



GEOSHIELD Verification Report



PROJECT REFERENCE:

GEO10

REPORT NUMBER:

002

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



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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: 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: 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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APPLICATION TEAM LEADERS

APPLICATOR NAME: Ermal

COMPANY: GCL - Site Engineer

APPLICATOR TEL: 07479553833

APPLICATOR EMAIL:

APPLICATOR NAME: Adrian Toderasc

COMPANY: GCL

APPLICATOR TEL:

APPLICATOR EMAIL:

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AREA SURVEYED: Block D1 - Core - Middle and Upper

Pump Chamber Base

SITE CONDITIONS:

WEATHER: Clear

TEMPERATURE: 14C

MEMBRANE TEMPERATURE: N/A

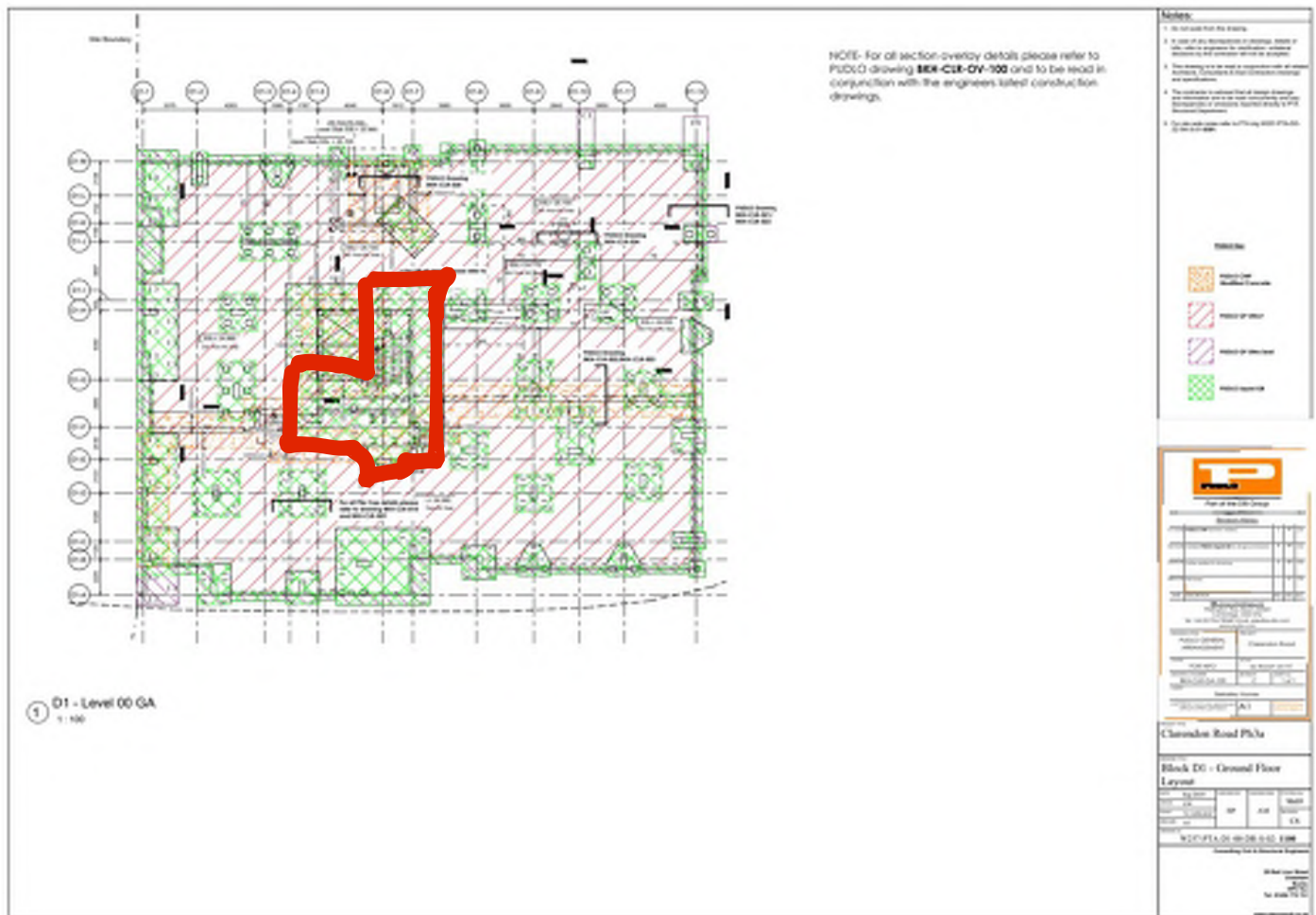
RELATIVE HUMIDITY: 62

TIME: 12:30 - 14:30

REPORT NUMBER: 002

DATE: 12th November 2020

ACCOMPANIED: Ermal - GCL Site Engineer



Highlighted above



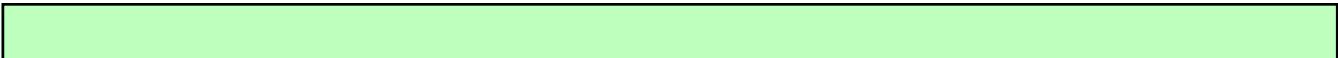
