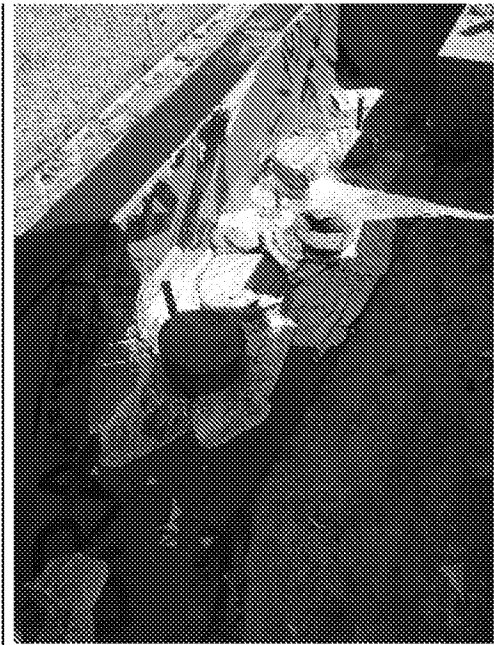
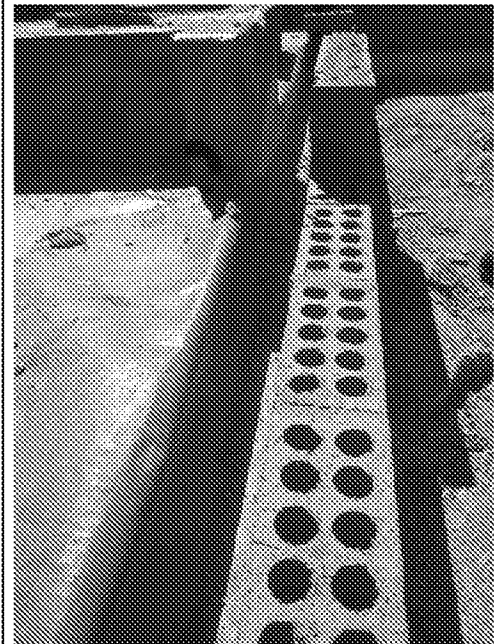
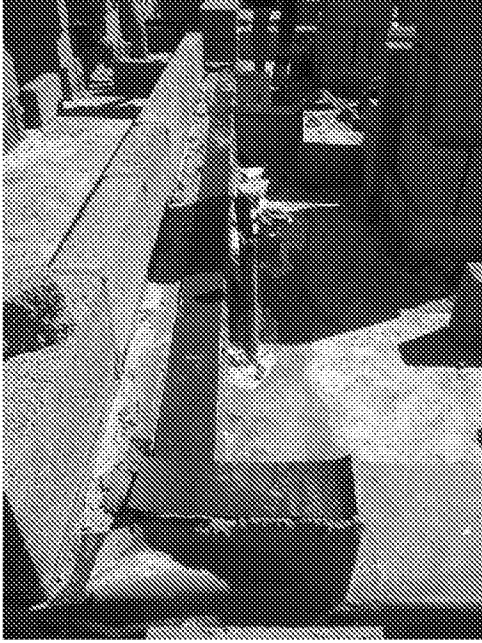




Block A services



Block A cavity



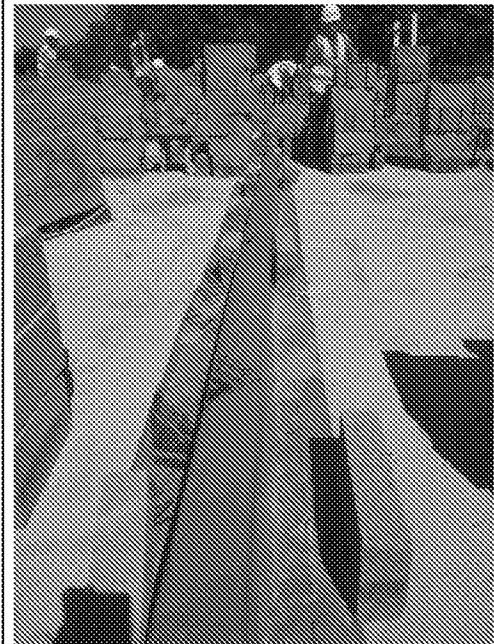
Block A tape under blockwork



Block A corner



Block A water



Block A overview



Block B pit



Block B damage



Block B overview



Plot 3 overview



Plot 3 services



Plot 3 under stairs



Plot 3 overview

5. PASS/FAIL

The gas protection measures inspected: Are acceptable & comply with the specification

Details of issues

Approved by

 Fiona Goode

Date 29/07/2020

Project Name	Cornfield Close Validation
Project No.	GE18103
Client	Thakeham Homes
Geo-Environmental Project Manager's Email	[REDACTED]
Date	10/08/2020, 12:04
Site Engineer	[REDACTED]
 Katie O'Dea	[REDACTED]
Weather at time of inspection	Hot, sunny, humid
Gas Characteristic Situation	Characteristic Situation 2
Type of development and building/block checked	Residential
Plot No.	Plots 4-5 whole floor, Block B Plots 66-77 perimeter only
Foundation Type	Suspended
Gas Protection Type	Passive
What is being inspected	☐ Venting ☒ Membrane ☐ Venting and Membrane

1. MEMBRANE

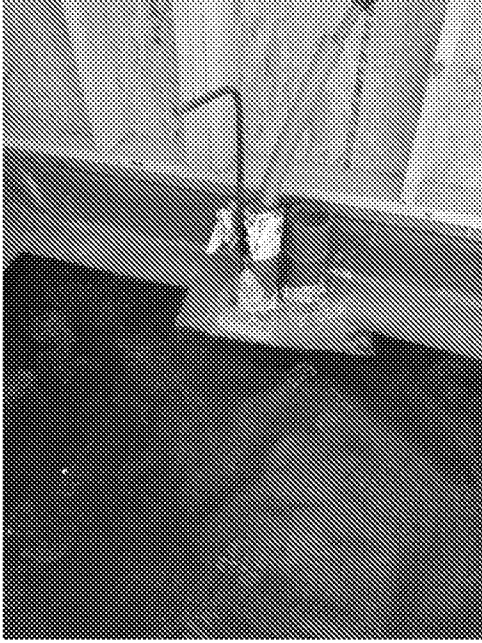
1.1 Condition of sub-grade and underside of membrane	Sub grade and underside of membrane in good condition.
1.2 Gas membrane type	Keytec 400 gas membrane and black unbranded gas membrane.
1.3 Gas membrane condition	Membrane in good condition.
Jointing tape product	Heat welded joints. Tape used for service seals. Black putty tape between membrane and timber frame to seal screw holes
1.5 Lapping design	Welded lapping. Min 150mm.
1.6 Laps, welds and joints seals	Heat sealed welds in good condition.
1.7 Service seals	Services sealed with double sided tape and membrane. All in good condition.

