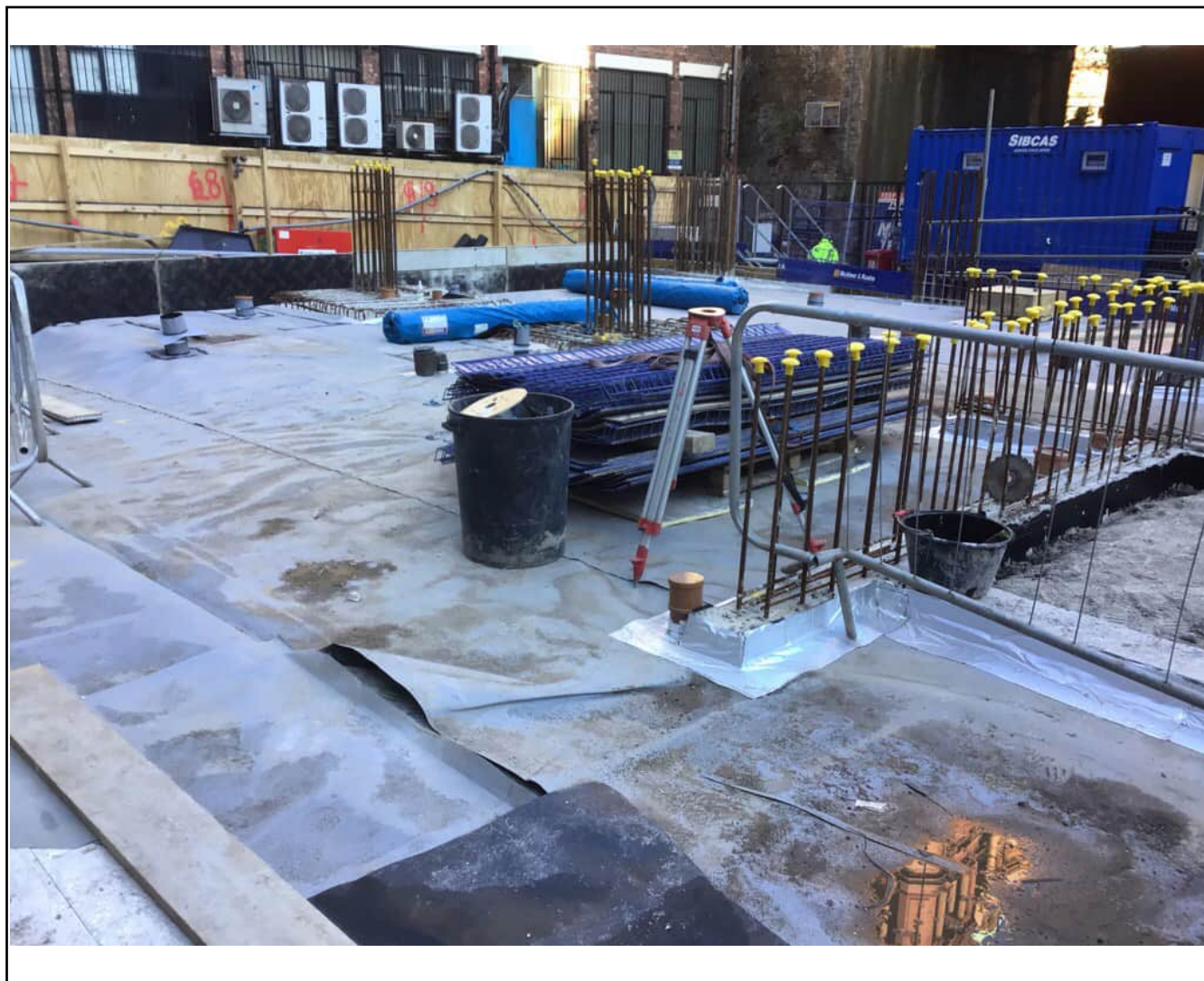




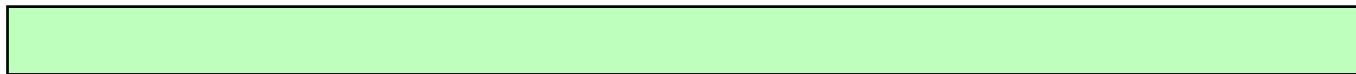
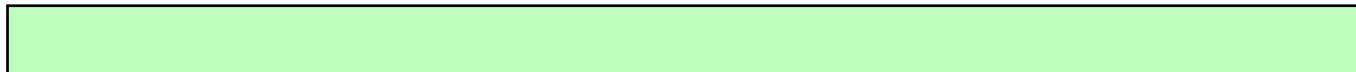
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OVERVIEW PHOTOGRAPHS