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OVERVIEW PHOTOGRAPHS



Overview of D1 Core - Upper





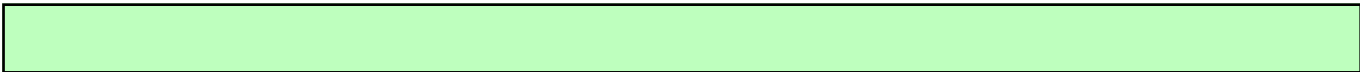
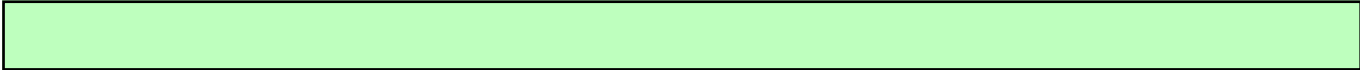
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OVERVIEW PHOTOGRAPHS



Overview of D1 Core - Middle





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OVERVIEW PHOTOGRAPHS



Pump Chamber Base



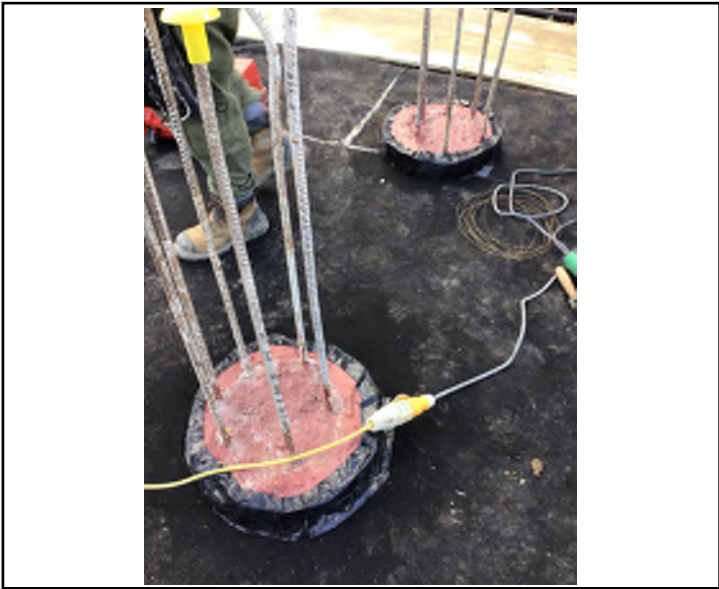
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LIMITATIONS

SURVEY AREA: Block D1 - Core - Middle and Upper

RESTRICTIONS AND LIMITATIONS: All areas accessible for inspection.



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BGA



VERIFICATION ITEM ONE

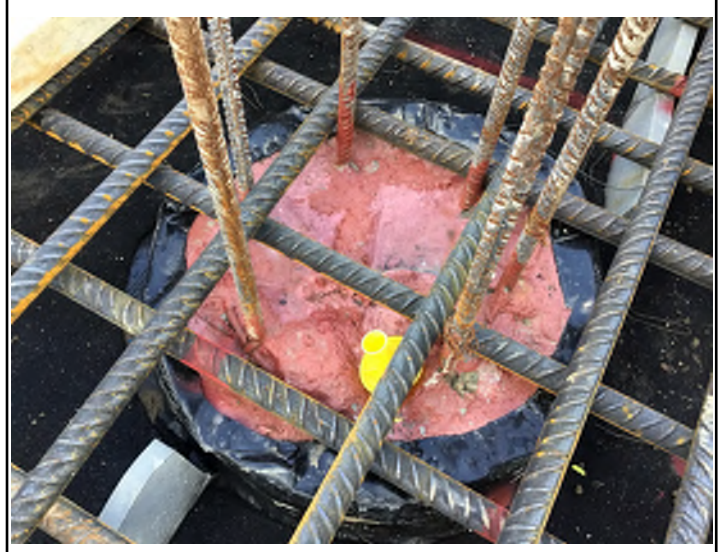
LOCATION/GRID LINE: Block D1 - Core - Middle and Upper

NOTES: Pile heads sealed to high standard. All works visually

inspected and tested with pick and probe to ensure good bond achieved. Double sided

tape installed around all pile heads to seal to Pudlo GP Ultra + Gas Barrier. Good

covering of Pudlo Liquid Gas Barrier to all pile heads.