4. PHOTOGRAPHS

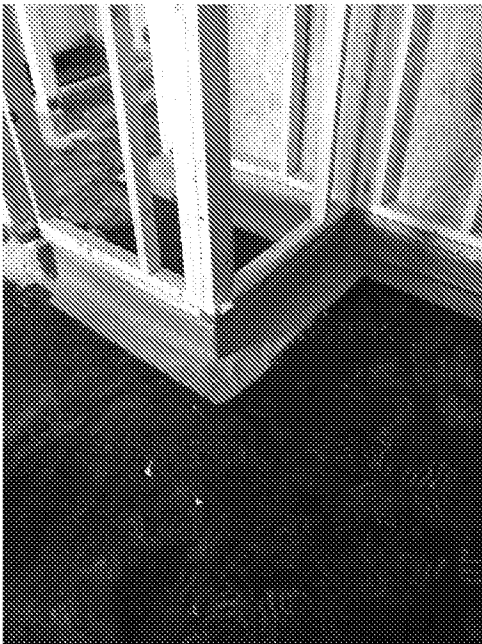
Photographs

(20 records)

Photograph	Photograph Title



Plot 4 - service seal



Plot 4 - join between wall and floor



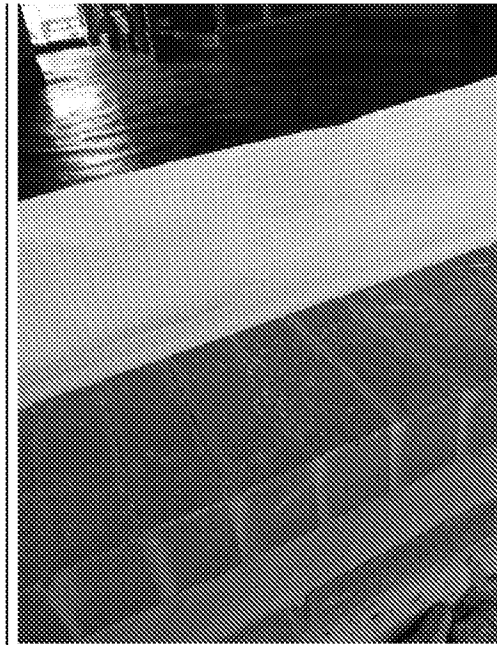
Plot 4 - Threshold



Plot 4 - Black putty tape sealant
under frame



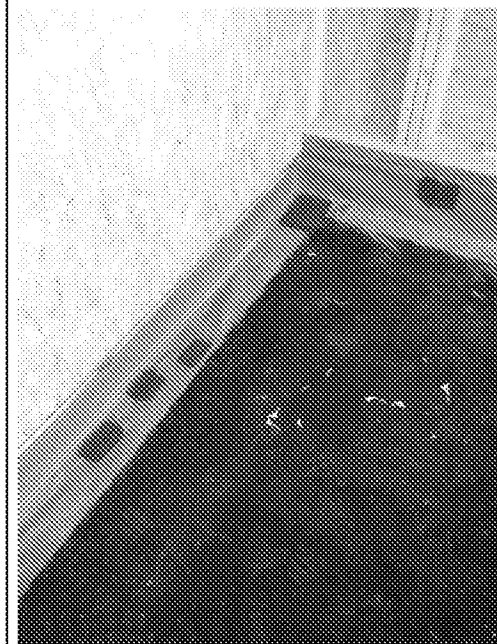
Plot 4 - Patching of any holes has
already been completed



Plot 4 - underside of membrane in good condition



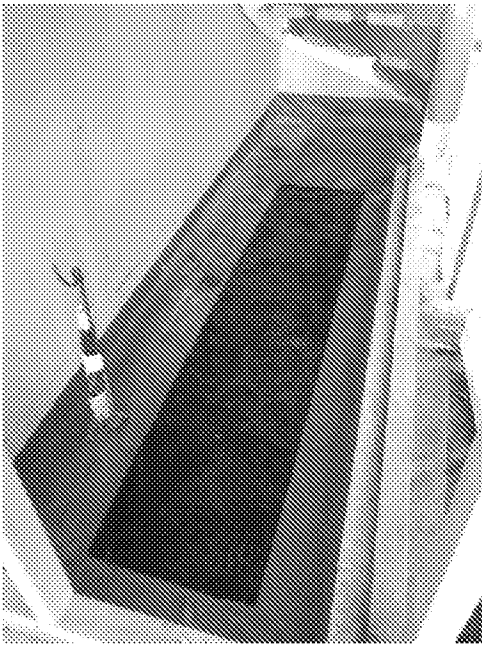
Plot 5 -Threshold corner detail



Plot 5 - Patching of holes already complete



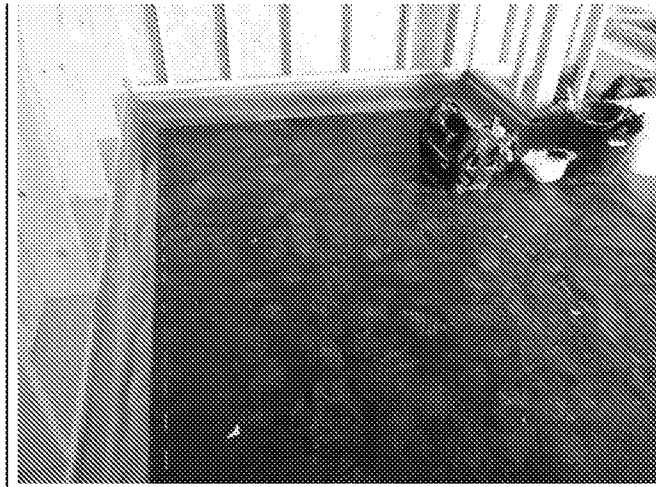
Plot 5 - Threshold



Plot 5 - under stairs and service seal.