Overview of Gridline 7-11



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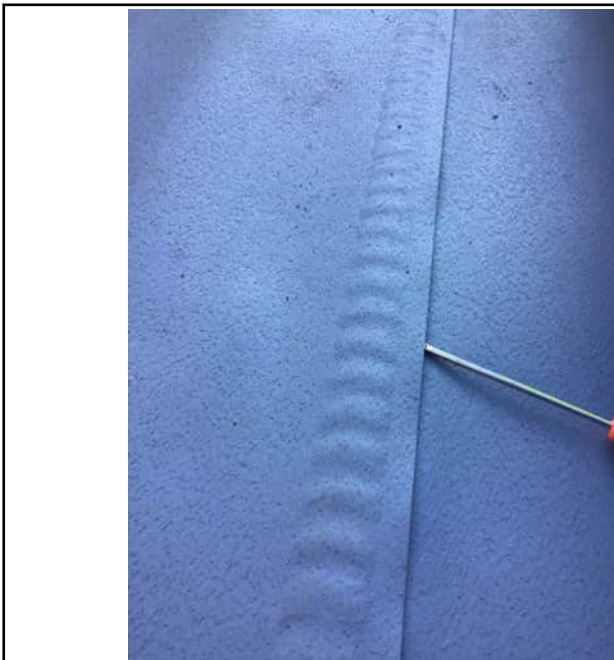


VERIFICATION ITEM ONE

LOCATION/GRID LINE: Gridlines 9-10.5 & A-D

NOTES: Joints in Visqueen Ultimate Geoseal sealed with Pro

Demtech Welder and Hot Weld with Extrusion Weld. All joints visually inspected and tested with pick and probe. Excellent installation throughout, no faults found.



1. Pro Demtech welded with pick and probe.

2. Transition from Pro Demtech to Extrusion welds tested. All sealed.

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VERIFICATION ITEM ONE



3. Overview of joints sealed with extrusion welder. Excellent installation throughout with no faults found. Passed and verified.



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VERIFICATION ITEM TWO

LOCATION/GRID LINE: Gridlines 9-10.5 & A-D

NOTES: Visqueen Ultimate Geoseal sealed to GR SAM previously

installed on R.C. walls with GR SAM strips. All works visually inspected to ensure

consistent seal and tested with pick and probe to ensure good bond achieved.

Excellent installation throughout, no faults found.



1. Overview of perimeter detail sealed with GR SAM to GR SAM.

2. Pick and probe test carried out to ensure good bond achieved.

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VERIFICATION ITEM TWO



3. Pick and probe test carried out to ensure previously installed GR SAM

still has good bond before concrete pour. Excellent installation.

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VERIFICATION ITEM THREE

LOCATION/GRID LINE: Gridlines 9-10.5 & A-D

NOTES: Pipe penetrations through Visqueen Ultimate Geoseal

sealed with preformed top hats or GR SAM where pipe requires. Pick and probe
carried out, again, no faults found, excellent installation.



1. Overview of pipe penetrations sealed.

2. Extrusion weld to Pro Demtech weld sealed.

Excellent installation

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VERIFICATION ITEM THREE



3. Overview of extrusion welds fully sealed.

Passed and verified.



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GAS MEMBRANE TESTING

VISUAL:	☐ YES	☒	☐ NO	☐	SMOKE TEST:	☐ YES	☐	☐ NO	☒
COMPRESSED AIR:	☐ YES	☐	☐ NO	☒	DILECTIC	☐ YES	☐	☐ NO	☒
DESTRUCTIVE:	☐ YES	☐	☐ NO	☒	OTHER:	☐ YES	☒	☐ NO	☐
Testing checklist attached:	☐ YES	☐	☐ NO	☐					

Gridline/Plot Sign off

Gridline/Plot Sign off	Crane Base edges and Core edge	☒
Gridline/Plot Sign off	Pile Cap on A10 and B6	☒
Gridline/Plot Sign off	Core on D5	☒
Gridline/Plot Sign off	Core on D7	☐
Gridline/Plot Sign off	Gridline 5-10 A-C	☒
Gridline/Plot Sign off	Gridlines 7-9.5 and A-D	☒
Gridline/Plot Sign off	Gridlines 10.5-11 and A-D	☒
Gridline/Plot Sign off	Gridlines 9-10.5 & A-D	☒
Gridline/Plot Sign off	Gridlines 1-2 & A-C	☒
Gridline/Plot Sign off		☐
Gridline/Plot Sign off		☐
Gridline/Plot Sign off		☐