1. Photo evidence

2. Photo evidence

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VERIFICATION ITEM ONE



3. Photo evidence. Double sided tape visible. Pick and probe to ensure all the way around pile head and good consistent seal achieved.



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VERIFICATION ITEM TWO

LOCATION/GRID LINE: Block D1 - Core - Middle and Upper

NOTES: All works visually inspected and only one area of damage

detected. Corner damaged during install of rebar. This was patch repaired and sealed

during inspection. Passed and verified.



1. Corner of Pudlo GP Ultra+ damaged

2. Patch repaired during inspection

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VERIFICATION ITEM TWO



3. Patch repair made during inspection.

Excellent standard of installation and patch repair.

Passed and verified.



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VERIFICATION ITEM THREE

LOCATION/GRID LINE: Block D1 - Core - Middle and Upper

NOTES: All joints hot welded to good standard. Where required

joints reinforced with jointing tape. Visual inspection and pick and probe carried out

and all joints sealed to high standard with no faults found.



1. Pick and probe test carried out

2. Overview of joints and T Junctions all fully sealed

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VERIFICATION ITEM THREE



3. Patch repair had been made prior to inspection as installers have taken

great care to ensure membrane fully sealed.

Excellent installation throughout.



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ADDITIONAL PHOTOGRAPHS



Pudlo 100mm double sided butyl tape



Pudlo Liquid Gas Barrier used on

pile Heads



Pudlo jointing tape used on joints and

sealing to sealed pile heads



Pile head fully sealed



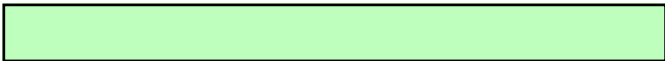
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ADDITIONAL PHOTOGRAPHS

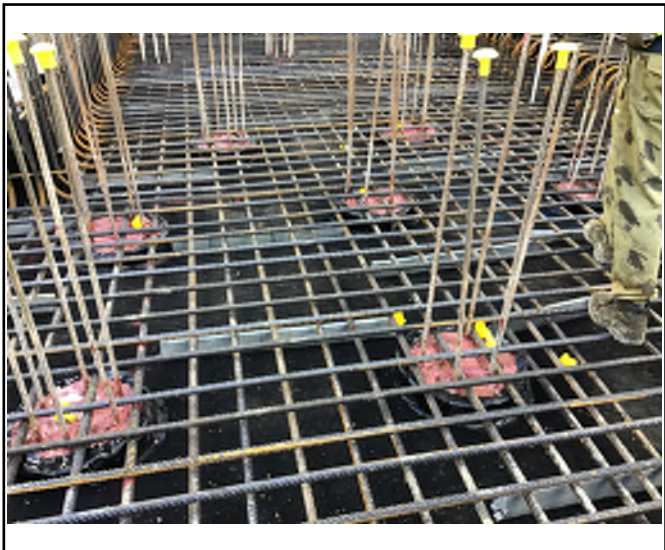


Tric trac spacers to vertical

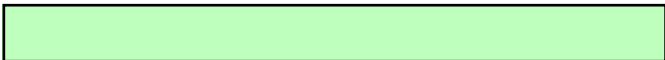


Pump chamber base tested with

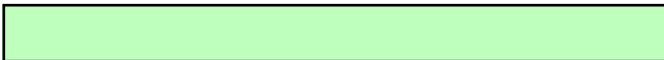
pick and probe



Overview of middle section



Pile heads all sealed



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ADDITIONAL PHOTOGRAPHS



Last section of installation witnessed



Pile heads fully sealed



Pile heads fully sealed to Pudlo

GP Ultra +



Overview of verified area



Gridline/Plot Sign off



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VERIFICATION SUMMARY

Report 002 is for Block D1 - Core - Middle and Upper and Pump Chamber Base.

All works visually inspected and tested with pick and probe. Installation has

been carried out as per the design to a high standard. All pile heads are fully

sealed and linked to Pudlo GP Ultra+. Joints hot welded, visually inspected and

tested with pick and probe and no faults found.

Excellent install.

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

GEOSHIELD SIGNATURE:

DATE: 12th November 2020