Plot 5 - service seal



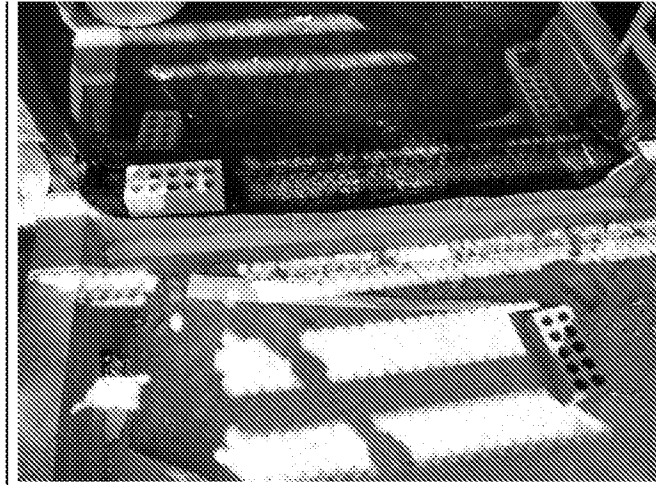
Plot 5 - floor



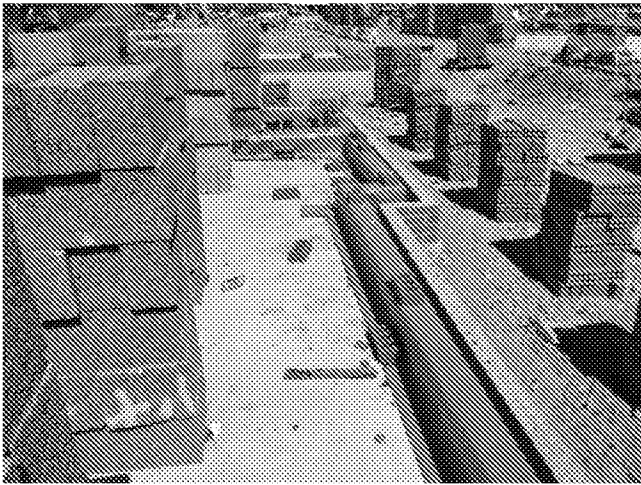
Plot 5 - Corner detail



Plot 5 - floor



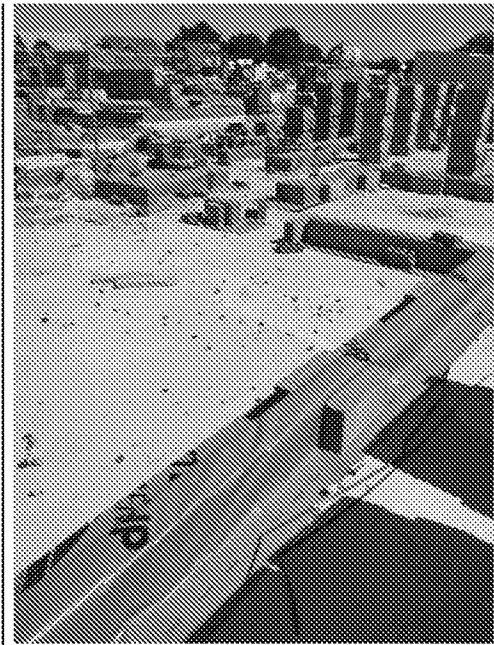
Plot 5 - threshod



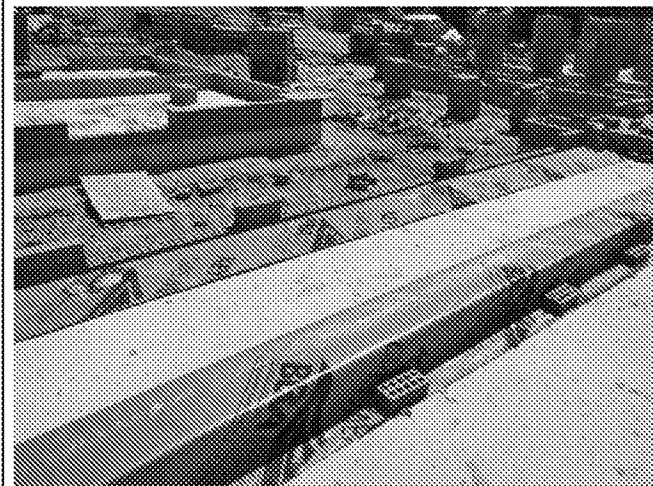
Block B - perimeter



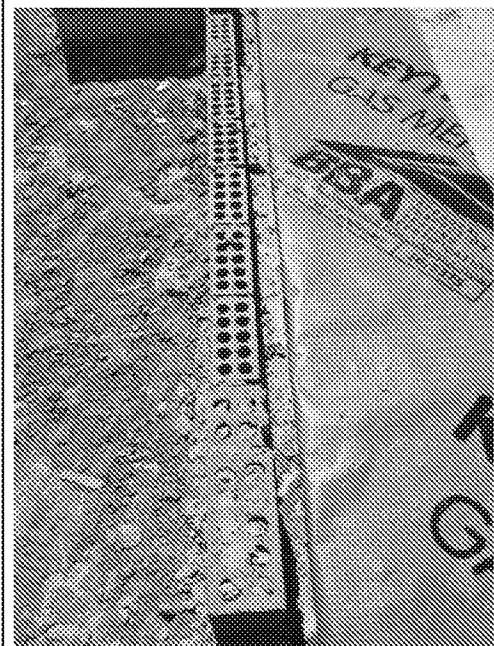
Block B - services not yet sealed



Block B - membrane



Block B - Threshold



Block B - Threshold

5. PASS/FAIL

Gas Protection Measures Inspection Report

The gas protection measures inspected: Are acceptable & comply with the specification

Details of issues

Approved by

 Fiona Goode

Date 10/08/2020

Project Name	Cornfield Close
Project No.	GE18103
Client	Thakeham Homes
Geo-Environmental Project Manager's Email	[REDACTED]
Date	13/08/2020, 13:20
Site Engineer	[REDACTED]
 Fiona Goode	[REDACTED]
Weather at time of inspection	Overcast, warm, humid, slight breeze
Gas Characteristic Situation	Characteristic Situation 2
Type of development and building/block checked	Semis detached house
Plot No.	Plot 6 and 7 (floor area)
Foundation Type	Suspended
Gas Protection Type	Passive
What is being inspected	☐ Venting ☒ Membrane ☐ Venting and Membrane

1. MEMBRANE

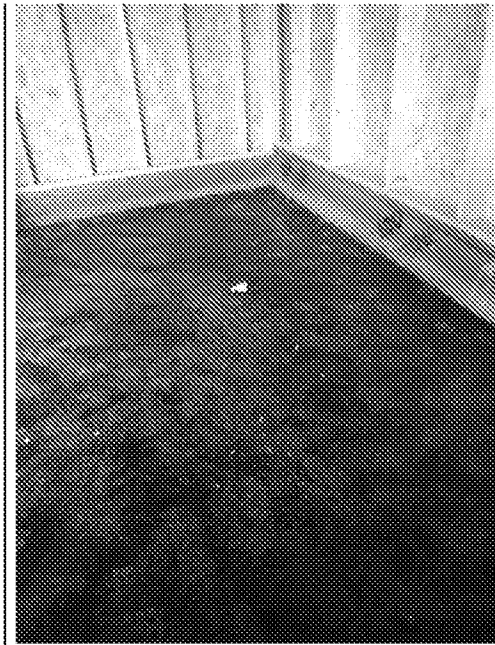
1.1 Condition of sub-grade and underside of membrane	Membrane sealed unable to inspect
1.2 Gas membrane type	Juta gas resistant membrane- black
1.3 Gas membrane condition	Membrane is in good condition with some dust and evidence of footfall
Jointing tape product	Double sided tape on service seals all other joins heat sealed
1.5 Lapping design	150mm lap
1.6 Laps, welds and joints seals	Heat sealed and well sealed
1.7 Service seals	Site made taped seals on all services

4. PHOTOGRAPHS

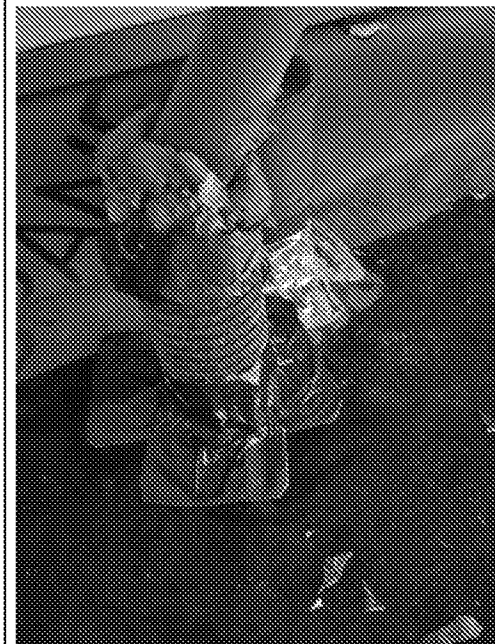
Photographs

(9 records)