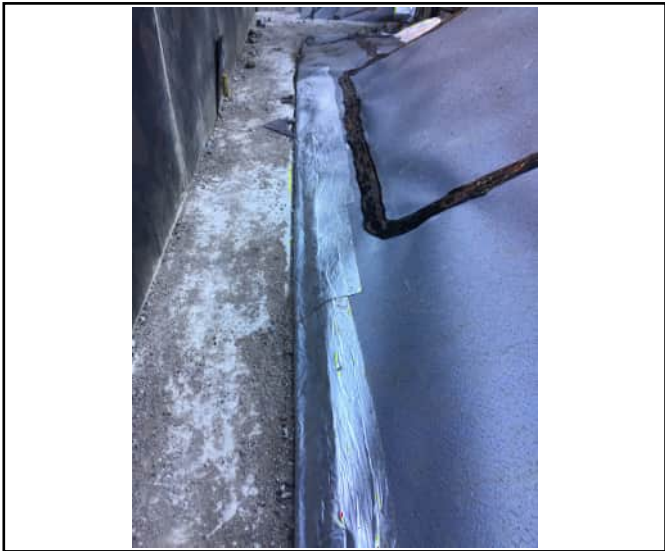
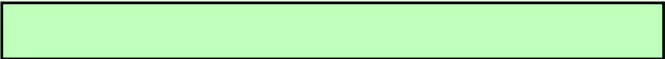
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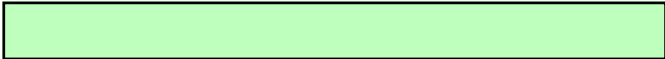
ADDITIONAL PHOTOGRAPHS



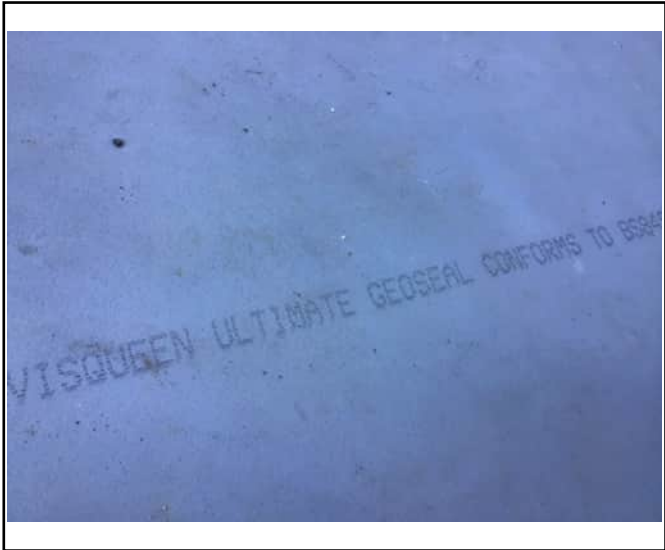
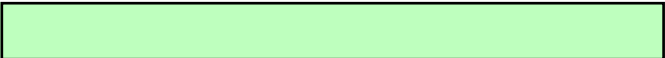
Extrusion welds



Link at perimeter sealed



Extrusion welds on the slope



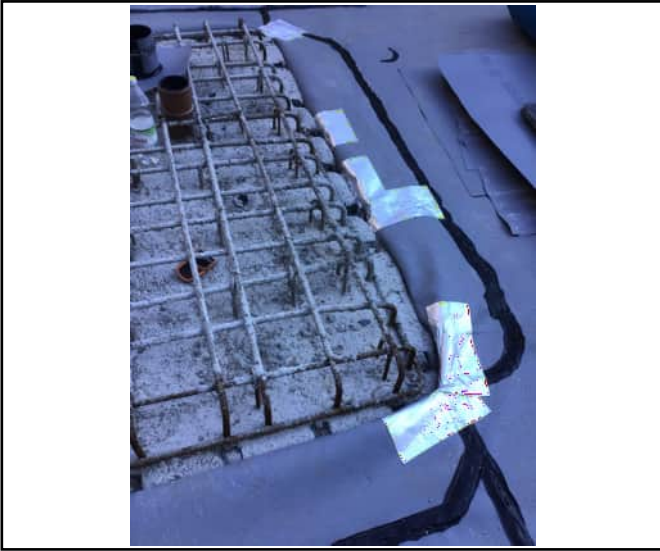
Visqueen Ultimate Geoseal

manufacturers stamp

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ADDITIONAL PHOTOGRAPHS



Corners to piles caps now sealed



Faults remediated



Visqueen GR SAM



Visqueen Geoseal Ultimate



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ADDITIONAL PHOTOGRAPHS



Next section to install in insulation

board



Membrane to connect ring beam

to retaining wall



Overview of verified section



Overview of Gridline 5-7 being

prepped for membrane



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VERIFICATION SUMMARY

Report 005 is for Gridlines 9-10.5 & A-D and Gridlines 1-2 & A-C.

Visqueen Ultimate Geoseal installed throughout. Joints sealed with Pro Demtech

Welder or Extrusion Welder throughout. Pipe pens sealed with GR SAM or

Preformed Top Hats. Perimeter details sealed with GR SAM.

Visual inspection and pick and probe carried out. This is an excellent installation

with attention to detail throughout.

Passed and verified in accordance with BS8485:2019 and CIRIA 735.

GEOSHIELD SIGNATURE:

DATE: 06/05/2020