Photograph	Photograph Title



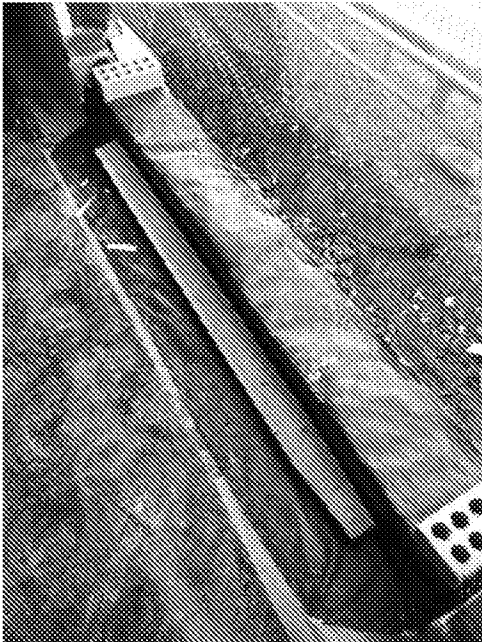
Plot 6



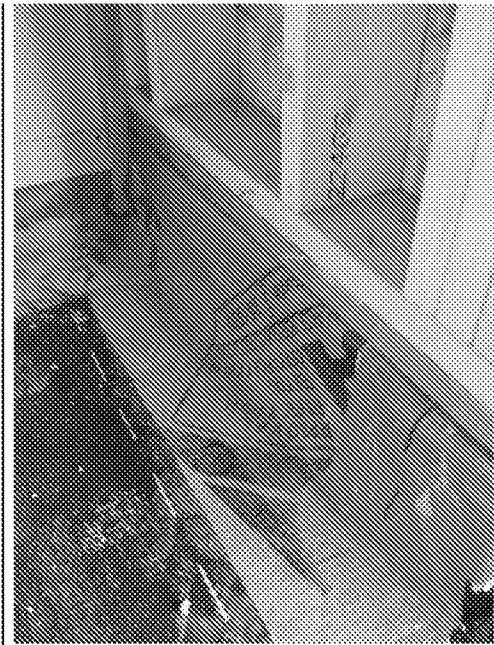
Plot 6 services



Plot 6 repair



Plot 6 threshold



Plot 6 timber frame



Plot 7



Plot 7 joins



Plot 7 timber frame



Plot 7 threshold

5. PASS/FAIL

The gas protection measures inspected: Are acceptable & comply with the specification

Details of issues

Approved by

 Fiona Goode

Date 13/08/2020

Project Name	Cornfield Close
Project No.	GE18103
Client	Thakeham Homes
Geo-Environmental Project Manager's Email	[REDACTED]
Date	25/08/2020, 14:09
Site Engineer	[REDACTED]
 Fiona Goode	[REDACTED]
Weather at time of inspection	Windy, warm, overcast
Gas Characteristic Situation	Characteristic Situation 2
Type of development and building/block checked	Terraced house
Plot No.	perimeter
Foundation Type	Suspended
Gas Protection Type	Passive
What is being inspected	☐ Venting ☒ Membrane ☐ Venting and Membrane

1. MEMBRANE

1.1 Condition of sub-grade and underside of membrane	Unable to inspect in plots 8-11 as sealed
1.2 Gas membrane type	Juta GP1 gas resistant membrane (black)
1.3 Gas membrane condition	Generally good condition, some signs of foot traffic
Jointing tape product	Heat sealed joints, double sided tape used on service seals and patch repairs
1.5 Lapping design	At least 150mm
1.6 Laps, welds and joints seals	All well sealed
1.7 Service seals	Site made seals, all services well sealed

4. PHOTOGRAPHS

Photographs

(27 records)

Photograph	Photograph Title



Plot 8 overview



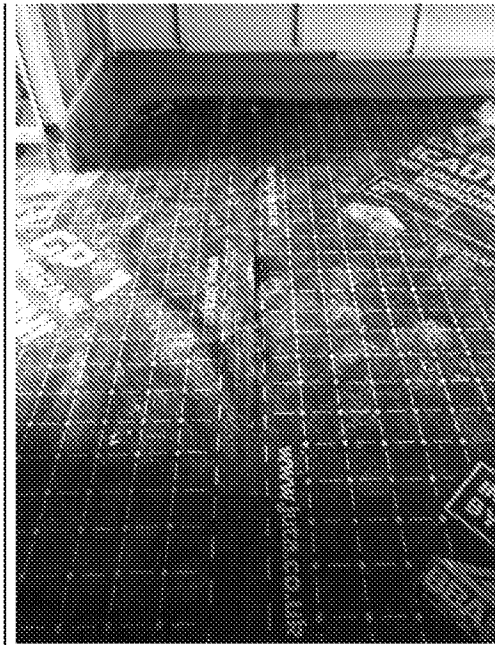
Plot 8 under stairs



Plot 8 patch repair



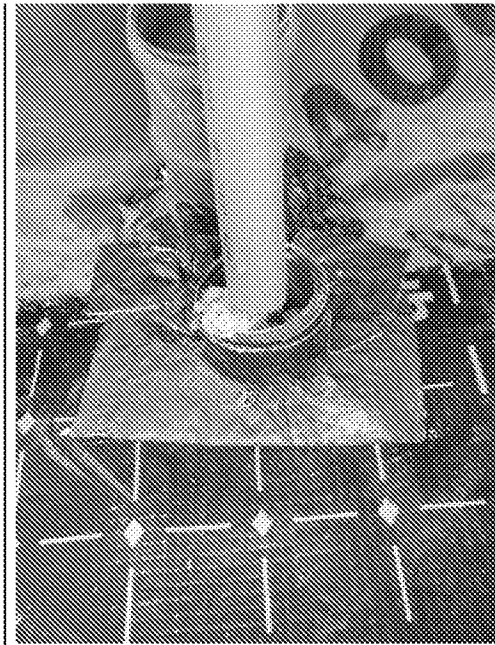
Membrane type



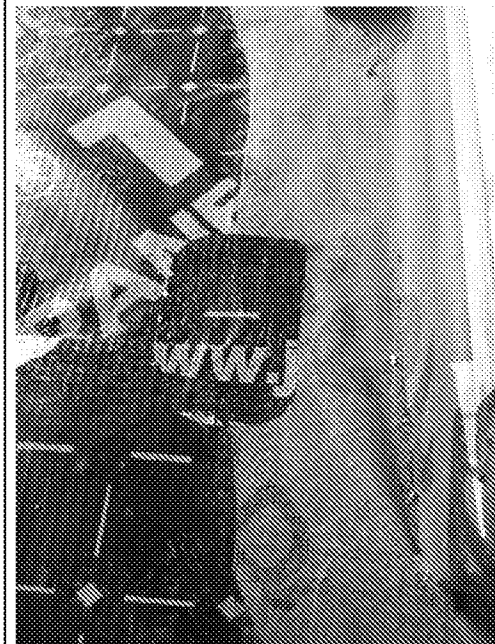
Plot 8 join



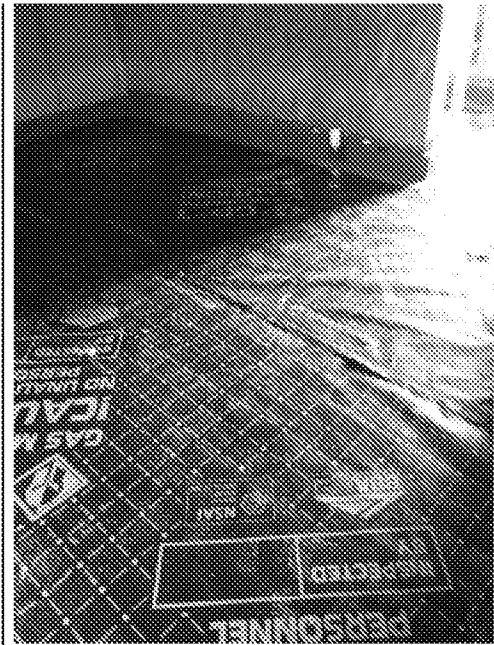
Plot 9 overview



Plot 9 service seal



Plot 9 patch repair



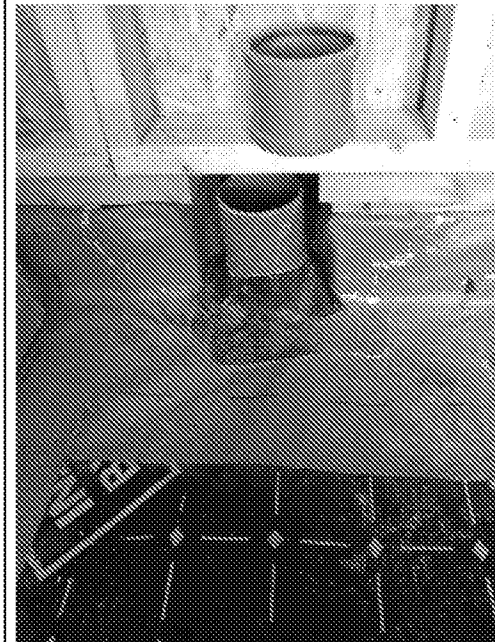
Plot 9 floor



Plot 10 overview



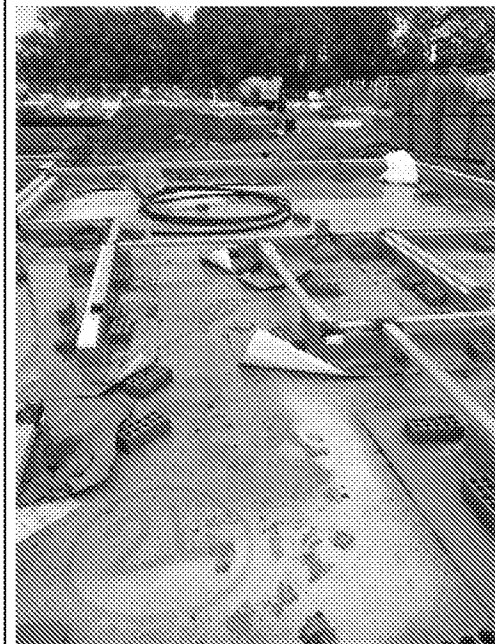
Pot 10 membrane joins



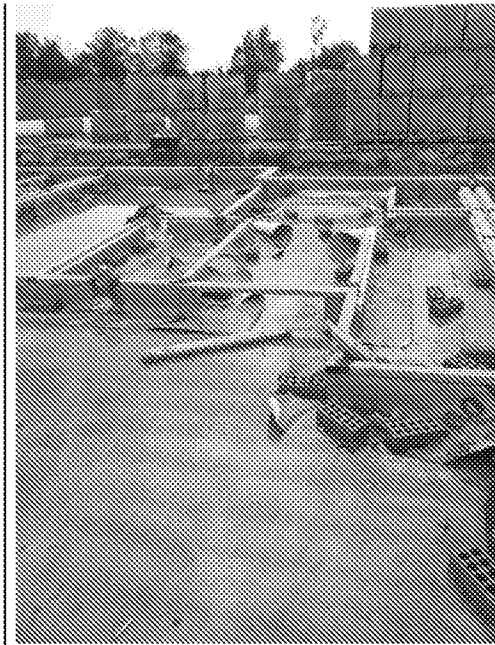
Plot 10 services



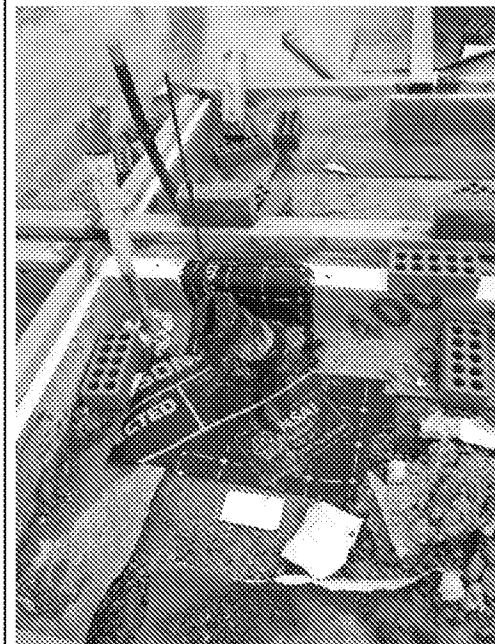
Plot 10 under stairs



Plot 24 reinspection



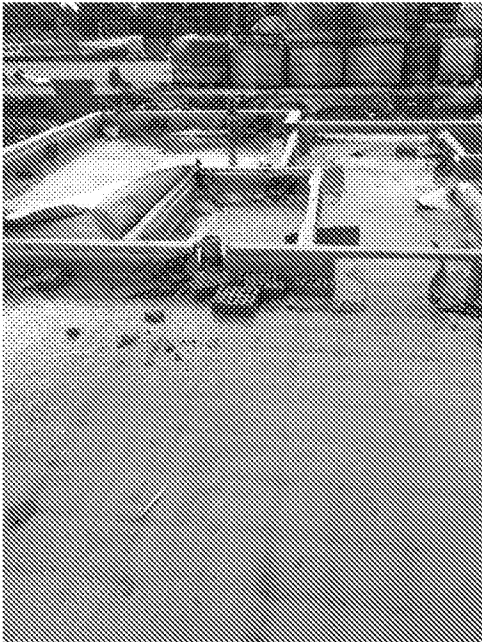
Plot 25 reinspection



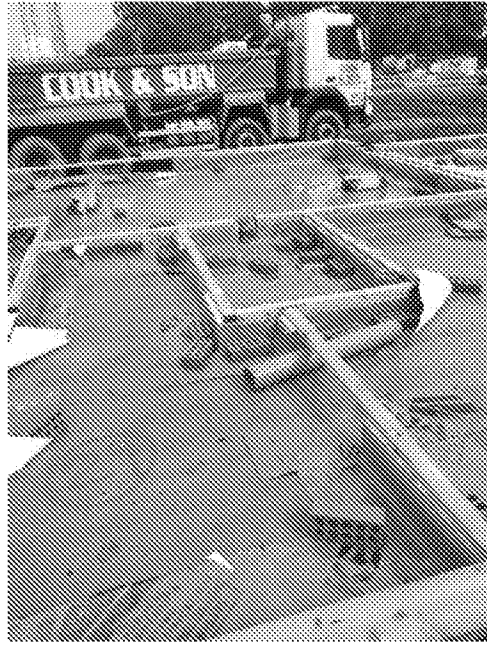
Plot 26 service



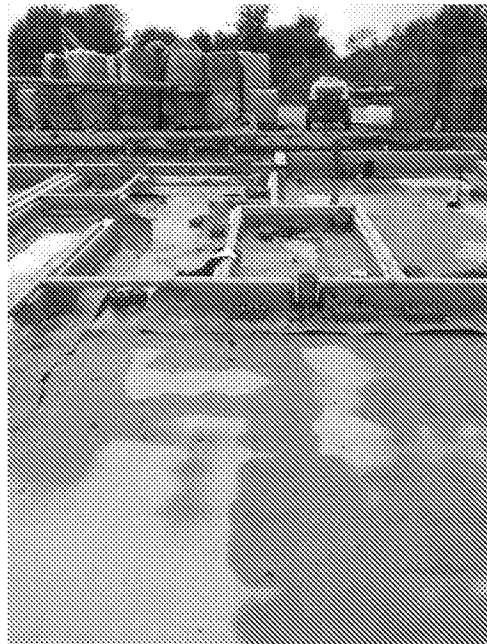
Plot 27



Plot 28



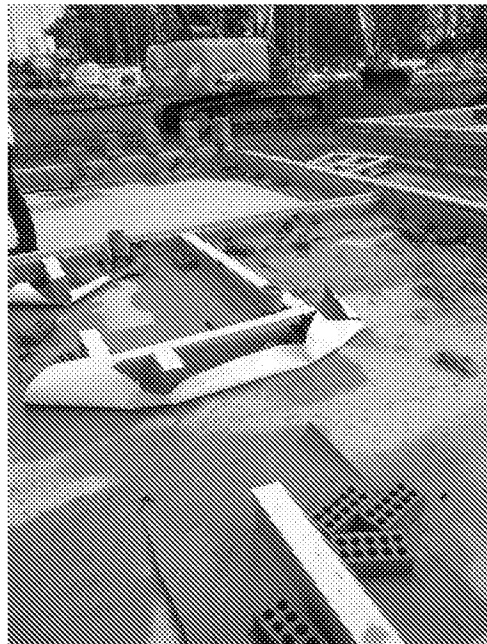
Plot 29



Plot 30



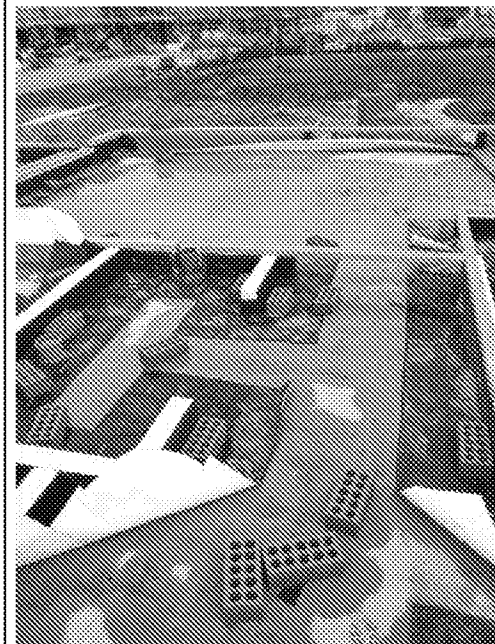
Plot 31



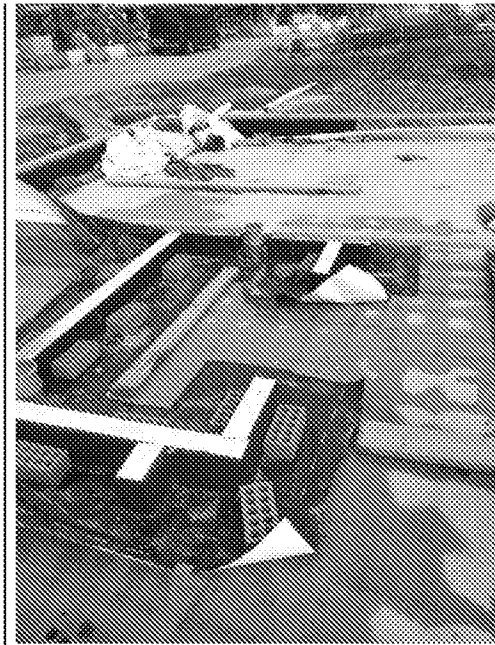
Plot 32



Plot 33



Plot 34



Plot 35



Plot 11 in progress



Plot 11 in progress

5. PASS/FAIL

The gas protection measures inspected: Are acceptable & comply with the specification

Details of issues

Approved by

 Fiona Goode

Date 25/08/2020

Project Name	Cornfield Close
Project No.	GE18103
Client	Thakeham Homes
Geo-Environmental Project Manager's Email	[REDACTED]
Date	10/09/2020, 12:23
Site Engineer	[REDACTED]
 Katie O'Dea	[REDACTED]
Weather at time of inspection	Warm, sunny, dry
Gas Characteristic Situation	Characteristic Situation 2
Type of development and building/block checked	Residential - terraced houses
Plot No.	Plots 12-13 complete, Plots 14-15 in progress, Plots 20-21 (Phase 4) perimeter
Foundation Type	Suspended
Gas Protection Type	Passive
What is being inspected	☐ Venting ☒ Membrane ☐ Venting and Membrane

1. MEMBRANE

1.1 Condition of sub-grade and underside of membrane	Good condition where visible. Membrane sealed in Plots 12-13.
1.2 Gas membrane type	Red Keytec gas membrane and black gas membrane.
1.3 Gas membrane condition	Good condition. Any holes or tears had been patched.
Jointing tape product	Heat welded joints.
1.5 Lapping design	Min 150mm overlap
1.6 Laps, welds and joints seals	Welded joints in good condition and well sealed.
1.7 Service seals	Service seals using membrane and tape. All well sealed and in good condition.

4. PHOTOGRAPHS

Photographs

(26 records)

Photograph	Photograph Title



Plot 12 - View across floor



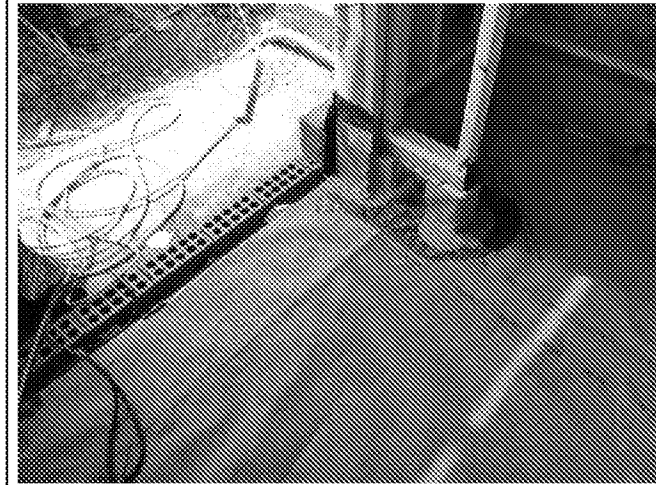
Plot 12 - service seal



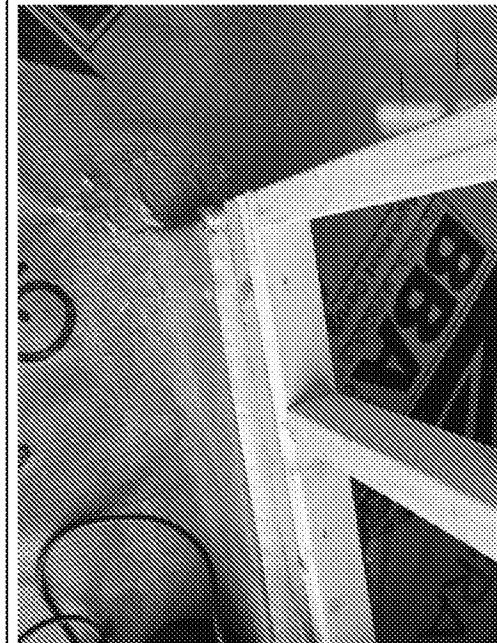
Plot 12 - Holes have been patched



Plot 12 - Threshold



Plot 13 - Threshold



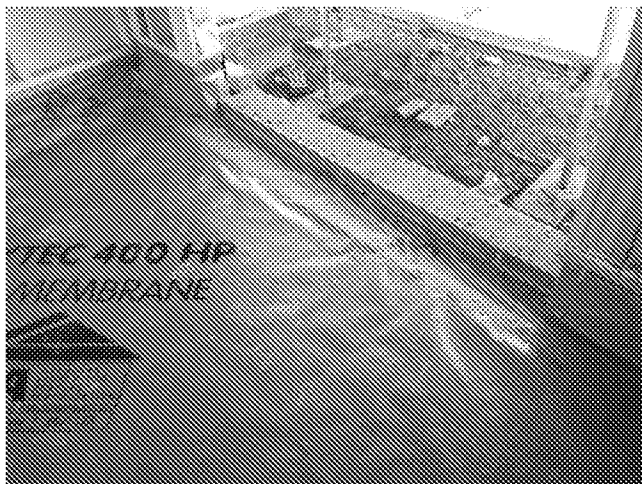
Plot 13 - Corner detail



Plot 13 - Floor



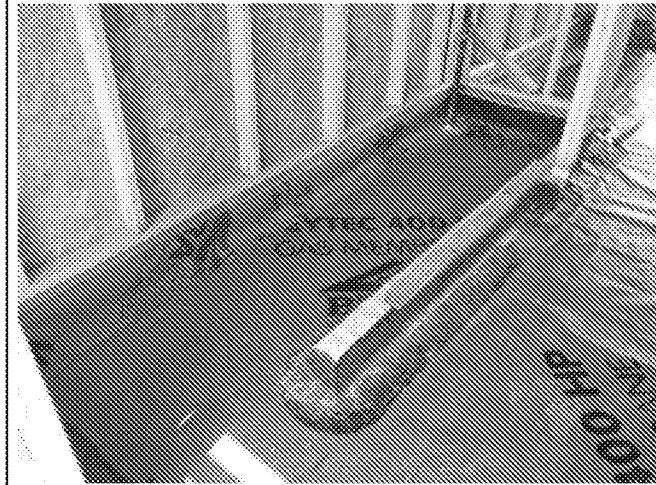
Plot 13 - Floor and service seal



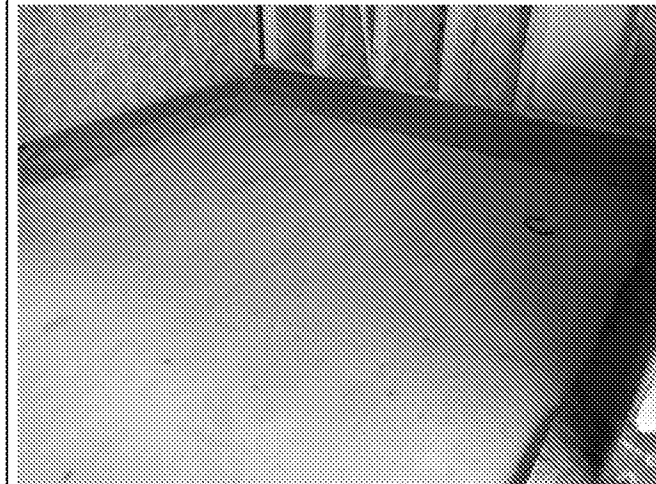
Plot 13 - Threshold



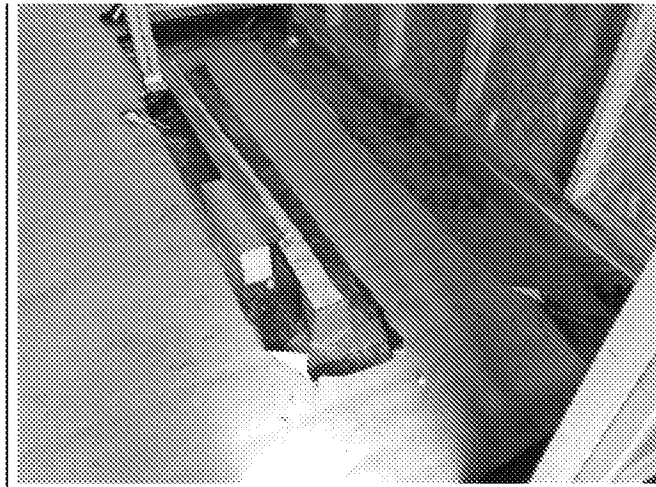
Plot 13 - Patching



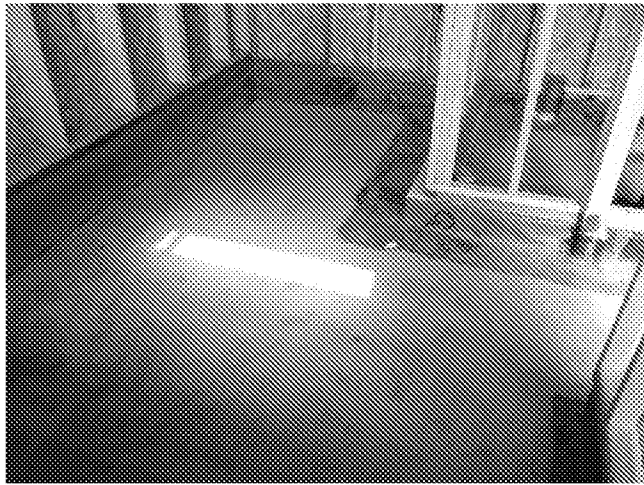
Plot 13 - Under stairs



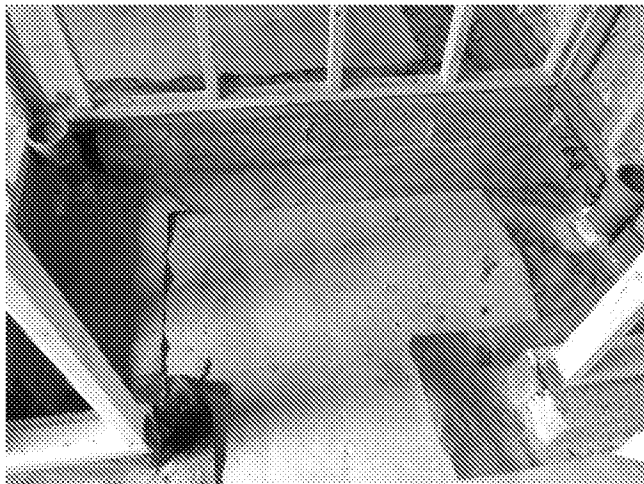
Plot 15 - In progress



Plot 15 - Under stairs



Plot 15 - Floor swept and in good condition



Plot 15 - Services sealed



Plot 15 - Services sealed



Plot 14 in progress



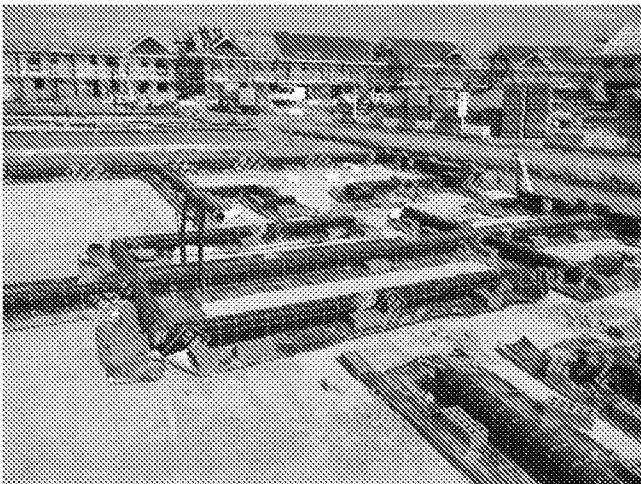
Plot 14 in progress



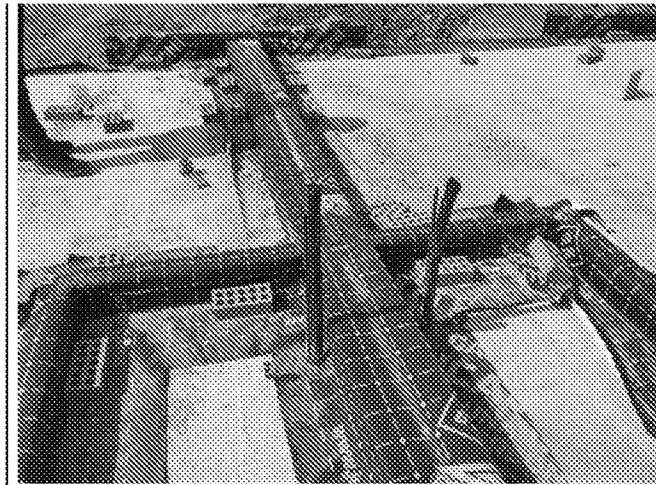
Plot 14 in progress



Plot 14 in progress



Plot 20-21(Phase 4) - View across plots



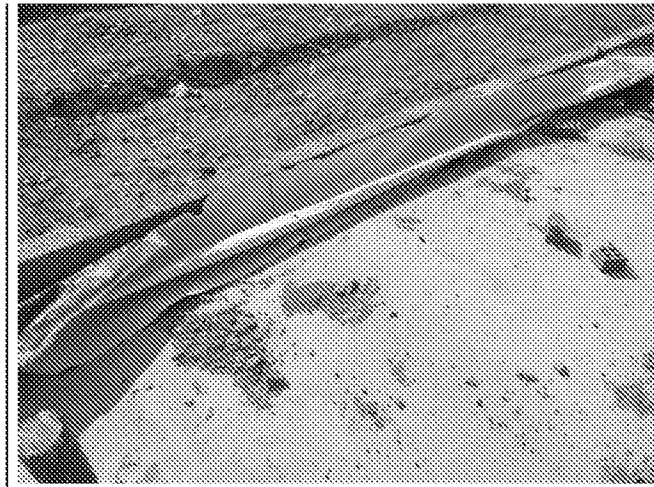
Plot 20-21(Phase 4)



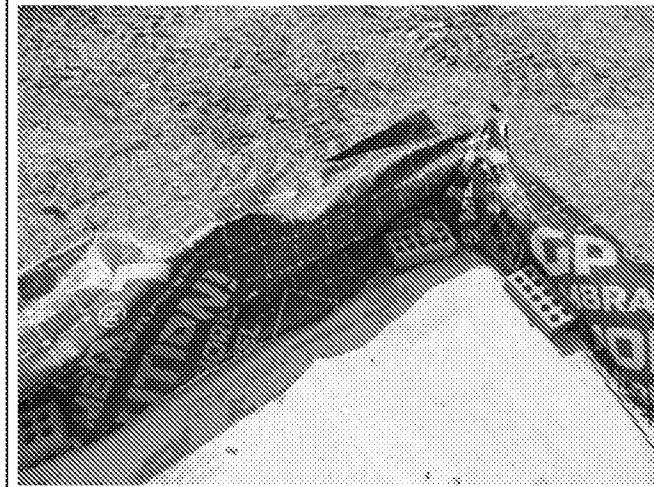
Plot 20-21(Phase 4)



Plot 20-21(Phase 4) - walls and doorway



Plot 20-21(Phase 4) - Wind damage



Plot 20-21(Phase 4) - Damaged membrane will be replaced before bitumen tape placement

5. PASS/FAIL

The gas protection measures inspected:

Are acceptable & comply with the specification

Details of issues

Approved by

 Fiona Goode

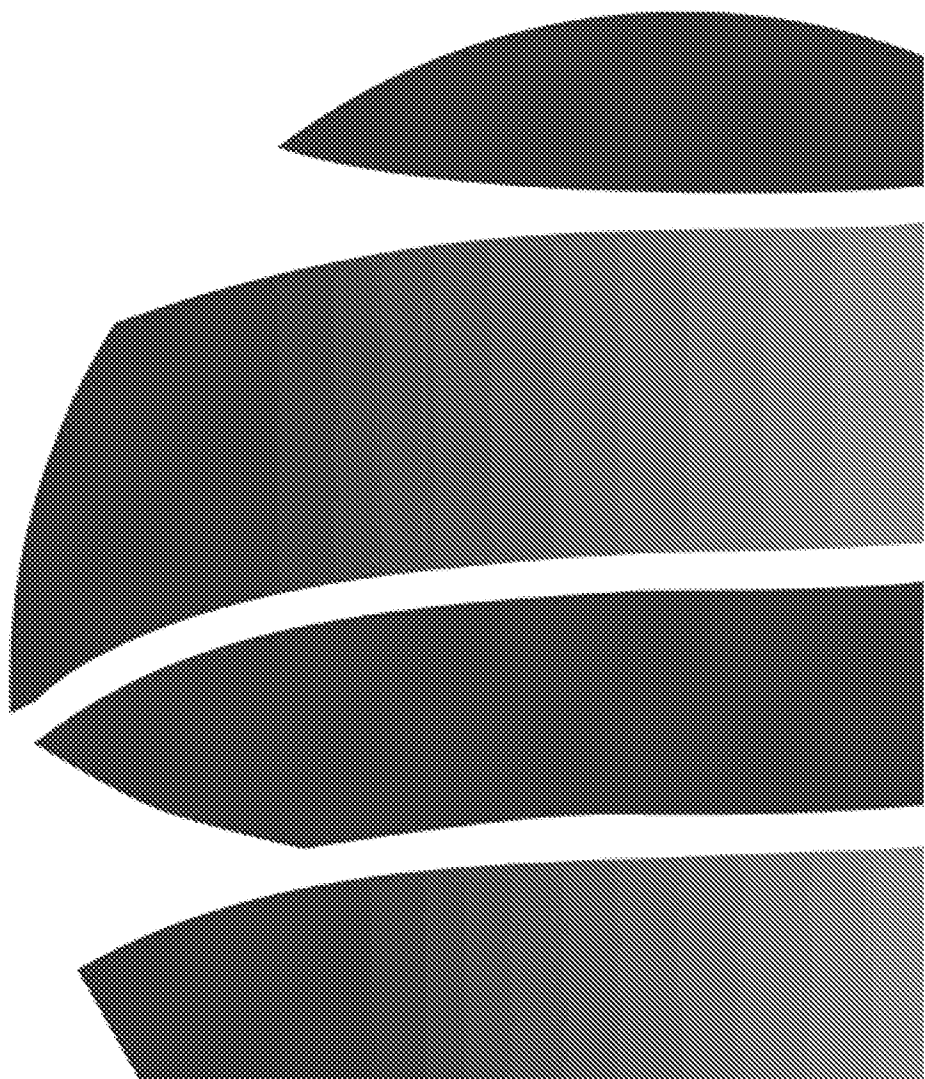
Date

10/09/2020



APPENDIX C

Photographs of Gas Membrane Installation works (Provided by Client)



Plot 11



Plate 1 - Infills Plot 11



Plate 2 – Infills Plot 11